

OPPONENT Start from 1 + 1,5 + 3 + (n 1 and add/subtract						156	Vik	tor Countos
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISC	CUSSION WITH REPO	RTER	9.00	ANS WERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS concise and correct or no
1 — unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	questions asked
+ short, apt and clear, well	some main points	too few/many	some	reasonable		too few/many	some	some aspects fine	- 13
prioritised, all time used	2 main points	partially relevant	some correct	fair	7	partially relevant	some correct	good	some incorrect, inconclusive or too long
prioritised, all time asca	all relevant points	mostly relevant	many correct	efficient	Ĩ.	🙀 mostly relevant	many correct	some aspects efficient	- 9
NOTES:	4 practically all points	+ well prioritised	y+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

all time used

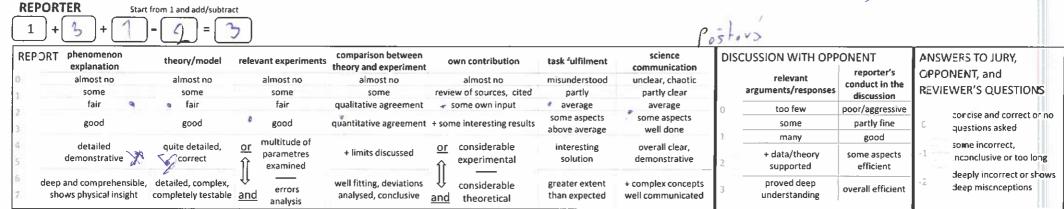
suggestions

REVIEWER Start from 1 and add/s	uptract	= 6					Post	-0VƏ		Somi	. cl	Sandor
QUESTIONS ASKED	REVIEW OF REPORT		REVI	EW OF OPPOSIT	ΓΙΟΝ	DIS	CUSSION ANA	LYSIS	MISS	ED POINTS		VERS TO JURY
tco few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	ITED OUT	QUE	STIONS concise and correct or no
relevant, meant to clarify unclear points	n poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	=1	irrelevant		questions asked
+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	_	superficial	partially relevant/correct		superficial	some		none		some incorrect,
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	I I	relevant parts	many	0	. 6	-4	inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	-2	deeply incorrect or shows deep misconceptions

NOTES:

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Matej Novoto



NOTES:

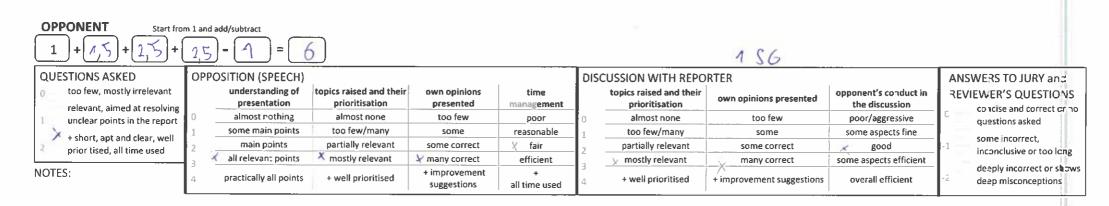
OPPONENT Start from 1 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 + 1 5 4 1 5 4 1 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	m 1 and add/subtract						6JH		
QUESTIONS ASKED	OPPOSITION (SPEECH)				DIS	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	questions asked
21/1	some main points	too few/many	some	reasonable		too few/many	some	some aspects fine	
+ short, apt and clear, well prior tised, all time used	2 main points	partially relevant	some correct	fair	,	partially relevant	ome correct	good	some incorrect, inconclusive or too long
prior tised, all time used	all relevant points	most y relevant	many correct	efficient	14	mostly relevant	many correct	some aspects efficient	Hi
NOTES:	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

REV	/IEWER Start from 1 and add/s	subtract												
1	1 + 2 + 2 + 1,5 + 1,5 ± - = 8													
QUE	ESTIONS ASKED	REVIEW OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS:	SED POINTS	ANSWERS TO JURY		
0	too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POI	NTED OUT	QUESTIONS concise and correct or no		
g .	+ suitably allotted to Rep & Opp,	poor/wrong	irrelevant	0	poor/wrong	irrelevant	G.	poor	irrelevant	- 1.	irre evant	questions asked		
14	most time used	superficial	partially relevant/correct		superficial	partially relevant/correct].	superficial	some	n	none	some incorrect,		
3	+ short, apt and clear, well prioritised.	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	ı.	relevant parts	many			inconclusive or too long		
	time managed efficiently	3 apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions		



REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP	ONENT reporter's	ANSWERS TO JURY,
,	almost no some	almost no x some	almost no some	almost no some	almost no review of sources, cited	misunderstood partly	unclear, chaotic very partly clear	relevant arguments/responses	conduct in the	GPPONENT, and REVIEWER'S QUESTIONS
*	fair	fair	fair	qualitative agreement	x some own input	★ average	average	0 too few	poor/aggressive	
100	good	good	× good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	× partly fine	concise and correct or n questions asked
- X	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	good some aspects efficient	some incorrect, inconclusive or too long
	•	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	deeply incorrect or show deep miscoceptions

NOTES:



RE\	/IEWER Start from 1 and add/s	ubtract											
1	+2+2+15+	1,0	<u> </u>	= 9					BAM	ıχ		Mziho	Loval
QUI	STIONS ASKED	REV	EW OF REPORT		REV	IEW OF OPPOSIT	TION	DIS	CUSSION ANA	ALYSIS	Miss	SED POINTS	ANSWERS TO JURY
0	too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation	ľ	speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	TED OUT	QUESTIONS concise and correct or no
4	+ suitably allotted to Rep & Opp.	0 -	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	-1	irre evant	questions asked
A-2	most time used	1	superficial	partially relevant/correct	J	superficial	partially relevant/correct	١.	superficial	some	n	none	some incorrect,
4	+ short, apt and clear, well prioritised.	2 :	good	mostly correct/prioritised	1	. good	mostly correct/prioritised	l.	relevant parts	many	U	1	inconclusive or too long
×	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2.	accurate, convinicing	fully adequate	ì	relevant, constructive	deeply incorrect or shows deep misconceptions

REPORTER Start from 1 and add/subtract Motey Novota

TACABA	phenomenon explanation	theory/model	relev	ant experiments	comparison between theory and experiment	o	wn contribution	task fulfilment	science communication
	almost no	almost no		almost no	almost no		almost no	misunderstood	unclear, chaotic
	some	some		some	some	revie	ew of sources, cited	partly	partly clear
	fair	fair		fair	qualitative agreement		some own input	average	average
	good	good	0	good	qantitative agreement	+Son	ne interesting results	some aspects above average	some aspects well done
-	detailed demonstrative	quite detailed, correct	<u>or</u> 11	multitude of parametres examined	+ limits discussed	<u>or</u> 介	considerable experimental	interesting solution	overall clear, demonstrative
	and comprehensible, ows physical insight	detailed, complex, completely testable	and 1	errors analysis	well fitting, deviations analysed, conclusive	↓ <u>and</u>	considerable theoretical	greater extent than expected	a+ complex concept well communicated

CUSSION WITH OPP	ONENT
relevant arguments/responses	reporter's conduct in the discussion
too few	poor/aggressive
some	part'y fine
many	good
+ data/theory supported	some aspects × efficient
proved deep understanding	overall efficient
	relevant arguments/responses too few some many + data/theory supported proved deep

	PONENT, and TEWER'S QUESTIONS
۵	concise and correct at no questions asked
	some incorrect, inconclusive or too long
-2	deeply incorrect or shows deep miscoceptions

NOTES:

OPPONENT Start from 1 + 1 + 1 + 1 + 1 + 1	n 1 and add/subtract	2					Ba - M	1× Kalar	ire sersovs
QUESTIONS ASKED	OPPOSITION (SPEECH)				DIS	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their pricritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEW ER'S QUESTIONS
1 — unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	cuestions asked
* short, apt and clear, well	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	
prioritised, all time used	2 main points	partially relevant	some correct	fair	2	partially relevant	some correct	good	same incorrect,
prioritised, art time asea	3 × all relevant points	mostly relevant	many correct	efficient	2	mostly relevant	✓ many correct	∖sóme aspects efficient	
NOTES:	4 practically all points	+ wel prioritised	+ improvement suggestions	+ <all td="" time="" used<=""><td>4</td><td>+ well prioritised</td><td>+ improvement suggestions</td><td>overall efficient</td><td>deeply incorrect or shows deep misconceptions</td></all>	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

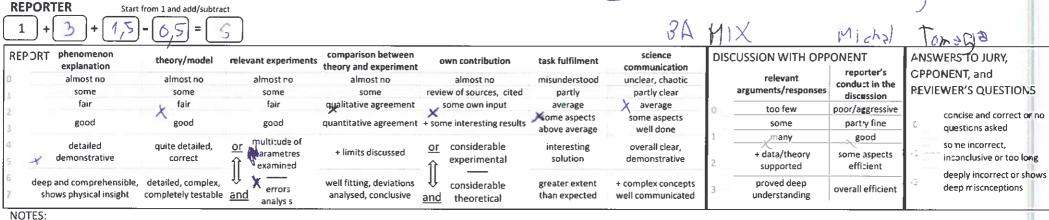
REV	Start from 1 and add/s	subtract ±	- = Z					Pos	tova				
QUE	STIONS ASKED	REVIEW OF REPO	RT	REV	/IEW OF OPPOSIT	TON	DI:	SCUSSION AN	ALYSIS	MISS	ED POINTS	ANSV	WERS TO JURY
0)	too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation 8 understandin			speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	ITED OUT	C,UES	STICNS concise and correct of no
(0)	+ suitably allotted to Rep & Opp,	poor/wrong		0	poor/wrong	irrelevant	0	poor	irrelevant	1	irre evant		questions asked
	most time used	1 superficial	partially relevant/correct	Į.	superficial	partially relevant/correct	1	superficial	some	0	nore	4	same incorrect,
55	+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	ľ	good	mostly correct/prioritised		relevant parts	many		relevant.		nconclusive or too long
200	time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	constructive	-2	deeply incorrect or shows deep misconceptions

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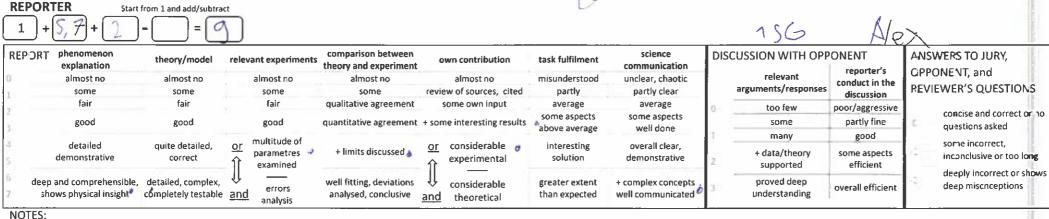


OPPONENT Start from 1 + 1 + 1 + 1 + 1	n 1 and add/subtract					p	ostova	Lutos	Botocko
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISC	USSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 y unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	questions asked
+ short, apt and clear, well	1 some man points	too few/many	some	≭ reasonable	1	too few/many	some	some aspects fine	some incorrect,
prioritised, all time used	2 × main points	partially relevant	some correct	fair	. 2	partially relevant	some correct	good	incone usive or too lang
promoco, on time osco	all relevant points	mostly relevant	many correct	efficient		most y relevant	many correct	some aspects efficient	
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/ 1 + 1,5 + 2 + 1,3 +	subtract	±	= 7				15	:6	/	Á/e	2X	
QUESTIONS ASKED	REV	IEW OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS:	SED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	GUESTICNS concise and correct of no
+ suitably allotted to Rep & Opp,	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	U	poor	irrelevant	-1	irre evant	questions asked
most time used	1 .	superficial	partially relevant/correct		superficial	partially relevant/correct		superficial	some	_	none	some incorrect,
+ short, apt and clear, well prioritised,	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	L.	relevant parts	many	U		nconclusive or too long
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	Park.	relevant, constructive	deeply incorrect or shows deep misconceptions

(6)

Mate Posut



OPPON	ENT Start from	1 and add			-				Postova	, Sam 2	>	
QUESTIO	NS ASKED	OPPOS	ITION (SPEECH)				DISC	CUSSION WITH REPO	RTER		ANS	WERS TO JURY and
× .	few, mostly irrelevant vant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REV	IEWER'S QUESTIONS
	ear points in the report	0	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	C 33	questions asked
2		1	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine		some incorrect,
196	ort, apt and clear, well ritised, all time used	2	main points	partially relevant	some correct	fair	,	partially relevant	some correct	good	-1	incone usive or too long
рю	ittised, all time used	3	all relevant points	mostly relevant	many correct	efficient	5	mostly relevant	many correct	some aspects efficient	_	116
NOTES:		4 P	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	-5	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/s	subtract ± -	= 6						GTH		Filip	
QUESTIONS ASKED	REVIEW OF REPORT	•	REV	IEW OF OPPOSI	TION	DIS	CUSSION AN	ALYSIS	MIS:	SED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	CUESTIONS concise and correct or no
	pocr/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	rrelevant	-1	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	superficia	partially relevant/correct		superficial	partially relevant/correct	١.	superficial	some	n	none	seme incorrect,
+ short, apt and clear, well prioritised,	good	mostly correct/prioritised	ĭ	good	anostly correct/prioritised	Ţ	re evant parts	many	ľ		nconclusive or too long
time managed efficiently	apt, accurat≘	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions



TRC	phenomenon explanation		theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	CUSSION WITH OPP	7	ANSWERS TO JURY,
	almost no some		almost no some	almost no some	almost no some	almost no review of sources, cited	misunderstood partly	unclear, chaotic partly clear		relevant arguments/responses	reporter's conduct in the discussion	OPPONENT, and REVIEWER'S QUESTION
	fair good	X	fair good	fair good	qualitative agreement	some own input + some interesting results	average some aspects above average	average some aspects well done	0	too few some	poor/aggressive partly fine	concise and correct cuestions asked
	detailed demonstrative		quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	many + data/theory supported	good some aspects efficient	same incorrect, inconclusive or too
,	and comprehensi ws physical insigh		detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or deep miscoception

OPPONENT Start from 1 and add/subtract 11-20 1 proved waters finding, hil too under fine spent on hopo linguis **OPPOSITION (SPEECH) QUESTIONS ASKED DISCUSSION WITH REPORTER** ANSWERS TO JURY and understanding of topics raised and their opponent's conduct in too few, mostly irrelevant own opinions time topics raised and their REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few poor almost none too few poor/aggressive unclear points in the report questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant good some correct prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant 4 many correct 👩 some aspects efficient deeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient ceep misconception to Cal suggestions all time used 1 edey auticut haved the much broke 7. Cels period decreuses - which dolyan 3. Cerre le weeken beteren 2 magnety 4. Were damping rappear in few feregy @ bredy **REVIEWER** QUESTIONS ASKED REVIEW OF REPORT **REVIEW OF OPPOSITION DISCUSSION ANALYSIS** MISSED POINTS **ANSWERS TO JURY** discussion evaluation & pros & cons correct own POINTED OUT **CUESTIONS** too few, mostly irrelevant speech pros & cons understanding prioritisation evaluation opinions evaluation

poor/wrong

superficial

good

apt & accurate

NOTES: is period constant, not, of course

relevant, meant to clarify unclear points

+ short, apt and clear, well prioritised,

Central - expen les von

+ suitably allotted to Rep & Opp,

time managed efficiently

most time used

Okuler Ligh

irrelevant

partially relevant/correct

mostly correct/prioritised

fully adequate,

well prioritised

poor/wrong

superficia

good

apt, accurate

I

prioritisation

irrelevant

partially relevant/correct

mostly correct/prioritised

fully adequate,

well prioritised

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concise and correct or no

inconclusive or too long

deep misconceptions

deeply incorrect or shows

guestions asked

some incorrect,

irrelevant

relevant.

constructive

none

irrelevant

some

many

fully

adequate

poor

relevant parts

accurate,

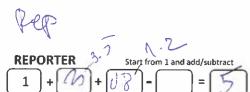
convinicing

superficial

- extend theory to higher auplitude REPORT phenomenon comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY, theory/model relevant experiments own contribution task fulfilment theory and experiment explanation communication reporter's OPPONENT, and relevant almost no almost no almost no almost no almost no misunderstood unclear, chaotic conduct in the arguments/responses REVIEWER'S QUESTIONS some some some review of sources, cited partly partly clear some discussion fair fair fair qualitative agreement some own input average average too few poor/aggressive concise and correct or no some aspects some aspects good good good quantitative agreement + some interesting results some partly fine questions asked above average well done many good multitude of some incorrect, overall clear, deta led quite detailed, considerable <u>or</u> interesting + limits discussed parametres + data/theory some aspects inconclusive or too long demonstrative correct experimental solution 🐰 demonstrative examined 🔥 supported eff cient deeply incorrect or shows deep and comprehensible, detailed, complex, well fitting, deviations proved deep considerable greater extent + complex concepts overall efficient deep miscnceptions errors shows physical insight completely testable and understanding analysed, conclusive than expected well communicated <u>and</u> theoretical analys s NOTES: **OPPONENT** Start from 1 and add/subtract Suin QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in REVIEWER'S QUESTIONS own opinions presented prioritisation presentation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor/aggressive poor unclear points in the report **guestions** asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant some correct prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient & mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES:- Mr When re + improvement practically all points + well prioritised overall efficient well prioritised + improvement suggestions - measure of tun deep misconceptions suggestions all time used - eg. Levisa you parameters are most my was a day ing Fluvery is our vosistance in to **REVIEWER** Start from 1 and AdWsubtract **QUESTIONS ASKED** REVIEW OF REPORT **REVIEW OF OPPOSITION** ANSWERS TO JURY DISCUSSION ANALYSIS MISSED POINTS evaluation & discussion correct own too few, mostly irrelevant pros & cons speech POINTED OUT QUESTIONS pros & cons understanding prioritisation evaluation opinions evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant poor/wrong irrelevant poor irrelevant questions asked poor/wrong irrelevant + suitably allotted to Rep & Opp, superficial partially relevant/correct superficial some superficial partially relevant/correct none most time used some incorrect. relevant parts many inconclusive or too long good mostly correct/prioritised good mostly correct/prioritised + short, apt and clear, well prioritised relevant, accurate, fully time managed efficiently fully adequate. fully adequate. deaply incorrect or shows constructive apt, accurate apt & accurate convinicing adequate well prioritised well prioritised deep misconceptions IYPT - November 2022 5105 roule

Lou copparation

Please, suitably adjust your grades taking into regard the [1,10] range



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REPOR 1 +	(10) (15)	from 1 and add/subtra								V C	3.001 9 (482)
REPORT	phenomenon explanation	theory/model	relevant experi	ments comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	JSSION WITH OPF	I .	ANSWERS TO JURY,
0	almost no	almost no	almost no		almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
1	some	some	some	some	review of sources, cited	partly	partly clear		arguments/responses	discussion	REVIEWER'S QUESTIONS
	fair	fair	fair	qualitative agreement	some own input	average	average	0:	too few	poor/aggressive	
3==	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct of no questions asked
-	distilled 5.7		multitude	of 🎨	de	-	a	1 -	many	good	> some incorrect,
5	detailed X demonstrative	quite detailed, y correct	parametr examine	es + limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	irconclusive or too long
	o and comprehensible, lows physical insight	detailed, complex, completely testable		analysed concllisive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3 =	proved deep understanding	overall efficient	deeply incorrect or shows deep miscoceptions
NOTES:								-			

OPPONENT Start from	V. V	dd/subtract			30>					
QUESTIONS ASKED	ОРРО	SITION (SPEECH)				DISC	USSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	_	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 V unclear points in the report	0	almost nothing	almost none	too few	роог	0	almost none	too few	poor/aggressive	guestions asked
+ short, apt and clear, well	1 == 1	some main points 🥎	too few/many	some	reasonable 🍃	1	too few/many	some	some aspects fine	
prioritised, all time used	2 _	main points	partially relevant	some correct	fair	2	partially relevant	some correct	good	same incorrect,
prioritised, an time asea	3 _	all relevant points	mostly relevant	many correct	efficient		mostly relevant	many correct	some aspects efficient	36
NOTES: - raily green lice	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows
(3		rock line ex				4	uly other ce	olors -		
) WYC	for expenia	Chai		(D 16	uly other ce	st-		

They other colors

REVIEWER	Start from 1 and add/subtract	
1 + (1-1/2)+	2+15+1==================================	7

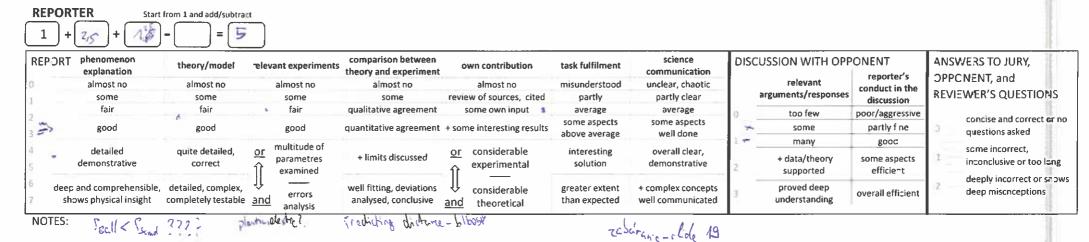
QUI	ESTIONS ASKED	REVI	TACGER TO WE		REVI	EW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	∧NSV	VERS TO JURY
O	too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation	ı	speech	pros & cons		discussion evaluation	correct own opinions	POII	NTED OUT	QUES	TIONS
	relevant, meant to clarify unclear points	_				evaluation	prioritisation	Δ.			١,	irrelevant	i.	concise and correct or no
101	+ suitably allotted to Rep & Opp,	_	poor/wrong	irrelevant	0	poor/wrong	irrelevant	[·	poor	irrelevant	- 1			questions asked
1	most time used	1 _	superficial	partially relevant/correct]	superficial	partially relevant/correct	,	superficial	some	n	none		some incorrect,
X	+ short, apt and clear, well prioritised.	2-	good	mostly correct/prioritised	أسد أ	good	mostly correct/prioritised	-	relevant parts	many	ľ	1	100	inconc usive or too long
100	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	-=	deeply incorrect or shows deep misconceptions

NOTES:

IYPT - Novembe 2022



Baranele

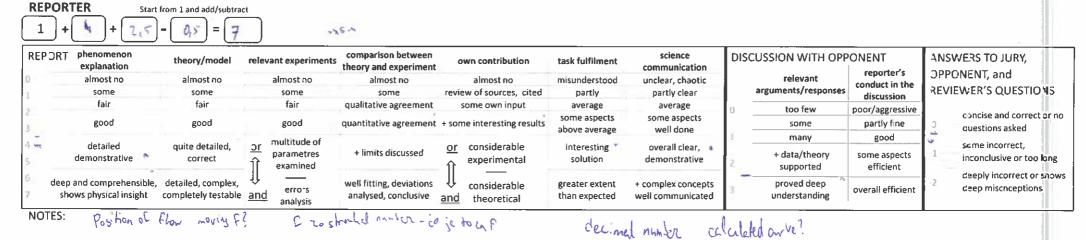


OPP 1	ONENT Start from	n 1 and a	add/subtract = 5					W 6 - 1 - 14			
QUES	STIONS ASKED	OPPO	OSITION (SPEECH)				DISC	USSION WITH REPO	RTER		ANSWERS TO JURY and
	too few, mostly irrelevant relevant, aimed at resolving		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
California,	unclear points in the report	0	almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	guestions asked
33.50	` '	1	some main points	too few/many	some	- reasonable	1 4	too few/many	some	 some aspects fine 	some incorrect,
-	+ short, apt and clear, well prioritised, all time used	2-	main points	partially relevant	some correct	fair	*	partially relevant	some correct	good	ir conclusive or too long
	prioritised, all time dised	3	all relevant points	mostly relevant	many correct	efficient	2	mostly relevant	many correct	some aspects efficient	
NOTES	5:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ weil prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

(REV 1	Start from 1 and add/s		±	= 2									
	QUE	STIONS ASKED	REVI	IEW OF REPORT		REVI	EW OF OPPOSIT	ION	DIS	CUSSION ANA	ALYSIS	MISS	SED POINTS	ANSWERS TO JURY
		too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	ITED OUT	QUESTIONS concise and correct conc
		, , ,	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	-1	irrelevant	questions asked
		+ suitably allotted to Rep & Opp, most time used	1	superficial	partially relevant/correct		superficial	partially relevant/correct],	superficial	some	n	none	same ncorrect,
,	Z	+ short, apt and clear, well prioritised.	2-	good	mostly correct/prioritised	1	good	mostly correct/prioritised	I	relevant parts	many			inconclusive or too lang
2)	5	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2 -	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or snows deep misconceptions

Baranek 3-2





OPPONENT Start from 1 + 1, + 2 +	n 1 and a	odd/subtract								THE PERSON NAMED IN COLUMN TWO PERSONS IN CO
QUESTIONS ASKED	OPPO	OSITION (SPEECH)				DISC	JSSION WITH REPO	RTER	-	ANSWERS TO JURY and
too few, mostly irrelevant		understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REV EWER'S QUESTIONS cancise and correct at no
unclear points in the report	0	almost nothing	a most none	too few	poor	0	almost none	too few	poor/aggressive	cuestions asked
+ short, apt and clear, well	1	some main points	too few/many	some	reasonable		too few/many	some	some aspects fine	
prioritised, all time used	2	main points	partially relevant	some correct	fair	(32)	partially relevant	some correct	good	some incorrect, inconclusive or too ong
prioritised, all time asea	3 7	all relevant points	mostly relevant	many correct	efficient	-	mostly relevant	many correct	some aspects efficient	11.1
NOTES:	4	practically all points	+ well prioritised	 improvement suggestions 	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

ILLY	IEVVEN Start from 1 and add/s	uptract											
1	+1,25 + 1 + 0,5 +	67	<u>+</u>	= 4									
QUE	STIONS ASKED	REVI	EW OF REPORT		REVIE	W OF OPPOSIT	ΓΙΟΝ	DIS	CUSSION AN	ALYSIS	MISS	SED POINTS	ANSWERS TO JURY
0	too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	QUESTIONS cancise and correct or no
14	+ suitably allotted to Rep & Opp,	0 _	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	-1	irrelevant	questions asked
	most time used	1-0-	superficial	partially relevant/correct_	4	superficial	partially relevant/correct		superficial	some	0	none	same incorrect,
10	+ short, apt and clear, well prioritised.	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	1	relevant parts	many	Ü		inconclusive or too larg
99	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	re evant, constructive	deeply incorrect or snows deep misconceptions

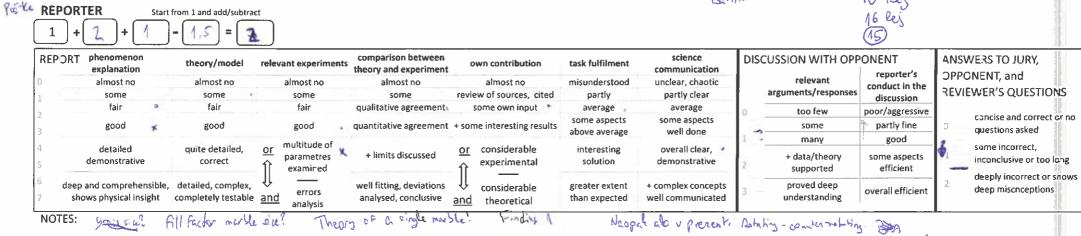
NOTES:

REVIEWER

Baranek 3-

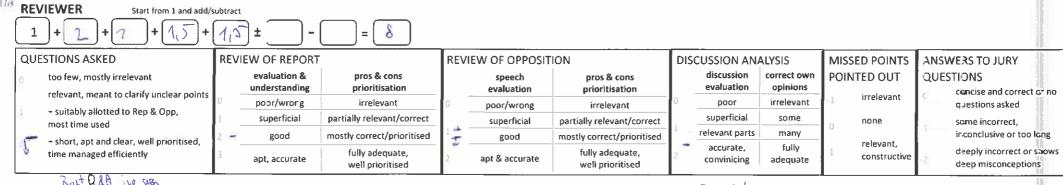
1 sg-caleva Poi Ke Renix 10

Pos Ka 10 Rej 16 lej



OPPONENT Start from 1 and add/subtract QUESTIONS ASKED OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in **REV EWER'S QUESTIONS** own opinions presented presentation prioritisation presented prioritisation the discussion management relevant, aimed at resolving concise and correct or no almost nothing almost none too few poor almost none too few poor/aggressive unclear points in the report cuestions asked too few/many some main points some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct partially relevant fair some correct good prioritised, all time used aconclusive or too lang all relevant points mostly relevant many correct * efficient mostly relevant some aspects efficient many correct deeply incorrect or shows NOTES: + improvement + well prioritised practically all points + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used

that makes cence-not-Parameter of anymbar frequency of plethidtal



GUESTON OF INDIA



REPORTER Start from 1 and add/subtract



Baranek 4-1

Postova



	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCU	SSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic 🐧		relevant	reporter's conduct in the	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear	a	rguments/responses	discussion	FEVIEWER'S QUESTIONS
	fair	fair	fair 🌁	qualitative agreement -	some own input	average	average	0 -	too few	poor/aggressive	
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct or questions asked
(detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	many + data/theory supported	good some aspects efficient	some incorrect, inconclusive or too lor
		detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or sh deep miscnceptions

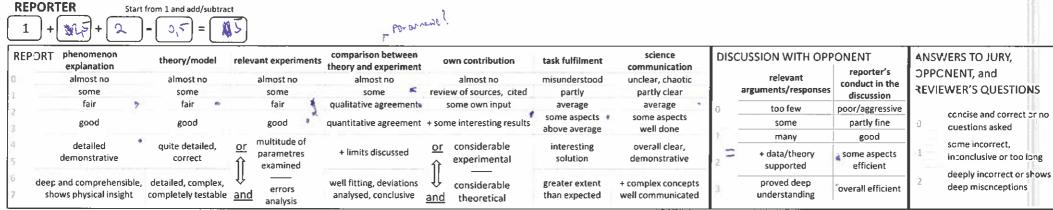
OPPONENT Start from 1 and add/subtract GJH 5 = | ANSWERS TO JURY and **QUESTIONS ASKED OPPOSITION (SPEECH) DISCUSSION WITH REPORTER** too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented prioritisation the discussion management relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor poor/aggressive questions asked 1 — unclear points in the report some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant some aspects efficient many correct deeply incorrect or shows NOTES: + improvement practically all points Green la only + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used

REVIEWER Start from 1 and add/	Subtract) ± (= 7									
QUESTIONS ASKED	REVIE	W OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MISS	SED POINTS	▲NSWEPS TO JURY
too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	QUESTIONS concise and correct or no
10 to 41 to 15	0 _	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	īrrelevant	-1	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	1 _	superficial	partially relevant/correct		superficial	partially relevant/correct	١.	superficial	some	0	none	some incorrect,
+ short, apt and clear, well prioritised,	2.4	good	mostly correct/prioritised	1."	good	mostly correct/prioritised	I.	relevant parts	many		i	inconclusive or too long
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions

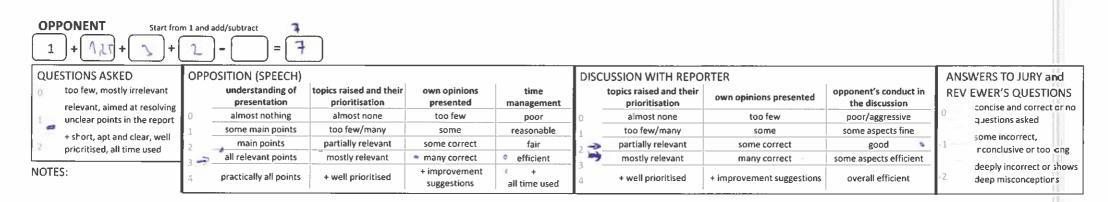








NOTES:



REVIEWER Start from 1 and add/	subtract											
1 + 1,25 + 1,75 + 1 +	0,5	±	= 5									Management of the state of the
QUESTIONS ASKED	REVI	EW OF REPORT		REV	EW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MISSI	ED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	TED OUT	QUESTIONS concise and correct or no
	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	роог	irrelevant	-1-	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	1	superficial	partially relevant/correct	- 5	superficial	partially relevant/correct	7	superficial	some	140	none	some incorrect,
+ short, apt and clear, well prioritised,	2	good	mostly correct/prioritised	1 -	good	mostly correct/prioritised	1	relevant parts	many	100	,	inconclusive or too long
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2.	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions



ristive Alby mod?

4-3 Barange



+ well prioritised

many correct

+ improvement suggestions

overall efficient

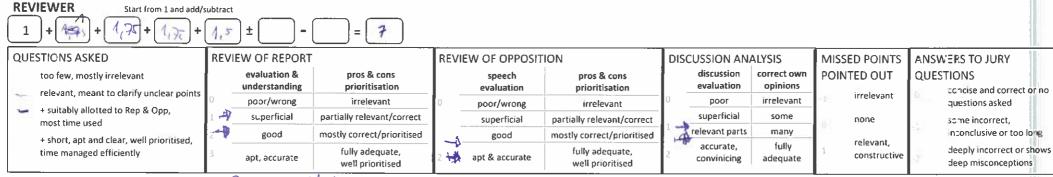
CARC	phenomenon explanation	theory/model	releva	nt experiments	comparison between theory and experiment	o	wn contribution	task fulfilment	science communication	DISC	CUSSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no		almost no	almost no		almost no	misunderstood	unclear, chaotic	ŀ	relevant arguments/responses	reporter's conduct in the	OPPONENT, and REVIEWER'S QUESTION
	some fair	some		some fair	some qualitative agreement		ew of sources, cited some own input	partly	partly clear average			discussion	REVIEWER 3 QUESTIO
	good	good		2	quantitative agreement			some aspects above average	some aspects well done	0	too few some	poor/aggressive partly fine	concise and correct
	detailed demonstrative	quite detailed, correct	<u>or</u> '	multitude of parametres examined	+ limits discussed	<u>or</u> 1ì	considerable experimental	interesting solution	overall clear, demonstrative	2	many + data/theory supported	good some aspects efficient	some incorrect, inconclusive or too
	and comprehensible, ows physical insight	detailed, complex, completely testable	and []	errors analysis	well fitting, deviations analysed, conclusive	IJ and	considerable theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	-2 deeply incorrect or deep miscoceptions

OPPONENT Start from 1 and add/subtract 2,5 \$ 20 46 QUESTIONS ASKED **OPPOSITION (SPEECH) DISCUSSION WITH REPORTER** ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions topics raised and their opponent's conduct in time **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented prioritisation management the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few poor almost none too few poor/aggressive questions asked unclear points in the report some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant some aspects efficient

all time used

+ improvement

suggestions



NOTES:

NOTES:

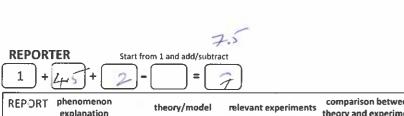
+ well prioritised

practically all points

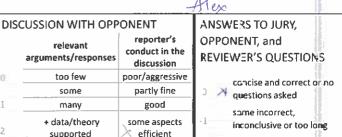
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deeply incorrect or shows

deep misconceptions



Maz Mohammad



deeply incorrect or shows

deep miscnceptions

relevant

arguments/responses

too few

some

many

+ data/theory

supported

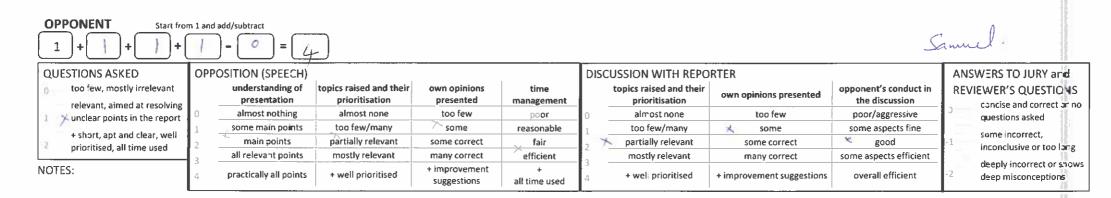
proved deep

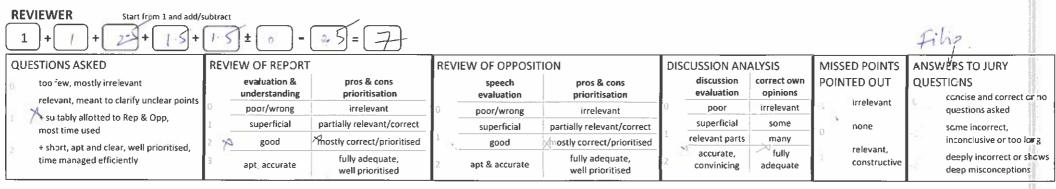
understanding

overall efficient

REPO	explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
1	some	some	some	some	review of sources, cited	partly	partly clear
	fair	fair	fair	qualitative agreement	some own input	average	average
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
4 5	detailed demonstrative	quite detailed,	or multitude of parametres examined	+ limits discussed X	or considerable experimental	interesting XI solution	overall clear, demonstrative
6 7	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated
NOT							

NOTES:





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Yjaz Mohammad. Jakub.

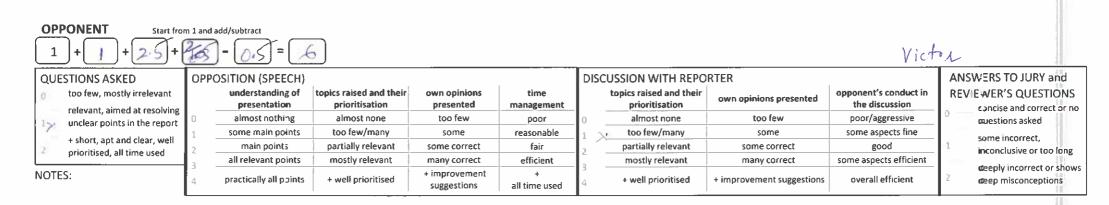


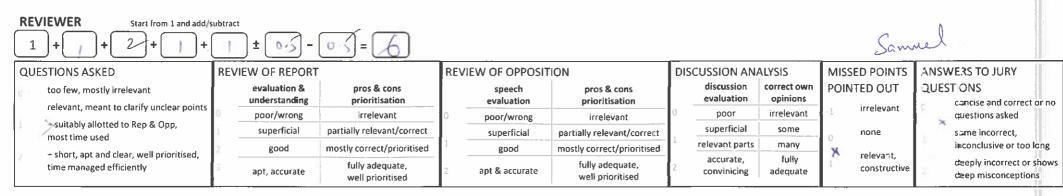
TROP	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCU	SSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear	ar	guments/responses	discussion	REVIEWER'S QUESTIONS
	fair	fair	fair	qualitative agreement	some own input	average	average	0	too few	poor/aggressive	cancise and correct or r
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	cancise and correct or r
	>		multitude of X		×) \	×	1	many	good	come incorrect
	detailed demonstrative	quite detailed, correct	parametres examired	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	same incorrect, inconclusive or too lon deeply incorrect or sho
		detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deep miscnceptions

NOTES:

REPORTER

Start from 1 and add/subtract





NOTES:

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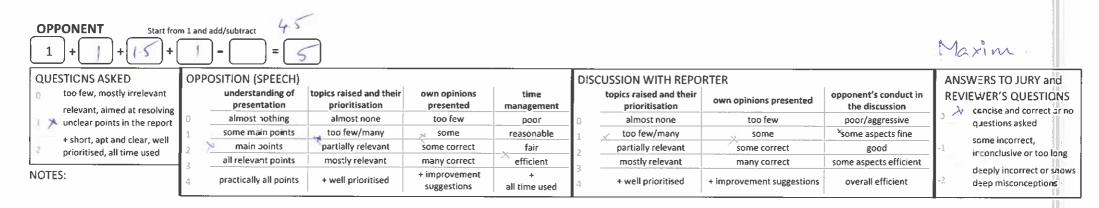
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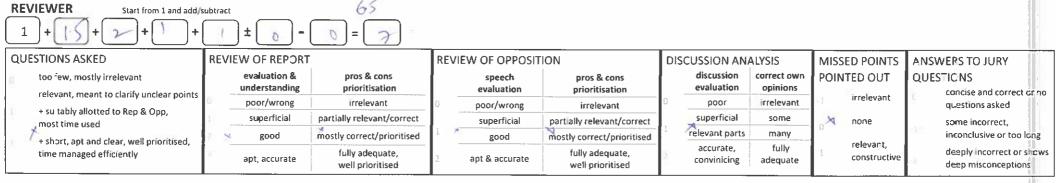
1 jaz Monammad



ORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	CUSSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no	almost ro	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear		arguments/responses	discussion	REVIEWER'S QUESTIC
	fair	fair 🗡	fair	qualitative agreement	some own input	average	average	0	too few	poor/aggressive	
	good	good ^	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct questions asked
		S	multitude of			162 75		1	many	good	'
	detailed demonstrative	quite detailed, correct	parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too
,		detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overal: efficient	deeply incorrect o deep miscnception

NOTES:





3 tyzboj 13 bolo Michae Tomaga Katarina Kevicka REPORTER Start from 1 and add/subtract REPORT phenomenon comparison between science **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, relevant experiments theory/model own contribution task fulfilment explanation theory and experiment communication reporter's OPPONENT, and almost no relevant almost no almost no almost no unclear, chaotic almost no misunderstood conduct in the **REVIEWER'S QUESTIONS** some arguments/responses some some areview of sources, cited some partly partly clear discussion fair aqualitative agreement 🖖 fair some own input average average too few poor/aggressive concise and correct or no some aspects some aspects quantitative agreement + some interesting results of good good good some partly fine cauestions asked above average well done many good multitude of detailed quite detailed, overall clear. some incorrect. considerable interesting or + limits discussed parametres + data/theory some aspects demonstrative inconclusive or too long correct solution demonstrative experimental examined efficient supported deeply incorrect or shows deep and comprehensible, detailed, complex, well fitting, deviations + complex concepts proved deep greater extent considerable deep miscnceptions errors overall efficient shows physical insight completely testable and analysed, conclusive than expected well communicated understanding and theoretical analysis NOTES: polomerom raple succivilee dyn. frema ??? valec - neovolyonile by to & rassucum **OPPONENT** Start from 1 and add/subtract Lu Eas Dacko QUESTIONS ASKED OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions topics raised and their time opponent's conduct in REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented prioritisation management the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few poor almost none too few poor/aggressive unclear points in the report cuestions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant some aspects efficient many correct ceeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used anni dila holloni Lalle REVIEWER Start from 1 and add/subtract Alex anella. 2 +

$\underline{}$		لسلي
QUE	STIONS ASKED	REVIE
0	too few, mostly irrelevant	
	relevant, meant to clarify unclear points	0 _
1	+ suitably allotted to Rep & Opp, most time used	1 —
2	+ short, apt and clear, well prioritised,	2

evaluation & understanding	pros & cons prioritisation
poor/wrong	irrelevant
superficial	partially relevant/correct
good	mostly correct/prioritised
U apt, accurate	fully adequate, well prioritised

RE\	/IEW OF OPPOSIT	TION	D				
	speech evaluation	pros & cons prioritisation					
	poor/wrong	irrelevant					
	superficial	partially relevant/correct	J,				
	good	mostly correct/prioritised	<u> </u>				
	✓ apt & accurate	fully adequate, well prioritised	2				

S	CUSSION AN	ALYSIS	MISSED POINTS
	discussion evaluation	correct own opinions	POINTED OUT
	poor	irrelevant	-1 irrelevant
Ų.	superficial	some	none none
6	relevant parts		ŭ.
	accurate, convinicing	fully adequate	relevant, constructive

s	ANSWERS TO JURY
	QUESTIONS
	cancise and correct or no questions asked
	same incorrect, inconclusive or too lang
re	deeply incorrect or shows

NOTES: deceleration

Katarina Reviola!

Viltor Csontos

REPORTER Start from 1 and add/subtract

TRCP	phenomenon explanation	theory/model	relev	ant experiments	comparison between theory and experiment	(own contribution	task fulfilme	ent	science communication	DISC	CUSSION WITH OPP		ANSWERS TO JURY,
	almost no	almost no		almost no	almost no		almost no	misundersto	od	unclear, chaotic		relevant	reporter's conduct in the	OPPONENT, and
	some	some		some	some	revi	ew of sources, cited	partly		partly clear		arguments/responses	discussion	REVIEWER'S QUESTION
	fair	fair		fair	qualitative agreement	•	some own input	average		average	0	too few	poor/aggressive	
	good	€ good		good	aquantitative agreement	+ 501	me interesting results	some aspec		some aspects well done		some	partly fine	concise and correct questions asked
				multitude of				1.			1	many	good	
0	detailed demonstrative	quite detailed, correct	<u>Por</u> -1Ì	parametres o examined	+ limits discussed	<u>or</u> 1ì	considerable experimental	onteresting solution	6	overall clear, demonstrative	2	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too l
		detailed, complex, completely testable		errors analysis	well fitting, deviations analysed, conclusive	U and	considerable theoretical	greater exte		+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or deep miscnceptions

3. Fyz60/1, 2. Kolo

force us velocity **OPPONENT** Start from 1 and add/subtract Katarina Gersova QUESTIONS ASKED OPPOSITION (SPEECH) ANSWERS TO JURY and **DISCUSSION WITH REPORTER** too few, mostly irrelevant understanding of topics raised and their own opinions topics raised and their opponent's conduct in time **REVIEWER'S QUESTIONS** own opinions presented prioritisation presentation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none too few poor/aggressive unclear points in the report poor cuestions asked some main points too few/many some reasonable too few/many some aspects fine some + short, apt and clear, well same incorrect, main points partially relevant fair some correct partially relevant some correct good prioritised, all time used ir conclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows NOTES + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used top water -) constant? nggrum ve -Stable flow REVIEWER Start from 1 and add/subtract Adam Ilcil

QUESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify unclear points + suitably allotted to Rep & Opp, most time used

+ short, apt and clear, well prioritised,

time managed efficiently

REVIEW OF REPORT evaluation & pros & cons understanding prioritisation poor/wrong irrelevant superficial partially relevant/correct mostly correct/prioritised good fully adequate. apt, accurate well prioritised

speech evaluation	pros & cons prioritisation	
poor/wrong	irrelevant	
superficial	partially relevant/correct mostly correct/prioritised fully adequate, well prioritised	
good		
apt & accurate		

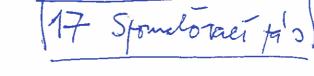
DISC	USSION AN	ALYSIS	MIS	SED POINTS
	discussion evaluation	correct own opinions		NTED OUT
0 0	poor	rrelevant	-1	irrelevant
	superficial	some		none
1 9	relevant parts	талу	0	
2	accurate, convinicing	fully adequate	1	relevant, constructive
		, , , , , ,		

	48					
Αſ	ANSWERS TO JURY					
ૂા	QUESTIONS					
J	concise and correct or no questions asked					
- 1	same incorrect, inconclusive or too long					
æ.	deeply incorrect or shows deep misconceptions					

NOTES: Vilocity Equation -> derived

Katarina Revicea 3. Fyxlog, 1 kolo REPORTER Start from 1 and add/subtract REPORT phenomenon comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY. theory/model relevant experiments task fulfilment own contribution communication explanation theory and experiment reporter's OPPONENT, and relevant almost no almost no almost no almost no misunderstood unclear, chaotic almost no conduct in the REVIEWER'S QUESTIONS arguments/responses some some same review of sources, cited partly partly clear some discussion fair fai fair qualitative agreement some own input average average poor/aggressive too few concise and correct or no some aspects some aspects partly fine good good good quantitative agreement + some interesting results some questions asked above average well done many good multitude of same incorrect, detailed quite detailed, or considerable interesting overall clear, parametres + limits discussed + data/theory some aspects inconclusive or too long demonstrative correct experimental solution demonstrative examired supported efficient deeply incorrect or shows deep and comprehensible. detailed, complex, well fitting, deviations + complex concepts proved deep considerable greater extent deep miscnceptions overall efficient errors shows physical insight completely testable and understanding analysed, conclusive than expected well communicated and theoretical analysis movement starts with force : NOTES: marbles marles come (but **OPPONENT** Start from 1 and add/subtract QUESTIONS ASKED **OPPOSITION (SPEECH)** DISCUSSION WITH REPORTER ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions time topics raised and their opponent's conduct in REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few almost none 10 poor too few poor/aggressive unclear points in the report questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too lang all relevant points mostly relevant many correct efficient mostly relevant many correct ome aspects efficient deeply incorrect or shows **NOTES** + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions Counterrot a time suggestions all time used led me finish = D - menulan relacity table will REVIEWER tart from 1 and add/subtract garian QUESTIONS ASKED **REVIEW OF REPORT** REVIEW OF OPPOSITION DISCUSSION ANALYSIS MISSED POINTS ANSWERS TO JURY evaluation & pros & cons discussion correct own too few, mostly irrelevant POINTED OUT QUESTIONS speech pros & cons evaluation opinions understanding prioritisation evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant poor/wrong poor irrelevant irrelevant poor/wrong irrelevant questions asked + suitably allotted to Rep & Opp, superficial superficial partially relevant/correct some 8 superficial partially relevant/correct none same incorrect. most time used Frelevant parts many inconclusive or too long good mostly correct/prioritised mostly correct/prioritised good + short, apt and clear, well prioritised, relevant, accurate, fully deeply incorrect or shows time managed efficiently fully adequate, fully adequate, constructive apt & accurate apt, accurate convinicing adequate well prioritised well prioritised deep misconceptions NOTES: (Molls IYPT - November 2022 Collypur





REPORTER	Start from 1 and add/subtract
1 +	+ = =

REPORT	T phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
Y	some	some	some	some	review of sources, cited	partly	partly clear
	fair	fair	fair	qualitative agreement	some own input	average	average
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
4 5	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative
	ep and comprehensible, hows physical insight	detailed, complex, completely testable	——————————————————————————————————————	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

DISC	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	relevant arguments/responses	reporter's conduct in the discussion	OPPONENT, and REVIEWER'S QUESTI
0	too few some	poor/aggressive	cancise and corre
1	many	good	questions asked
2	+ data/theory supported	some aspects efficient	inconclusive or to
3	proved deep understanding	overall efficient	deep miscnceptio

-	OPPONENT, and				
	REVIEWER'S QUESTIONS				
	concise and correct or no quest ons asked				
1	-1 = seme incorrect, inconclusive or too long				
_	deeply incorrect or snows				

deep miscnceptions

NOTES:

NOTES:

REVIEWER

OPPONENT Start from	n 1 and add/subtract = PO+SO	3
QUESTIONS ASKED too few, mostly irrelevant	OPPOSITION (SPEECH) understanding of topics raised and their	own opinions

STIONS ASKED	OPPC	SITION (SPEECH)			
too few, mostly irrelevant		understanding of	topics raised and their	own opinions	time
relevant, aimed at resolving		presentation	prioritisation	presented	management
unclear points in the report	0	almost nothing	almost none	too few	poor
, ,	1	some main points	too few/many	some	reasonable
+ short, apt and clear, well prioritised, all time used	2 .	main points	partially relevant	some correct	fair
prioritised, an time used	3 _	all relevant points	mostly relevant	many correct	efficient
ES:	4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used

DISC	USSION WITH REPO	RTER	
	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
)	almost none	too few	poor/aggressive
	too few/many	some	some aspects fine
	partially relevant	some correct	good
	mostly relevant	many correct	some aspects efficient
ļ	+ well prioritised	+ improvement suggestions	overall efficient

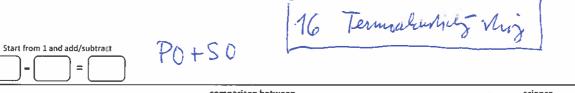
AN:	SWERS TO JURY and
REV	IEWER'S QUESTIONS
0 _	cancise and correct or no questions asked
-1	some incorrect, inconclusive or too l ong
-2	æeply incorrect or shows æep misconceptions

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1 + + + +	± -	=		5								
QUESTIONS ASKED	REVIEW OF REPORT	Ť	REVI	IEW OF OPPOSIT	TON	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	ANS	WERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	l	discussion evaluation	correct own opinions	POli	NTED OUT	QUE:	SNCITS
	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	생	irrelevant	17	questions asked
+ suitably allotted to Rep & Opp, most time used	1 superficial	partially relevant/correct		superficial	partially relevant/correct	I.	superficial	some	n	none		some incorrect,
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	l ·	relevant parts	many	U		1.0	inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	2	deeply incorrect or shows deep misconceptions

NOTES:

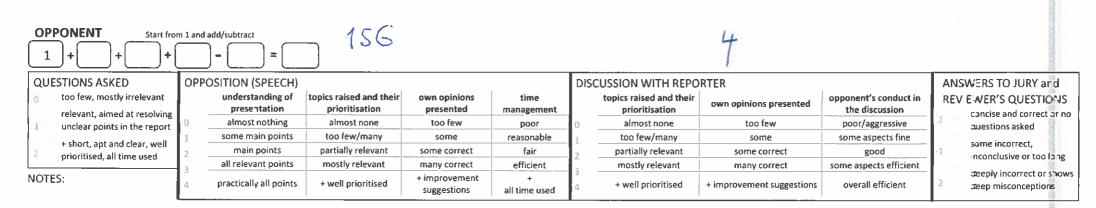
Start from 1 and add/subtract



1 +	+	- =	70+	-30			•	4			Checker
REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISC	CUSSION WITH OPP	ONENT reporter's	ANSWERS TO JURY,
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	conduct in the	OPPCNENT, and
1	some	some	some	some	review of sources, cited	partly	partly clear		arguments/responses	discussion	REVIEWER'S QUESTIONS
2	fall	fair	fair	qualitative agreement	some own input	average	average	0	too few	poor/aggressive	19
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	cancise and correct or no cuestions asked
	2		multitude of		95	•		1	many	good	
5	detailed demonstrative	quite detailed, correct	or parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	. 2	+ data/theory supported	some aspécts efficient	same incorrect, inconclusive or too long deeply incorrect or shows
	and comprehensible, ows physical insight	detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deep miscnceptions

NOTES:

REPORTER



REVIEWER Start from 1 and add/s	subtract	± [=	JH				5				
QUESTIONS ASKED	REVIEW	V OF REPORT		REV	IEW OF OPPOSIT	ION	DIS	CUSSION ANA	ALYSIS	MISSE	D POINTS	ANSWERS TO JURY
too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POINT	TED OUT	QUESTIONS cancise and correct or no
relevant, meant to clarify unclear points	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	-1	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	1 superfi	superficial	partially relevant/correct		superficial	partially relevant/correct	l	superficial	some	none	none	some incorrect,
+ short, apt and clear, well prioritised.	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	1	relevant parts	many			inconclusive or too long
time managed efficiently	ged efficiently 3 ant accurate fully adequ	fully adequate, well prioritised	2 apt & accurate		fully adequate, well prioritised		accurate, convinicing	fully adequate	relevant, constructive		deeply incorrect or shows deep misconceptions	

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REPO	RT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
10	some	some	some	some	review of sources, cited	partly	partly clear
	fair	fair	fair	qualitative agreement	some own input	average	average
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
ş 5	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative
5 d	eep and comprehensible, shows physical insight	detailed, complex, completely testable	U	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

DISCUSSION WITH OPPONENT						
	relevant arguments/responses	reporter's conduct in the discussion				
0	too few	poor/aggressive				
	some	partly fine				
3	many	good				
2	+ data/theory supported	some aspects efficient				
3	proved deep understanding	overall efficient				

ANSWERS TO JURY,
OPPONENT, and
REVIEWER'S QUESTIONS

concise and correct or no questions asked some incorrect, inconclusive or toolong deeply incorrect or shows deep miscnceptions

NOTES:

REPORTER

OPPONENT	Start from 1 and add/subtract
1++++++	+ = =

Start from 1 and add/subtract

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QUESTIONS ASKED	OPPOSITION (SPEECH)			
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
unclear points in the report	0 almost nothing	almost none	too few	poor
	1 some main points	too few/manv	some	reasonable
+ short, apt and clear, well prioritised, all time used	2 main points	partially relevant	some correct	fair
	all relevant points	mostly relevant	many correct	efficient
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used

topics raised and their prioritisation	own opinions presented	opponent's conduct i the discussion
almost none	too few	poor/aggressive
too few/many	some	some aspects fine
partially relevant	some correct	good
mostly relevant	many correct	some aspects efficient
+ well prioritised	+ improvement suggestions	overall efficient

ANSWERS TO JURY and							
REVIEWER'S QUESTIONS							
concise and correct or no cuestions asked							
some incorrect, inconclusive or too long							
deeply incorrect or shows							

REVIE 1	Start from 1 and add/s	subtract ±	=	P0+S0 7-8							1
QUEST	TIONS ASKED	REVIEW OF REPORT		REV	EW OF OPPOSIT	TION	DIS	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
100	oo few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or no
	suitably allotted to Rep & Opp,	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	.1 irrelevant	questions asked
	most time used	1 superficial	partially relevant/correct		superficial	partially relevant/correct		superficial	some	none	some incorrect,
81 +	short, apt and clear, well prioritised.	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	ľ	relevant parts	· · · · · · · · · · · · · · · · · · ·		inconclusive or too long
time managed efficiently		3 apt, accurate	fully adequate, well prioritised	2.	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	relevant, constructive	deeply incorrect or shows deep misconceptions

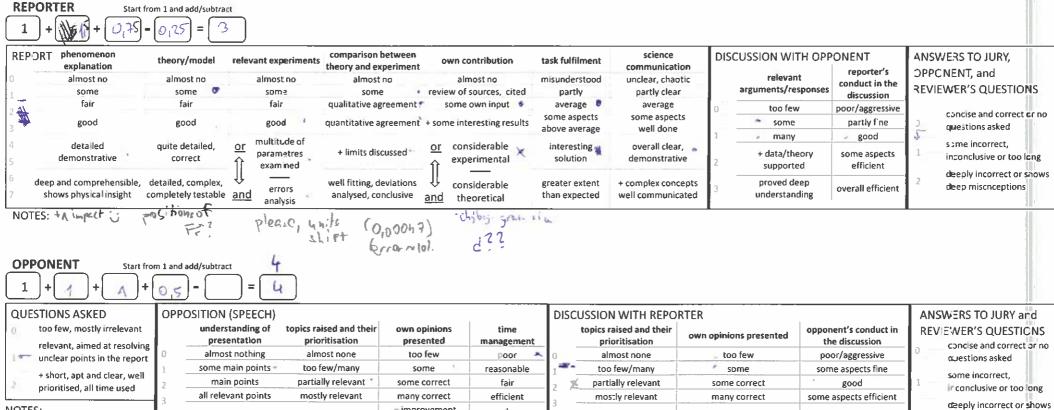
Barrinek 2-3



+ well prioritised

+ improvement suggestions

overall efficient



KE	/IEWER Start from 1 and add/s	ubtract												
1	+15+2+15+	1	±	= 6	_									
QU	ESTIONS ASKED	REVI	EW OF REPORT		RE۱	VIEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	ANS	WERS TO JURY
0	too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POI	NTED OUT	QUE	SACITS concise and correct or no
*	+ suitably allotted to Rep & Opp,	0 _	poor/wrcng	irrelevant	poor/wrong	irrelevant	0	роог	irrelevant	1	irrelevant	1	questions asked	
V_{\perp}	most time used	1 _	superficial	partially relevant/correct	_]	superficial	partially relevant/correct		superficial	some	nes	none	S.	some incorrect,
1	+ short, apt and clear, well prioritised,	2 🥏	good	mostly correct/prioritised	1	good	mostly correct/prioritised	, -	relevant parts		. 6		*	inconclusive or too lang
	time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	2.	deeply incorrect or saows deep misconceptions

all time used

improvement

suggestions

+ well prioritised

NOTES:

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deep misconceptions

practically all points





EPORT	T phenomenon explanation		theory/model	relev	ant experiments	comparison between theory and experiment	(own contribution	task fulfilment	science communication	DISC	USSION WITH OPP	ONENT reports
	almost no some		almost no some		almost no some	almost no 🥌 some	revi	almost no ew of sources, cited	misunderstood partly 💁	unclear, chaotic partly clear		relevant arguments/responses	conduct
× .	fair		fair		fair	qualitative agreement		some own input	average	average	0	too few	poor/aggi
	good	9	good		good	quantitative agreement	+ sor	me interesting results	some aspects above average	some aspects well done	_	some -	partly
	detailed demonstrative		quite detailed, correct	or ∏	multitude of parametres examined	+ limits discussed	<u>or</u> 1ì	considerable experimental	interesting solution	overall clear, demonstrative	2	+ data/theory supported	some as efficie
	ep and comprehensibl hows physical insight	-	detailed, complex, completely testable	. <u>and</u>	errors analysis	well fitting, deviations analysed, conclusive	and and	considerable theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall ef

rter's **OPPONENT**, and ct in the REVIEWER'S QUESTIONS ussion gressive concise and correct or no y fine guestions asked bo some incorrect, aspects ir conclusive or too long tient deeply incorrect or shows deep miscnceptions efficient

ANSWERS TO JURY,

NOTES:

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A to 4-times smolet than take - BS! - 2 is 3 cooler not in setus

2752 7-72

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OPPONENT Start from 1 and add/subtract + 2,5 + QUESTIONS ASKED

> too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well prioritised, all time used

JPPC	OSITION (SPEECH) understanding of presentation	topics raised and their	own opinions presented	time management
	almost nothing	almost none	too few	poor
	some main points	too few/many	some	reasonable
	main points	partially relevant	some correct	■ fair
- [all relevant points	mostly relevant	many correct	efficient
	practically all points	+ well prioritised	+ improvement suggestions	all time used

topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
almost none	too few	poor/aggressive
too few/many	some	some aspects fine
partially relevant	some correct	good
 mostly relevant	many correct *	some aspects efficient
+ well prioritised	+ improvement suggestions	overall efficient

ANSV	VERS TO JURY and
REVI	WER'S QUESTIONS
	concise and correct or no
-8	guestions asked
	some incorrect,
	inconclusive or too long
	deeply incorrect or shows
	deep misconceptions

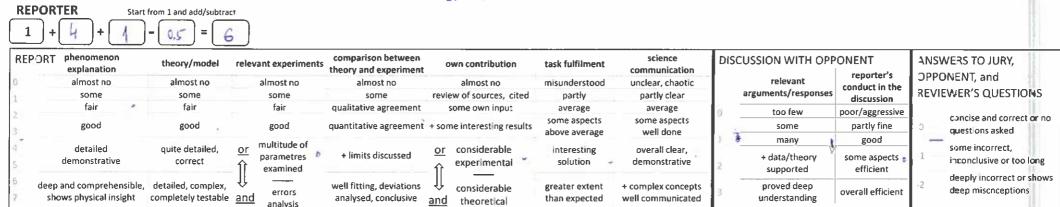
REVIEWER Start from 1 and ac	d/subtra	ct	0 8,5						GJH					
1 + 1/35 + 1/35	1 + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) + (4) +													
QUESTIONS ASKED	REV	VIEW OF REPORT		REVI	W OF OPPOSIT	TON	DIS	CUSSION ANA	ALYSIS	MISSED POINTS	ANSI	WERS TO JURY		
too few, mostly irrelevant relevant, meant to clarify unclear poin		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	ŀ	discussion evaluation	correct own opinions	POINTED OUT	QUES	STIONS cancise and correct or no		
+ suitably allotted to Rep & Opp,	0	pcor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	1 // irrelevant	759	questions asked		
most time used	1	superficial	partially relevant/correct	حاشد	superficial	partially relevant/correct	١,	superficial	some *	none none	77	some incorrect,		
+ short, apt and clear, well prioritised.	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	l h	relevant parts		relevant,	1.7	inconclusive or too long		
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	ζ	accurate, convinicing	fully adequate	constructive	-2	deeply incorrect or shows deep misconceptions		

NOTES:

compressible airl

IYPT - November 2022

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JEY FLUSTIS

why average evoluthing

OPPONENT	Start from	n 1 and add/subtract	4
1 + 1	+ 1,5 +	0,75 -	= 4
QUESTIONS AS	KED	OPPOSITION (SPEECH)

ESTIONS ASKED	OPP	OSITION (SPEECH)			
too few, mostly irrelevant		understanding of	topics raised and their	own opinions	time
relevant, aimed at resolving		presentation	prioritisation	presented	management
unclear points in the report	0	almost nothing	almost none	too few	poor
+ short, apt and clear, well	1 ,	some main points	too few/many	some	reasonable
prioritised, all time used	2	main points	partially relevant	some correct *	fair
phonused, an time used	2	all relevant points	mostly relevant	many correct	efficient
ES:	4	practically all points	+ well prioritised	+ improvement	+ nll time cond

	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
	almost none	too few	poor/aggressive
-	too few/many	some	a some aspects fine
***	partially relevant	some correct	good
	mostly relevant	many correct	some aspects efficient
	+ well prioritised	+ improvement suggestions	overall efficient

	- 48.
	ANSWERS TO JURY and
	REVIEWER'S QUESTIONS
-	concise and correct or no cuestions asked
-	some incorrect, inconclusive or too long
-	deeply incorrect or shows deep misconceptions

what Plan?

REVIEWER Start from 1 and add/ 1 + 4 5 + 0 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7 5 + 0 7			= 5									
QUESTIONS ASKED	REV	IEW OF REPORT		REVI	EW OF OPPOSIT	TION	DIS	CUSSION ANA	ALYSIS	MISS	SED POINTS	ANSWERS TO JURY
too few, mostly irrelevant		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	QUESTIONS
7	0	poor/wrong	irrelevant	irrelevant	poor/wrong	irrelevant	G _	poor	irrelevant	-1	irrelevant	q restions asked
+ suitably allotted to Rep & Opp, most time used	1	superficial	partially relevant/correct	-	superficial	partially relevant/correct	-	superficial	some	0 ==	none	same incorrect,
+ short, apt and clear, well prioritised,	2	good	mostly correct/prioritised	1	good	mostly correct/prioritised	1	relevant parts	many	9 5		inconclusive or too lang
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2=	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions
		7 ۱۹ با مطاره			1	S 11		1111 r				- 111

NOTES:

what theory? sieve comparison belo!

glassieve-ja claper

djemn?

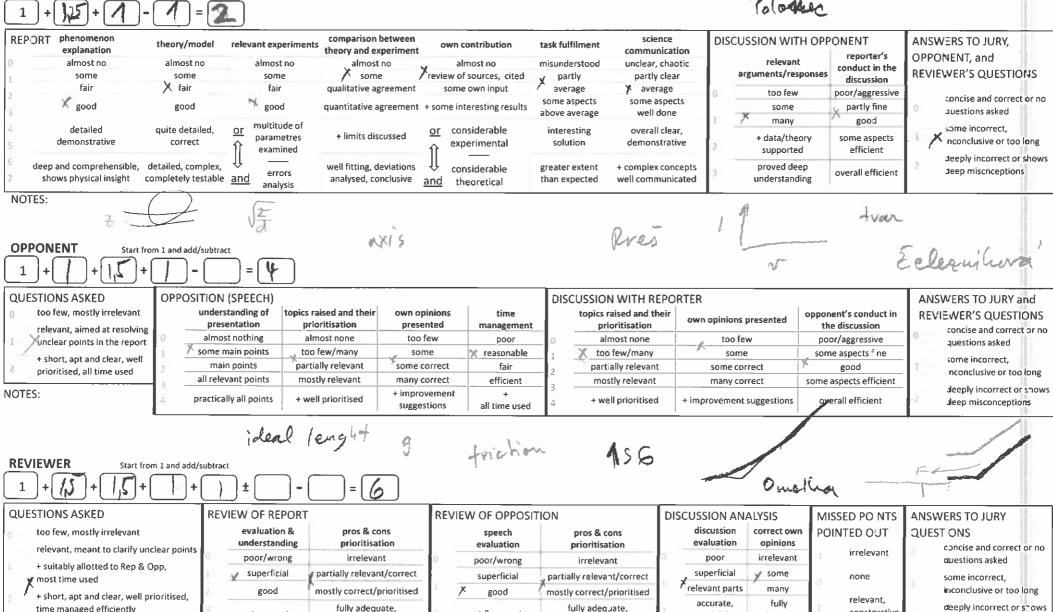
IYPT - November 2022

Samuel Ken ANSWERS TO JURY.

fully adequate,

well prioritised

apt, accurate



apt & accurate

fully adequate,

well prioritised

convinicing

adequate

NOTES:

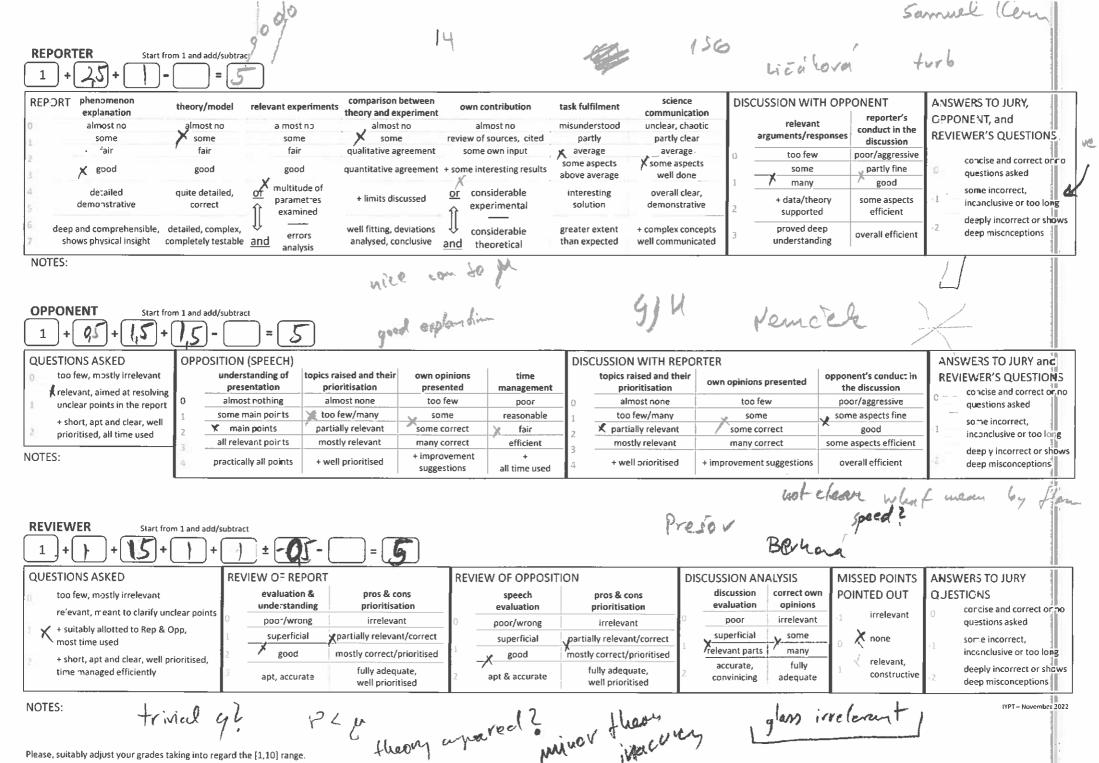
time managed efficiently

REPORTER

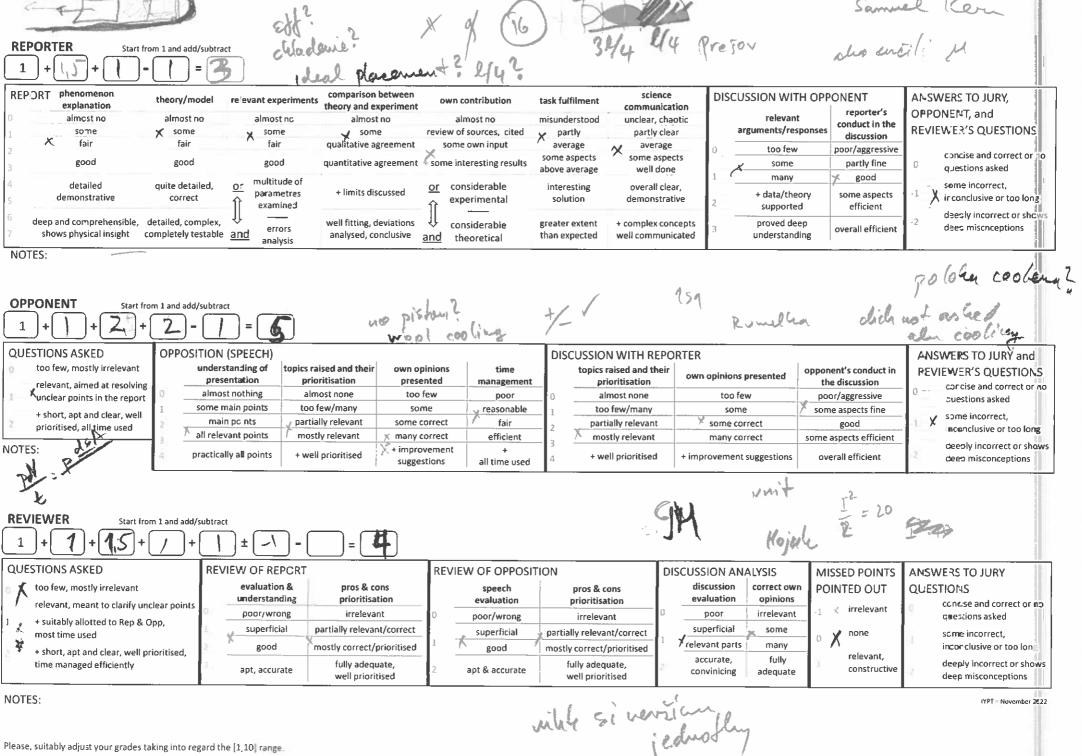
Start from 1 and add/subtract

deep misconceptions

constructive

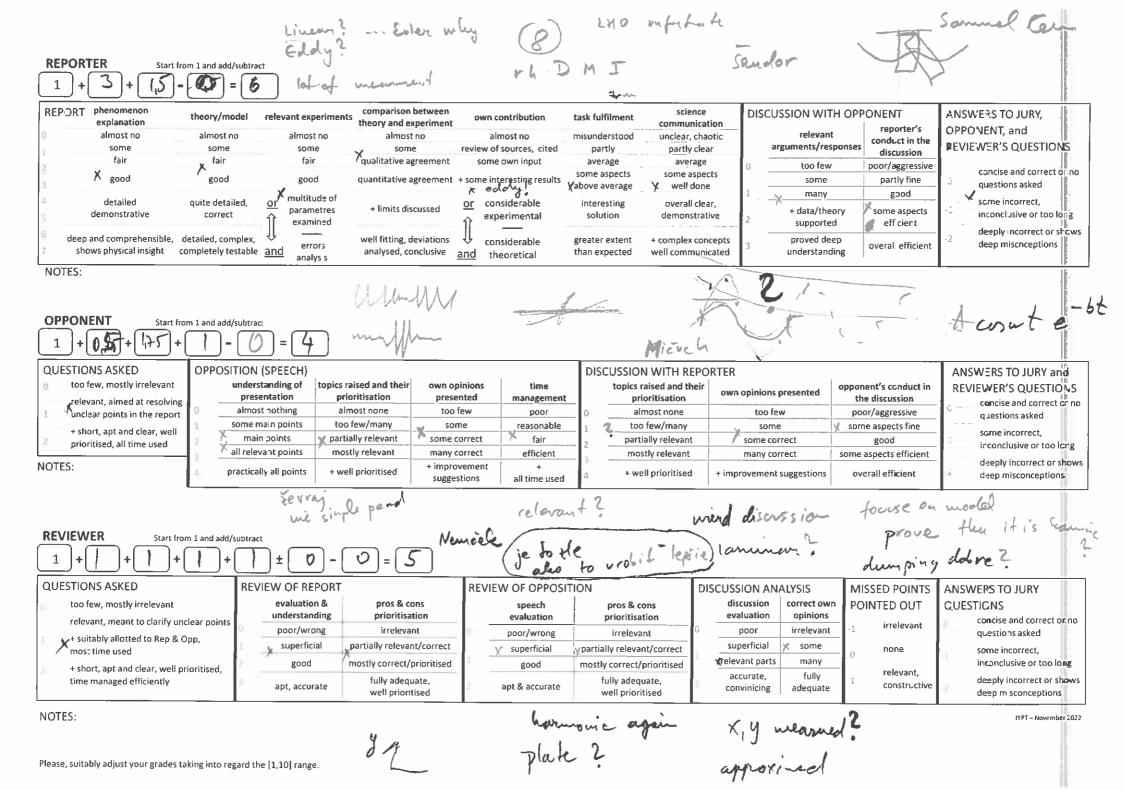


Please, suitably adjust your grades taking into regard the [1,10] range.



Please, suitably adjust your grades taking into regard the [1,10] range.

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REPORT	phenomenon explanation	theory/model	relevant experim	ents theory and experiment	own contribution	task fulfilment	science communication
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
	some	some	some	some	review of sources, cited	partly	partly clear
	fair	fair	fair	qualitative agreement	some own input	average	average
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	Dr. Dr. Dr. Dr.	or considerable ↑ experimental	interesting solution	overall clear, demonstrative
	and comprehensible, ows physical insight	detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concept well communicate

CUSSION WITH OPP	ONENT	
relevant arguments/responses	reporter's conduct in the discussion	
too few	poor/aggressive	
some	partly fine	
many	good	
+ data/theory supported	some aspects efficient	
proved deep understanding	overall efficient	
	relevant arguments/responses too few some many + data/theory supported proved deep	

ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS

concise and correct or no cuestions asked some incorrect, inconclusive or too long deeply incorrect or shows deep miscnceptions

NOTES:



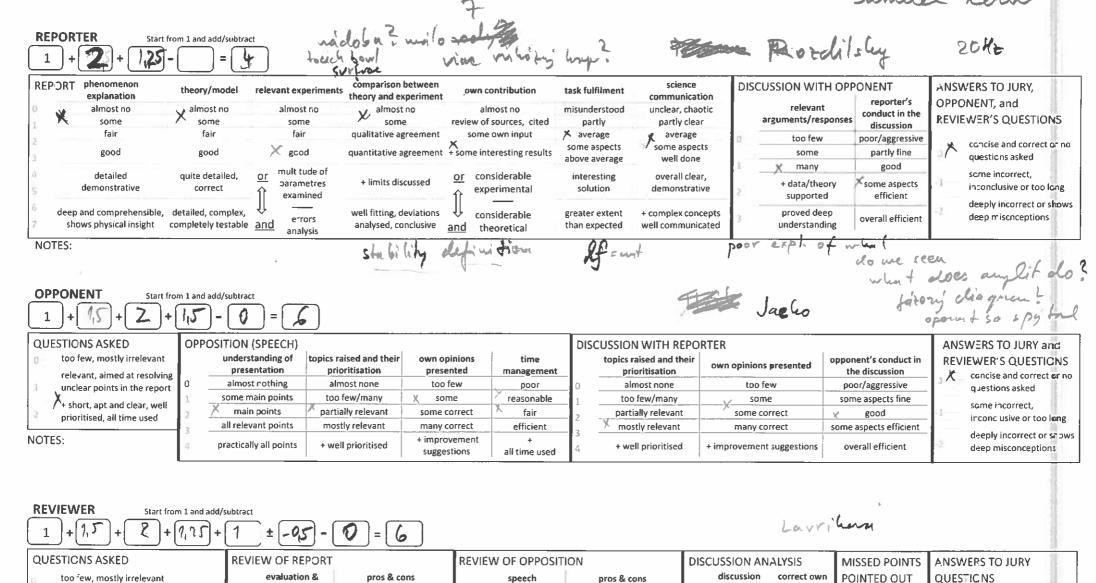
100 mule

QUESTIONS ASKED too few, mostly irrelevant frelevant, aimed at resolving	OPPOSITION (SPEECH) understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	
unclear points in the report	almost nothing	almost none	too few	роог	
~~	some main points	too few/many	some	reasonable	
+ short, apt and clear, well prioritised, all time used	main points	partially relevant	some correct	fair	
prioritised, all time used	all relevant points	mostly relevant	many correct	efficient	
NOTES:	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	

topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
almost none	too few	poor/aggressive
too few/many	some	some aspects fine
partially relevant	some correct	good
mostly relevant	many correct	some aspects efficient
+ well prioritised	+ improvement suggestions	overall efficient

ANS'	WERS TO JURY and
REVI	EWER'S QUESTIONS
3 ×	concise and correct or no questions asked
-1 -	some incorrect, inconclusive or too long
-2	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/s $1 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + $		± 0 -	<u>)</u> = 3					Ze.	izik			1
QUESTIONS ASKED	REV	IEW OF REPORT	•	REVII	EW OF OPPOSIT	TION	DIS	CUSSION ANA	ALYSIS	MISSED POINTS	#NSWERS T	ro jury
too few, mostly irrelevant relevant, meant to clarify unclear points	0	evaluation & understanding poor/wrong	pros & cons prioritisation irrelevant	5	speech evaluation poor/wrong	pros & cons prioritisation	0	discussion evaluation poor	correct own opinions irrelevant	POINTED OUT		S se and correct or no ions asked
+ suitably allotted to Rep & Opp, most time used	\^	superficial	partially relevant/correct	K	superficial	partially relevant/correct	Si .	superficial	some	× none	· '	incorrect,
+ short, apt and clear, well prioritised.	39	good	mostly correct/prioritised	.3	good	mostly correct/prioritised		relevant parts	many	SS	incond	clusive or too lang
time managed efficiently		apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	relevant, 1 constructive	' '	y incorrect or shows misconceptions
NOTES:		english?										JYPT – November 2022



evaluation

poor/wrong

superficial

good

apt & accurate

prioritisation

irrelevant

partially relevant/correct

mostly correct/prioritised

fully adequate,

well prioritised

evaluation

poor

superficial

relevant parts

accurate.

convinicing

opinions

irrelevant

some

many

fully

adequate

irrelevant

relevant,

constructive

Xnone:

NOTES:

concise and correct or no

inconclusive or too long

deep misconceptions

deeply incorrect or shows

questions asked

some incorrect.

relevant, meant to clarify unclear points

+ short, apt and clear, well prioritised.

+ su tably allotted to Rep & Opp.

time managed efficiently

most time used

understanding

poor/wrong

superficial

good

apt_accurate

prioritisation

irrelevant

partially relevant/correct

mostly correct/prioritised

fully adequate,

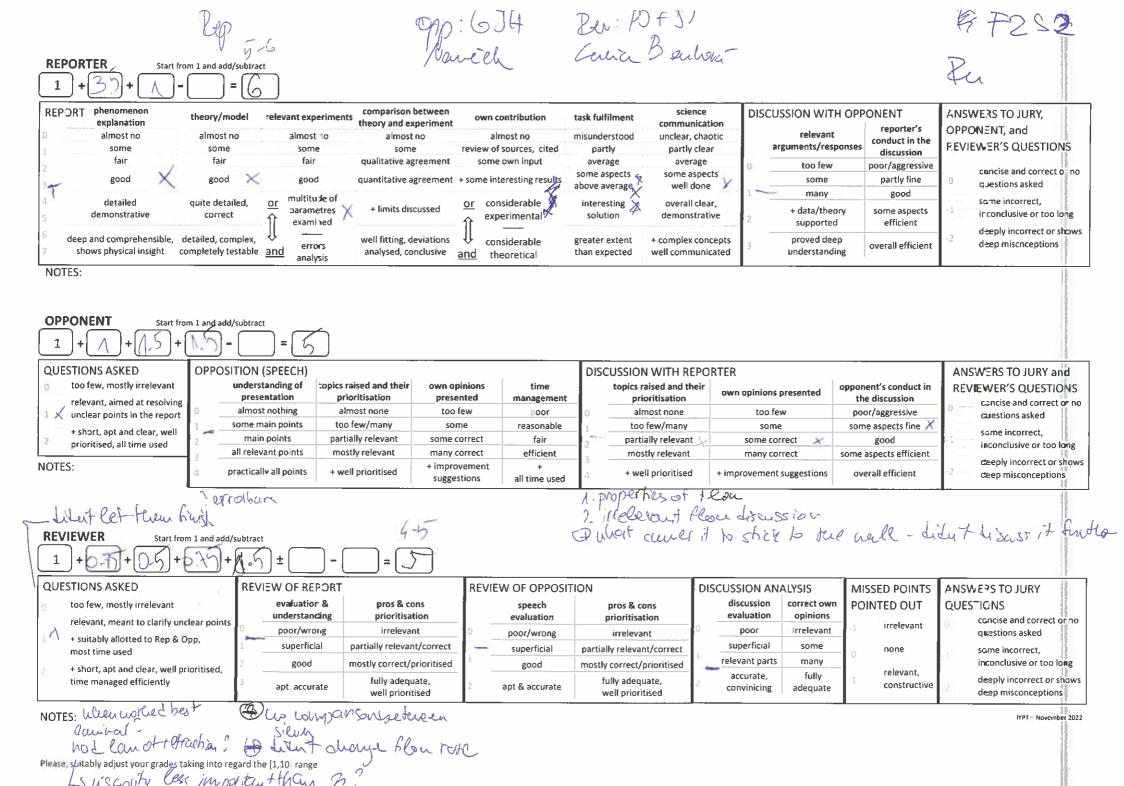
well prioritised

Opp: 1SG: Ocaollia (ev: 654) 16-Accountil Ougue Ry 6JAR Harinea REPORTER Start from 1 and add/subtract phenomenon comparison between science **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, REPORT theory/model task fulfilment relevant experiments own contribution explanation theory and experiment communication reporter's OPPONENT, and unclear, chaotic relevant almost no almost no almost no almost no misunderstood almost ro conduct in the REVIEWER'S QUESTIONS arguments/responses T. review of sources, cited partly partly clear some some some some X discussion average average fair fair fair qualitative agreement some own input poor/aggressive too few concise and correct or no some aspects some aspects partly fine good good good quantitative agreement + some interesting results some questions asked above average well done many good multitude of some incorrect, detailed quite detailed, or considerable interesting overall clear, or parametres + limits discussed + data/theory some aspects inconclusive or too long demonstrative correct solution demonstrative experimental examined supported efficient deeply incorrect or shows proved deep deep and comprehensible, well fitting, deviations detailed, complex, greater extent + complex concepts considerable deep miscnceptions overall efficient errors shows physical insight well communicated understanding completely testable and analysed, conclusive than expected and theoretical analysis NOTES: **OPPONENT** Start from 1 and add/subtract 3 anis ANSWERS TO JURY and **DISCUSSION WITH REPORTER** QUESTIONS ASKED OPPOSITION (SPEECH) understanding of topics raised and their own opinions topics raised and their opponent's conduct in too few, mostly irrelevant time REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented management prioritisation the discussion concise and correct or no relevant, aimed at resolving almost nothing almost none too few almost none too few poor/aggressive poor questions asked unclear points in the report too few/many too few/many some aspects fine \ some main points some some reasonable some incorrect. + short, apt and clear, well partially relevant main points some correct fair partially relevant some correct prioritised, all time used intonclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct some aspects efficient deeply incorrect or shows + improvement Digino oxile apola practically all points + well prioritised overall efficient + well prioritised + improvement suggestions deep misconceptions suggestions all time used @ Lit i measure ethicic Should kil nool cool? - too reach time spent on optimal levice. Start from 1 and add/subtract L'och, a sound Duly thou in run m **REVIEWER** QUESTIONS ASKED REVIEW OF REPORT **REVIEW OF OPPOSITION DISCUSSION ANALYSIS** MISSED POINTS **ANSWERS TO JURY** discussion correct own POINTED OUT evaluation & pros & cons pros & cons QUESTIONS too few, mostly irrelevant speech evaluation opinions understanding prioritisation prioritisation evaluation concise and correct or no relevant, meant to clarify unclear points irrelevant irrelevant irrelevant poor poor/wrong questions asked poor/wrong irrelevant + sultably allotted to Rep & Opp, superficial some superficia partially relevant/correct partially relevant/correct none superficial same incorrect. most time used relevant parts many inconclusive or too long. good mostly correct/prioritised mostly correct/prioritised good + short, apt and clear, well prioritised. relevant, accurate. fully deaply incorrect or shows fully adequate. fully adequate, time managed efficiently constructive apt & accurate apt, accurate convinicing adequate deep misconceptions well prioritised well prioritised NOTES: Offerher L cooling

Dan your determine Afficiency of engine from sound

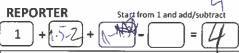
Dhow is fruiting want related to the PALON

Please, suitably adjust your grades taking into regard the [1,10] range. A) but have braicolnest IVPT - November 2022



At Anoster 50%

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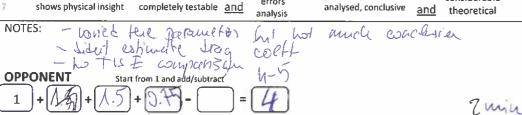


REPO	ORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
0	almost no	almost no	almost no	almost no X	almost no	misunderstood	unclear, chaotic
4	some	some	scme	some	review of sources, cited	partly	partly clear
-	fair	fair	fair	qualitative agreement	some own input 🗶	average 🗶	average X
3	good X	good	good 🗡	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
4 5	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable	interesting solution	overall clear, demonstrative
6 7	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

DISCUSSION WITH OPPONENT									
	relevant arguments/responses	reporter's conduct in the discussion							
8	too few	poor/aggressive							
	some	partly fine							
1 7	many	good							
2	+ data/theory supported	some aspects efficient							
3	proved deep understanding	overall efficient							

ANSWERS TO JURY,
OPPCNENT, and
REVIEWER'S QUESTIONS

concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or snows deep miscnceptions



QUESTIONS ASKED too few, mostly irrelevant

relevant, aimed at resolving unclear points in the report + short, apt and clear, well

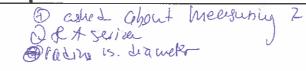
pricritised, all time used

OPPC	SITION (SPEECH)			
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
3 _	almost nothing	almost none	too few	poor (/
	some main points	too few/many	some	reasonable ^
2	main points	partially relevant 💢	some correct	fair
	all relevant points	mostly relevant	many correct	efficient
1	practically all points	+ well prioritised	+ improvement suggestions	+ all time used

1.7

topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
almost none	too few °	poor/aggressive
too few/many	some	some aspects fine
partially relevant	some correct	good
mostly relevant	many correct	some aspects efficient
+ well prioritised	+ improvement suggestions	overall efficient

ANS	WERS TO JURY and
REV	EWER'S QUESTIONS
3	concise and correct or no questions asked
4	some incorrect, nconclusive or too long
2	deeply incorrect or shows deep misconceptions



REVIEWER	Start from 1 and add/subtract	6-1
1 + 1.5	+ <u>(1.5)</u> +(1.5)+(7.5)±	=

Qι	JESTIONS ASKED	REVIEW OF REPORT
re	too few, mostly irrelevant	evaluation &
	relevant, meant to clarify unclear points	understanding
		poor/wrong
į.	+ suitably allotted to Rep & Opp, // most time used	superficial
, 1	+ short, apt and clear, well prioritised,	good

time managed efficiently

	evaluation & understanding	pros & cons prioritisation	
0:	poor/wrong	irrelevant	
t	superficial	partially relevant/correct	
T	good	mostly correct/prioritised	
3	apt, accurate	fully adequate, well prioritised	

	speech evaluation	pros & cons prioritisation
0	poor/wrong	irrelevant
	superficial	partially relevant/correct
	good	mostly correct/prioritised
2	apt & accurate	fully adequate, well prioritised

DIS	CUSSION AN	ALYSIS	MISSED POINTS
	discussion evaluation	correct own opinions	POINTED OUT
	evatuation	opinions	
0	роог	irrelevant	irrelevant irrelevant
	superficial	some	none
1	relevant parts	many	
-	accurate,	fully	relevant,
2			1 constructive
	convinicing	adequate	constructive

NSW	ERS TO JURY
QUES	TIONS
	concise and correct or no
	cuestions asked
	same incorrect, inconclusive or too lang
a	deeply incorrect or shows deep misconception.

NOTES:

- no explanation of regity - he own spinious - not good priorityahon gard the [1,10] range.

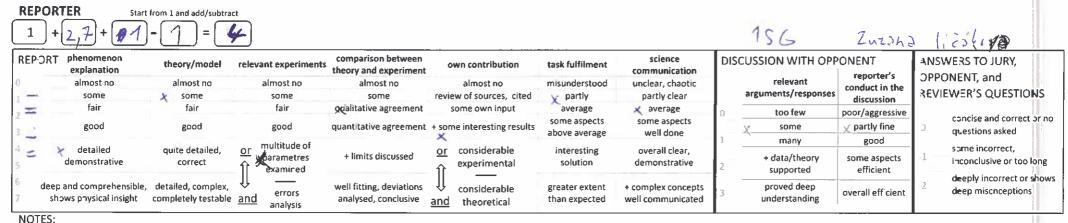
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Please, suitably adjust your grades taking into regard the [1,10] range.



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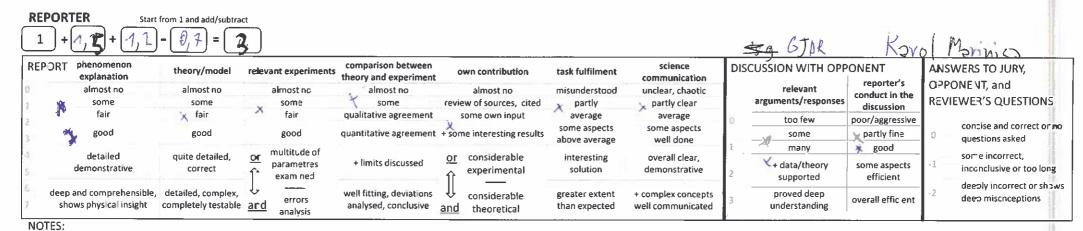


	n 1 and add/subtract					GJH	Johnb	Nemiek
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPO	ORTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	almost nothing	almost none	too few	poor	0 almost none	too few	poor/aggressive	questions asked
+ short, apt and clear, well	some main points	too few/many	some	reasonable	1 too few/many	some	some aspects fine	some incorrect,
prioritised, all time used	2 main points	partially relevant	some correct	fair	partially relevant	some correct	✓ good	inconclusive or too long
prioritised, all time used	all relevant points	a mostly relevant	many correct	efficient	mostly relevant	w many correct	some aspects efficient	
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/s 1 + 2 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 1 + 1	0,5	± -	= 6					GJ	R	1-0	icia P.	2.4.	Vá
QUESTIONS ASKED	REV	IEW OF REPORT		REV	IEW OF OPPOSIT	TON	DI:	SCUSSION AN	ALYSIS		SED POINTS		N'ERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POI	NTED OUT	QUE	SNOITS
+ suitably allotted to Rep & Opp,	0 .	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	1	irrelevant	15	questions asked
most time used	1 .	superficial	partially relevant/correct	ļ	superficial	partially relevant/correct	,	📡 superficial	× some	n	none		some incorrect,
+ short, apt and clear, well prioritised.	2	* good	mostly correct/prioritised	1	< good €	mostly correct/prioritised	Ů	relevant parts	i	_	relevant,		nconclusive or too long
time managed efficiently	3	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	2-0	constructive	á.	deeply incorrect or shows deep misconception:

Mete)

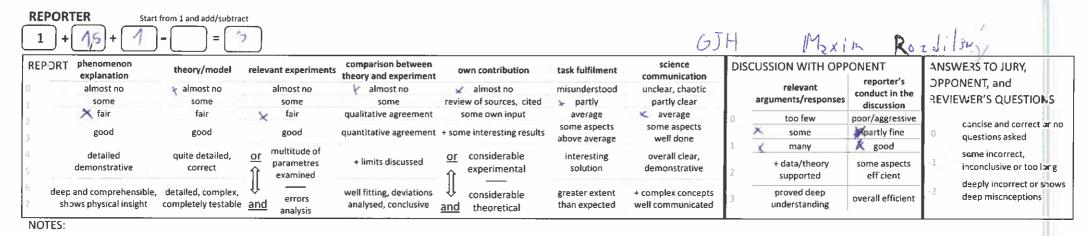
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OPPONENT Start from	$\frac{1}{2}$ and add/subtract $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$						R1sa Al-	ex
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
I unclear points in the report	0 almost nothing	almost none	too few	poor	0 almost none	too few	poor/aggressive	questions asked
X+ short, apt and clear, well	some main points	too few/many	some	× reasonable	too few/many	some	, some aspects fine	- 1
prioritised, all time used	2 main points	partially relevant	some correct	fair	partially relevant	some correct	good	some incorrect, nconclusive or too long
prioritised, an time asca	all relevant points	mostly relevant	many correct	📸 efficient	mostly relevant	χ many correct	some aspects efficient	
NOTES:	4 practically a I points	+ well prioritised	X+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

REVIEWER Start from 1 and add/	subtract							1
1+15+2+1+	1 ± -	= 6	_	*2		6JH	Mori	in Hairige
QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSIT	TION	DISCUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or an
+ suitably allotted to Rep & Opp.	poor/wrong	irrelevant	poor/wrong	irrelevant	0 poor	irrelevant	=1 irrelevant	cuestions asked
most time used	i superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	o none	some incorrect,
+ short, apt and clear, well prioritised.	2 good	mostly correct/prioritised	1 good	mostly correct/prioritised		✓ many	Υ.	inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2 apt & accurate	fully adequate, well prioritised	accurate, 2 convinicing	fully adequate	relevant, constructive	deeply incorrect or shows deep misconceptions





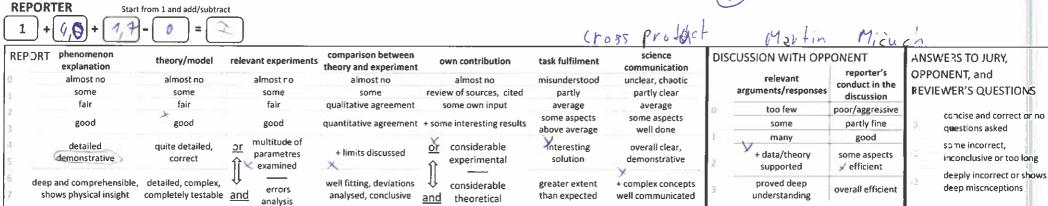
OPPONENT Start from	1 and add/subtract						Postová	Lukas Je	40
QUESTIONS ASKED	OPPOSITION (SPEECH)			-	DIS	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	cuestions asked
+ short, apt and clear, well	some main points	too few/many	some	reasonable	. 1	too few/many	some	some aspects fine	some incorrect,
prioritised, all time used	2 main points	partially relevant	some correct	fair		partially relevant	some correct	good	nconclusive or too long
prioritised, an time ases	all relevant points	mostly relevant	many correct	efficient	Ľ	/ mostly relevant	many correct	some aspects efficient	- 1
NOTES:	4 **practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	ceeply incorrect or shows ceep misconceptions

subtract								
1 ±	- = 8	_			(1035	produc	+ Luiz	s les Levrilous
REVIEW OF REPO	RT	RE	VIEW OF OPPOSIT	TION		4	MISSED POINTS	ANSWERS TO JURY
evaluation & understanding	pros & cons prioritisation	Ĺ	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS cancise and correct of no
poor/wrong	irrelevant	0	poor/wrong	irrelevant	0 poor	irrelevant	1 irrelevant	questions asked
1 superficial	partially relevant/correct	Į.	superficial	partially relevant/correct	superficial	some	none	same incorrect,
2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	relevant parts	* many		inconclusive or too long
apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	accurate, convinicing	fully adequate	relevant, 1 constructive	deeply incorrect or shows deep misconceptions
	REVIEW OF REPORE evaluation & understanding poor/wrong superficial good	REVIEW OF REPORT evaluation & pros & cons understanding prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised ant accurate fully adequate,	REVIEW OF REPORT evaluation & pros & cons understanding prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised ant. accurate fully adequate,	REVIEW OF REPORT evaluation & pros & cons understanding prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant accurate fully adequate, ant & accurate	REVIEW OF REPORT evaluation & pros & cons prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, pros & cons prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate,	REVIEW OF REPORT evaluation & pros & cons prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant accurate Televant fully adequate, ant & accurate Televant fully adequate, ant & accurate fully adequate, and & accurate fully adequate, and & accurate fully adequate, and & accurate fully adequate, accurate fully adequate, accurate fully adequate, accurate fully adequate,	REVIEW OF REPORT evaluation & pros & cons understanding prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant accurate fully adequate, REVIEW OF OPPOSITION speech pros & cons evaluation prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant accurate fully adequate, ant accurate adequate	REVIEW OF REPORT evaluation & pros & cons prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant accurate fully adequate, REVIEW OF OPPOSITION speech pros & cons evaluation prioritisation prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, ant & accurate fully adequate, ant & accurate good mostly correct/prioritised fully adequate, ant & accurate good good good good good good good goo

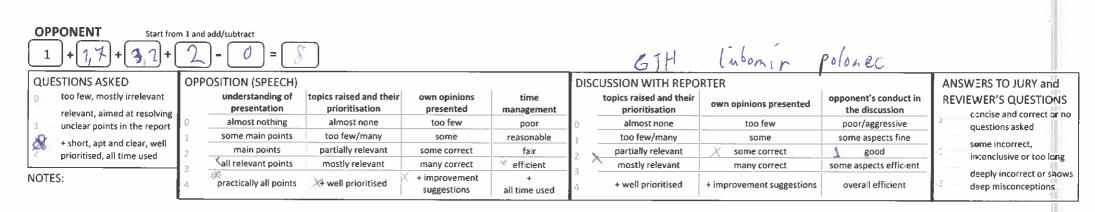


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Matej Novota



NOTES:



_1	+1,5+1,1+	17) ± 0 -	0 = 5			Postors		00	em Ili		k		Transfer de la constant de la consta
Qυ	ESTIONS ASKED	REV	IEW OF REPORT		RE	VIEW OF OPPOSIT	TON	DIS	CUSSION AN	ALYSIS	MI:	SSED POINTS	ANS	WERS TO JURY
G.	too few, mostly irrelevant relevant, meant to clarify unclear points		evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	PO	INTED OUT	QUE	STICNS concise and correct or no
0	+ suitably allotted to Rep & Opp,	0	poor/wrong	irrelevant	0	poor/wrong	irrelevant	0	poor	irrelevant	-1	irrelevant	0	questions asked
	most time used	1	y superficial	partially relevant/correct mostly correct/prioritised	1	× superficial	partially relevant/correct	1	superficial elevant parts	some	.0	none	4	same incorrect, inconclusive or too long
3	+ short, apt and clear, well prioritised, time managed efficiently	2	good	fully adequate,		good	mostly correct/prioritised fully adequate,		accurate,	fully	1	relevant,		deeply incorrect or shows
	and the same of th		apt, accurate	well prioritised	2	apt & accurate	well prioritised	-	convinicing	adequate		constructive	jā:	deep misconceptions

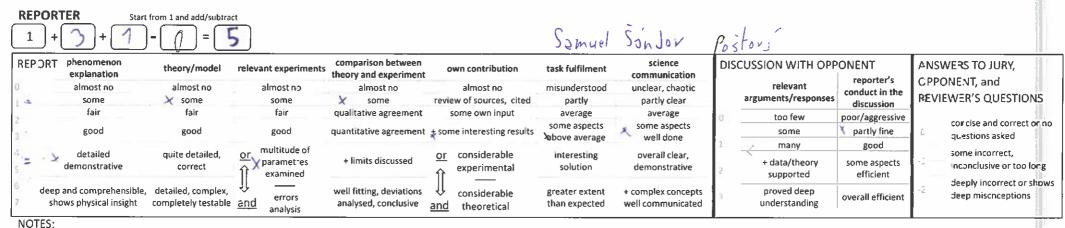
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REVIEWER

IYPT - November 2022

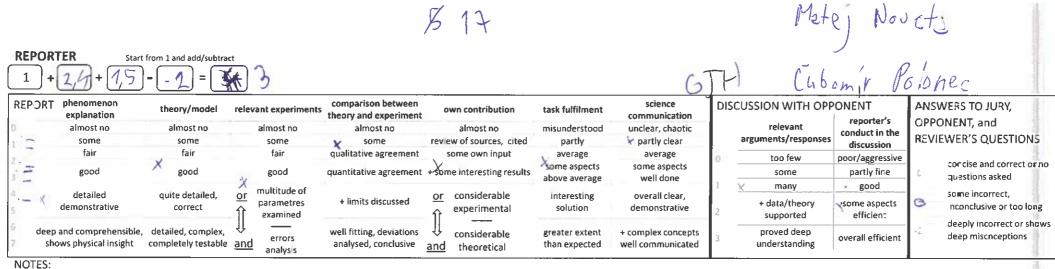
Start from 1 and add/submate





OPPONENT Start from	n 1 and add/subtract						Cross Prod	ud Brl	in Michel
QUESTIONS ASKED	OPPOSITION (SPEECH)		"		DISC	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS concise and correct or no
1 unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	questions asked
+ short, apt and clear, well	1 some man points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	
prioritised, all time used	2 main points	partially relevant	some correct	fair	,	partially relevant	some correct	/ good	some incorrect, inconclusive or too lang
phontisca, an time asea	3 √all relevant points	mostly relevant	> many correct	🀲 efficient	15	mostly relevant	/ many correct	some aspects efficient	11
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	1 all time used	4	+ well prioritised	+ improvement suggestions	overal efficient	deeply incorrect or shows deep miscor ceptions

REV	VIEWER Start from 1 and add/s	ubtract										
1	+15+2+1+	1,5 ± 93 -	= 7					GJH	Je.	kub	Nen	celi
QU	STIONS ASKED	REVIEW OF REPORT	•	RE	VIEW OF OPPOSIT	ION	DIS	CUSSION AN	ALYSIS	MIS	SED POINTS	ANSWERS TO JURY
0.	too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation	ı	speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POI	NTED OUT	CUESTIONS concise and correct of no
100	+ suitably allotted to Rep & Opp,	O poor/wrong	irrelevant	Q.	poor/wrong	irrelevant	0	poor	irrelevant	1	irrelevant	questions asked
1	most time used	1 superficial	partially relevant/correct	1	superficial	partially relevant/correct	J.	superficial	some	a	none	some incorrect,
×	+ short, apt and clear, well prioritised.	2 good	mostly correct/prioritised	1	₹ good	mostly correct/prioritised	1	relevant parts	many	λ	relevant,	nconclusive or too long
	time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	convinicing	fully adequate	1	constructive	deeply incorrect or shows deep misconceptions



OPPONENT Start from	n 1 and add/subtract						GJR	Miriam Je	Plene kons
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISC	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
1 A unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	g_estions asked
+ short, apt and clear, well	1 some main points	x too few/many	some	reasonable	1	too few/many	X some	>some aspects fine	
prioritised, all time used	2 main points	partially relevant	y some correct	fair	5	partially relevant	some correct	good	some incorrect, inconclusive or too long
prioritiscu, all time used	all relevant points	mostly relevant	many correct	efficient		mostly relevant	many correct	some aspects efficient	
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep miscorceptions

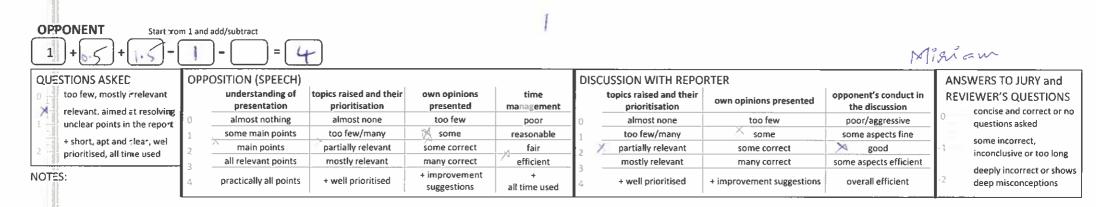
REVIEWER Start from 1 and add/s	subtract										
1+4,5+4+1+	<u>†</u> ±	= 6				1	SG		2 u	7 DNA	i čekové
QUESTIONS ASKED	REVIEW OF REPORT		REVIEW O	OPPOSIT	TON	DIS	CUSSION ANA	ALYSIS	MISS	SED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	evaluation & understanding	pros & cons prioritisation		peech Iluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	NTED OUT	GUESTIONS concise and correct or no
+ suitably allotted to Rep & Opp,	poor/wrong	irrelevant	0 poo	r/wrong	irrelevant	0	poor	irrelevant	1	irrelevant	questions asked
most time used	1 x superficial	partially relevant/correct	Sup	perficial	partially relevant/correct	١,	superficial	some	l n	none	some incorrect,
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1 X	good	mostly correct/prioritised	1	re evant parts	many	0		inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2 apt 8	accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	deeply incorrect or shows deep misconceptions

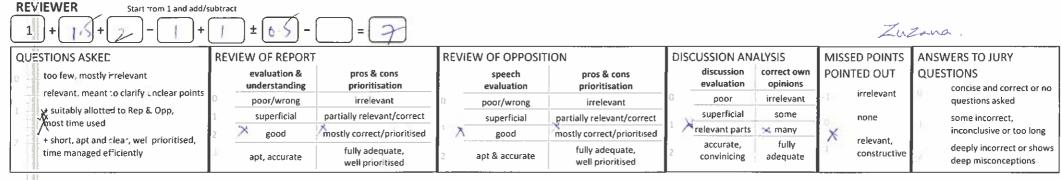
Jaz Mohammad.



TRC13R	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCU	ISSION WITH OPP		ANSWERS TO JURY,
0	almost nc	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic		relevant	reporter's	OPPONENT, and
1	some	some	some	some 🗡	review of sources, cited	partly	partly clear	a	rguments/responses	conduct in the discussion	REVIEWER'S QUESTIONS
, 11 -	fair	fair	fair	qualitative agreement	some own input 🦠	average	average	n	too few	poor/aggressive	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done		some	partly fine	concise and correct or no guestions asked
4	detailed	X X	multitude of			X		1 /2 _	many	good	
5	detailed demonstrative	quite detailed, correct	parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, Address demonstrative	2	+ data/theory supported	Some aspects efficient	some incorrect, inconclusive or too long
		detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	deeply incorrect or shows deep miscnceptions

NCTES:



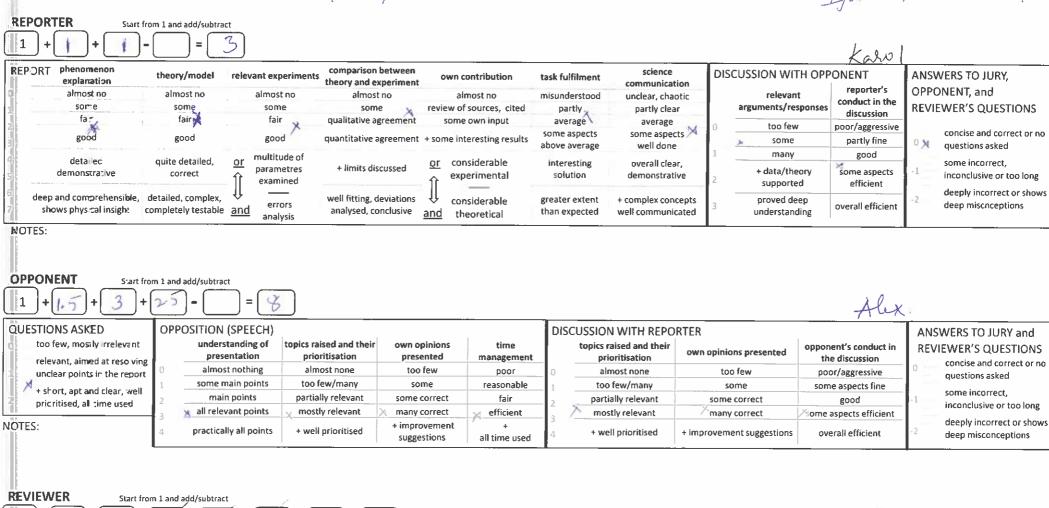


NOTES:

IYPT-November 2022

D D 16

Ijaz Mohammand



REVIEW OF OPPOSITION

speech

evaluation

poor/wrong

superficial

good

apt & accurate

pros & cons

prioritisation

irrelevant

partially relevant/correct

mostly correct/prioritised

fully adequate,

well prioritised

NOTES:

QUESTIONS ASKED

most time used

too few, mostly rrelevant

time managed efficientry

+ suitably allotted to Rep & Opp,

relevant, meant to clarry unclear points

+ short, apt and clear, well prioritised,

concise and correct or no

inconclusive or too long

deep misconceptions

deeply incorrect or shows

questions asked

some incorrect,

Mayrice Marian

QUESTIONS

ANSWERS TO JURY

MISSED POINTS

irrelevant

refevant,

constructive

none

POINTED OUT

DISCUSSION ANALYSIS

correct own

opinions

irrelevant

some

many

fully

adequate

discussion

evaluation

роог

superficial

relevant parts

accurate.

convinicing

REVIEW OF REPORT

evaluation &

understanding

poor/wrong

superficial

good

apt, accurate

pros & cons

prioritisation

irrelevant

partially relevant/correct

mostly correct/prioritised

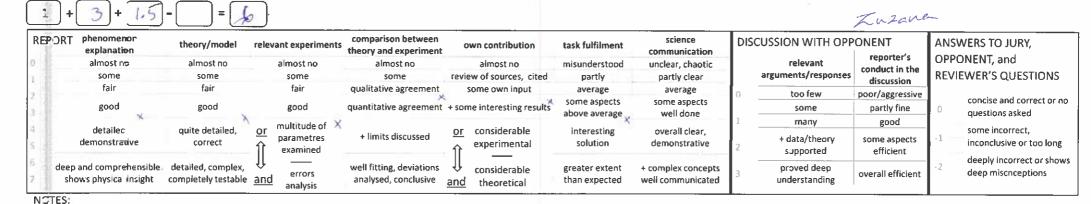
fully adequate,

well prioritised

14

1 SG.

Ijez Mohammad



OPPONENT Start from 1 and add/subtract

Start from 1 and add/subtract

1 + 2 - = 6

Start from 1 and add/subtract

GJH

Jakub

QUESTIONS ASKED		
0	too few, mostly wrelevant	
1	relevant, aimed at resolving Junclear points in the report	
2	+ short, apt and clear, we prioritised, all time used	

REPORTER

OPI	OPPOSITION (SPEECH)					
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		
0	almost nothing	almost none	too few	poor		
1	some main points	too few/many	some	reasonable		
2	main points	partially relevant	some correct	fair		
3	all relevant points	mostly relevant	many correct	efficient		
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used		

	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
)	almost none	too few	poor/aggressive
	too few/many	some	some aspects fine
54	partially relevant	x some correct	>₁ good
^	mostly relevant	many correct	some aspects efficient
1	+ well prioritised	+ improvement suggestions	overall efficient

ANSWERS TO JURY and		
REVIEWER'S QUESTIONS		
concise and correct or no questions asked		
some incorrect, inconclusive or too long		
deeply incorrect or shows deep misconceptions		

PO+SO.

REVIEWER	Start from 1 and add/subtract	
2+/	+	

1		0		
	4	U	a	
		_	1	-

_		$\overline{}$
QL	ESTIONS ASKED	RI
n I	too few, mostly relevant	
1	relevant, meant to clarify unclear points + suitably allotted to Rep & Opp,	0
Z	most time used + short, apt and clear, we prioritised, time managed erficiently	2 3

	evaluation & understanding	pros & cons prioritisation
	poor/wrong	irrelevant
X	superficial	partially relevant/correct
/	good	mostly correct/prioritised
	apt, accurate	fully adequate, well prioritised

REVII	EW OF OPPOSIT	ION
	speech evaluation	pros & cons prioritisation
0	poor/wrong	irrelevant
	superficial	partially relevant/correct
1 1	good	mostly correct/prioritised
2	apt & accurate	fully adequate, well prioritised

DISCUSSION ANALYSIS			Ν
	discussion evaluation	correct own opinions	Þ.
×	роог	irrelevant	-1
	superficial	≥ some	20
	relevant parts	many	~
	accurate, convinicing	fully adequate	ų.

	MISSED POINTS POINTED OUT		
-1	irrelevant		
5 ×	none		
1	relevant, constructive		

ANSWERS TO JURY
QUESTIONS
concise and correct or no questions asked
some inspect

questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions

NCTES:

NOTES:

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2/2

PLR SCY



REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
	some	some	some	some	review of sources, cited	partly	partly clear
	fair	fair	fair	qualitative agreement	some own input	average	average
\hat{a}	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative
185	and comprehensible, ows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

olsc	CUSSION WITH OPP	ONENT reporter's
	relevant arguments/responses	conduct in the discussion
	too few	poor/aggressive
	some	partly fine
	(mar)	good
\rightarrow	+ data/theory supported	some aspects efficient
	proved deep ur derstanding	overall efficient

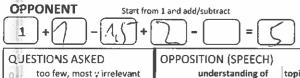
OPPONENT, and
REVIEWER'S QUESTIONS

concise and correct or no questions asked
some incorrect, inconclusive or too long
deeply incorrect or shows deep miscnceptions

ANSWERS TO JURY,

NOTES:

NOTES:



relevant, aimed at resolving

unclear points in the report

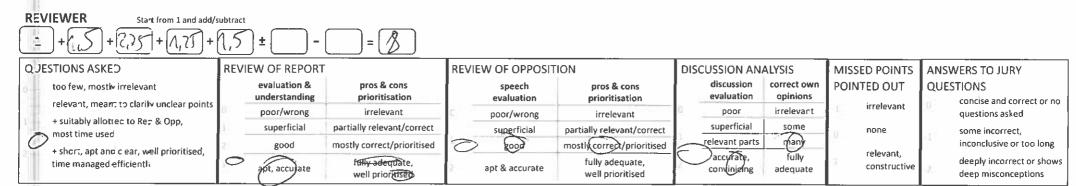
+ short, apt and clear, well

prioritised, all * me usec

OPPO	SITION (SPEECH)			
_	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
0 _	almost nothing	almost none	too few	ppor
1	some main points	too few/many	some	reasonable
	main points	partially (elevant	some correct	fair
1	all relevant points	mostly relevant	many correct	efficient
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used

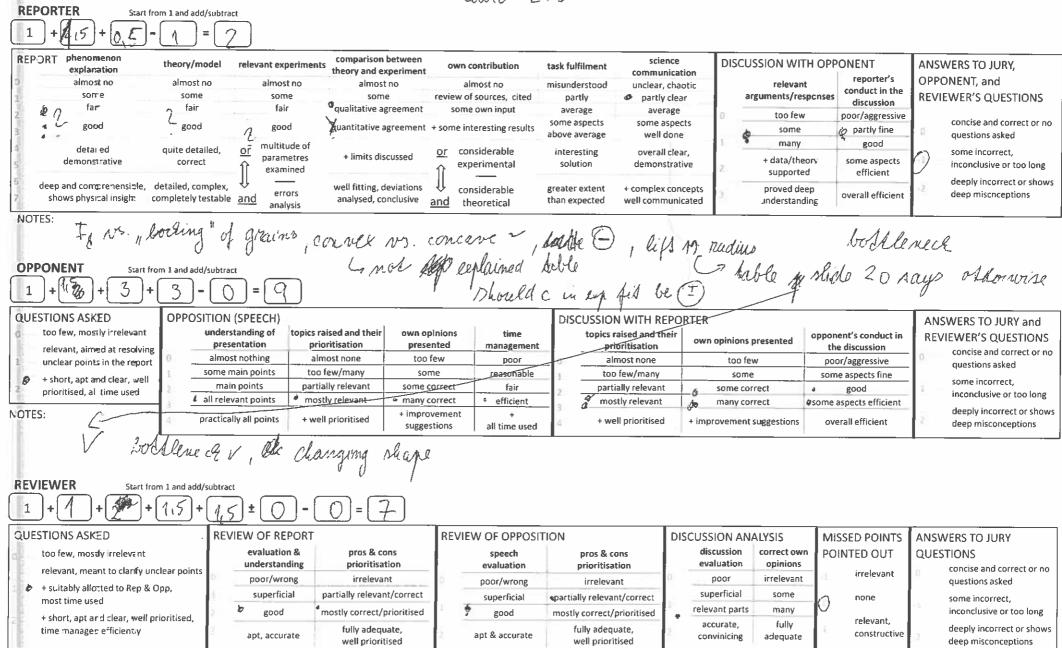
	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
0	almost none	too few	poor/aggressive
1	too few/many	some	some aspects fine
2	partially relevant	some corpec:	good
$\frac{1}{2}$	mostly relevant	many correct	some a pect efficient
4	+ well prioritised	+ improvement suggestions	overall efficient

ANSWERS TO JURY and
REVIEWER'S QUESTIONS
concise and correct or no
questions asked
some incorrect,
inconclusive or too long
deeply incorrect or shows
deep miscorceptions



NGTES:

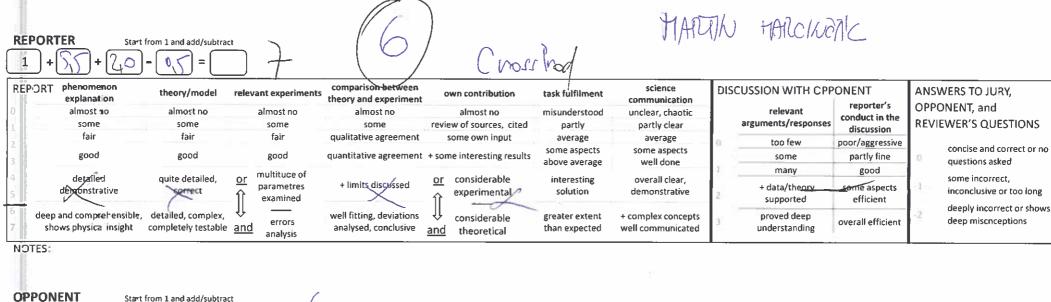
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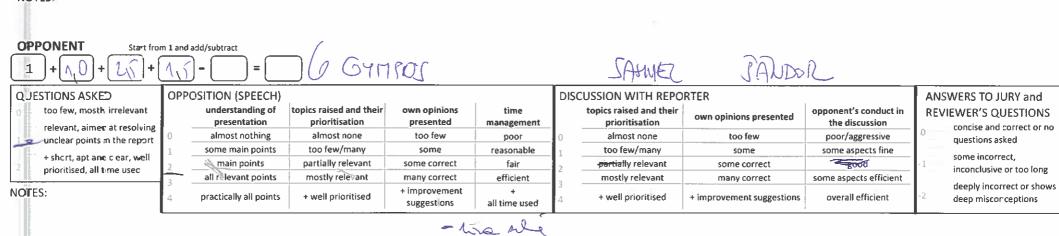


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IYP® - November 2022





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			- /	the ale					-
REVIEWER Star: from 1 and add/s 1 + 20 + 2 + 4 + 4	± -	= 🕽		Da	- Mix	the the	AUN ZI	60	
Q JESTIONS ASKED	REVIEW OF REPORT		REV	IEW OF OPPOSIT	ΓΙΟΝ	DISCUSSION	ANALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	discussio evaluatio		POINTED OUT	QUESTIONS concise and correct or no
relevant, meant to clarify unclear points	poor/wrong	irrelevant	0	poor/wrong	irrelevant	D poor	irrelevant	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	l	superficial	partially relevant/correct	superficia	l some	none	some incorrect,
short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	relevant pa		relevant,	inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	accurate 2 convinicir		1 constructive	deeply incorrect or shows deep misconceptions

REPORTER Start from 1 and add/subtract 4,5 REP:ORT phenomenon comparison between science DISCUSSION WITH OPPONENT ANSWERS TO JURY. theory/model relevant experiments task fulfilment own contribution explanation theory and experiment communication reporter's OPPONENT, and almost no almost no almost no almost no almost no misunderstood unclear, chaotic relevant conduct in the som€ some **REVIEWER'S QUESTIONS** some some review of sources, cited partly partly clear arguments/responses discussion fair fair fair Aqualitative agreement some own input average average too few poor/aggressive concise and correct or no some aspects some aspects good good good (!quantitative agreement Frome interesting results partly fine g above average well done questions asked p good many multitude of quite detailed. detailed or considerable interesting overall clear, some incorrect, 0 + limits discussed parametres + data/theory some aspects demonstrative correct inconclusive or too long experimental solution demonstrative examined supported efficient deeply incorrect or shows deep and comprehensible, detailed, complex, well fitting, deviations considerable greater extent + complex concepts proved deep errors deep miscnceptions overall efficient completely testable and shows physical insight analysed, conclusive than expected well communicated understanding and theoretical analysis NOTES: vs. (x) , induced elmag **OPPONENT** Start from 1 and add/subtract QUESTIONS ASKED OPPOSITION (SPEECH) DISCUSSION WITH REPORTER ANSWERS TO JURY and too few, mostly irrelevant understanding of topics raised and their own opinions time topics raised and their opponent's conduct in **REVIEWER'S QUESTIONS** own opinions presented presentation prioritisation presented management prioritisation the discussion relevant, aimed at resolving concise and correct or no almost nothing almost none too few poor almost none too few poor/aggressive unclear points in the report questions asked some/main/points too few/many some reasonable too few/many -some some aspects fine + short, apt and clear, well some incorrect, main points partially relevant some\correct fair partially relevant some correct good prior tised, all time used inconclusive or too long all televant points mostly relevant many dorrect mostly relevant efficient many correct some aspects efficient deeply incorrect or shows NOTES: + improvement practically all points + well prioritised + well prioritised improvement suggestions overall efficient deep misconceptions suggestions all time used Morangon /weeker -> med relevand | laron + REVIEWER Start from 1 and add/subtract 15 QUESTIONS ASKED REVIEW OF REPORT REVIEW OF OPPOSITION **DISCUSSION ANALYSIS** MISSED POINTS ANSWERS TO JURY evaluation & pros & cons discussion ccrrect own POINTED OUT too few, mostly irrelevant pros & cons QUESTIONS speech evaluation opinions understanding prioritisation evaluation prioritisation concise and correct or no relevant, meant to clarify unclear points irrelevant irrelevant poor/wrong irrelevant poor poor/wrong irrelevant questions asked + suitably allothed to Reg & Opp. superficial superficial partially relevant/correct some superficial partially relevant/correct none some incorrect, most time used relevant parts many mostly correct/prioritised *mostly correct/prioritised inconclusive or too long good good + short, apt and clear, well prioritised, relevant, accurate. fully fully adequate, fully adequate, deeply incorrect or shows time managed efficiently constructive apt & accurate apt, accurate convinicing adequate well prioritised well prioritised deep misconceptions NOTES: IYPT - November 2022 air drag negl. - what slows it down

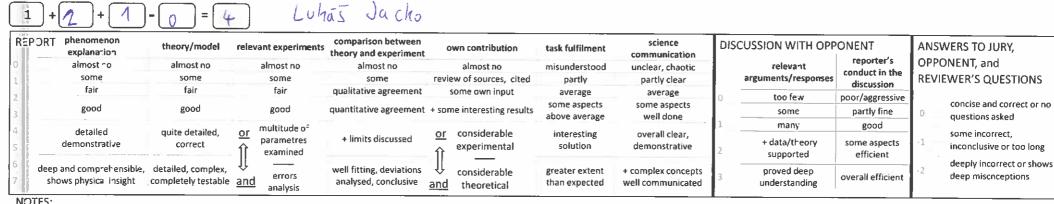
Katarina Review	6Q'	sincole)	7 Fuz	boj, 2. ka	olo				
REPORTER Start from	m 1 and add/subtr	ract	2.190	01/2					
1+417-215-	1 =	I							
REPORT phenomenan explanation	theory/model	relevant experiment	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WIT	H OPPONENT	ANSWERS TO JURY,
0 almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevan	conduct in the	OPPONENT, and
some fair	some fair	some	some qualitative agreement	review of sources, cited some own input	partly average	partly clear average	arguments/res	discussion	REVIEWER'S QUESTIONS
gooc	good	good	quantitative agreement		some aspects	some aspects	too few	poor/aggressive partly fine	concise and correct or no
detailed	quite detailed,	or multitude of		or considerable	above average interesting	well done overall clear,	1 many	good	questions asked
demonstrative 0	correct	parametres examined	+ limits discussed	⊕ experimental	solution	a demonstrative	+ data/the	A.	inconclusive or too long
deep and comprehensible, de	etailed, complex	. ↓ .—	well fitting, deviations	considerable	greater extent	+ complex concept		en	deeply incorrect or shows
7 shows physical insight co	mpletely testabl	e <u>and</u> errors analysis	analysed, conclusive	and theoretical	than expected	well communicate	1000 4	ling overall efficient	deep miscnceptions
NOTES: L=2 \(\omega_3\) = empir	ا مان	·							
4	m 1 and add/subtr			C ₁					
1 + 1 - 3 +	2_ = (1	= 7	Samuel	soundor					
QJESTIONS ASKED	OPPOSITION	N (SPEECH)			DISCUSSIO	N WITH REPORTE	ER		ANSWERS TO JURY and
too few, mostly irrelevant			aised and their own op oritisation prese			raised and their	wn opinions presented	opponent's conduct in	REVIEWER'S QUESTIONS
relevant, aimed at reso ving unclear points in the report	i — :		nost none too f			most none	too few	the discussion poor/aggressive	concise and correct or no questions asked
+ short, apt and dear, well		·	few/many son			o few/many	some	some aspects fine	some incorrect,
prioritised, all time used	~		ally relevant some control some			stly relevant	some correct many correct	good some aspects efficient	inconclusive or too long
NCTES:	3		Il prioritised sugges	rement +	3 + W		mprovement suggestions	overall efficient	deeply incorrect or shows deep misconceptions
wordah pre &	→ <u>}</u>	êrme vil	ue magnel	y					
REVIEWER Start from	n 1 and add/subtra	act							
1 +17 -25+	1 + 1	± 0 - [0 = 7	mady ?				<u>.</u>	
QUESTIONS ASKED	RE	VIEW OF REPORT		REVIEW OF OPPOS	ΙΤΊΟΝ		JSSION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostiv irrelevant		evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & o		discussion ccrrect ow evaluation opinions	POINTED OUT	QUESTIONS concise and correct or no
relevant, meant to clarify unc	U	poor/wrong	irrelevant	poor/wrong	irreleva		poor relevant	irrelevant	questions asked
+ suitably all ofted to Rep & O most time usec	рр,	superficial	partially relevant/correct	superficial	partially releva	17547	superficial some	o none	some incorrect,
+ short, apt and dear, well pri	ioritised,	good	ostly correct/prioritised	good	mostly correct,		accurate, fully	relevant,	inconclusive or too long
time managec efficient	3	apt, accurate	fully adequate, well prioritised	2 apt & accurate	fully adeq well prior	15000	convinicing adequate	1 constructive	deeply incorrect or shows deep misconceptions
NOTES:									IYPT = November 2022

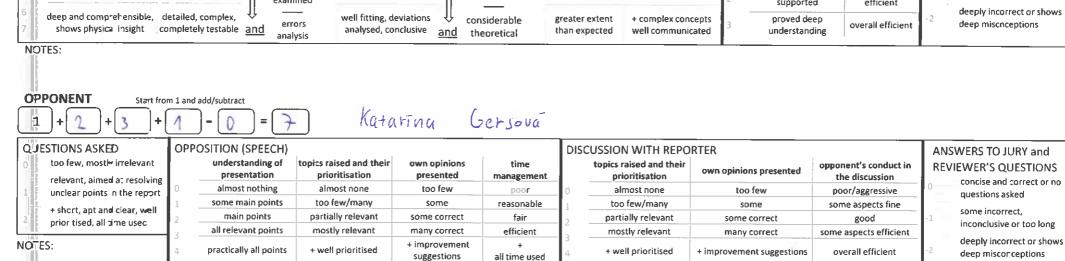
Start from 1 and add/subtract

REPORTER

Tomás Luciusanský

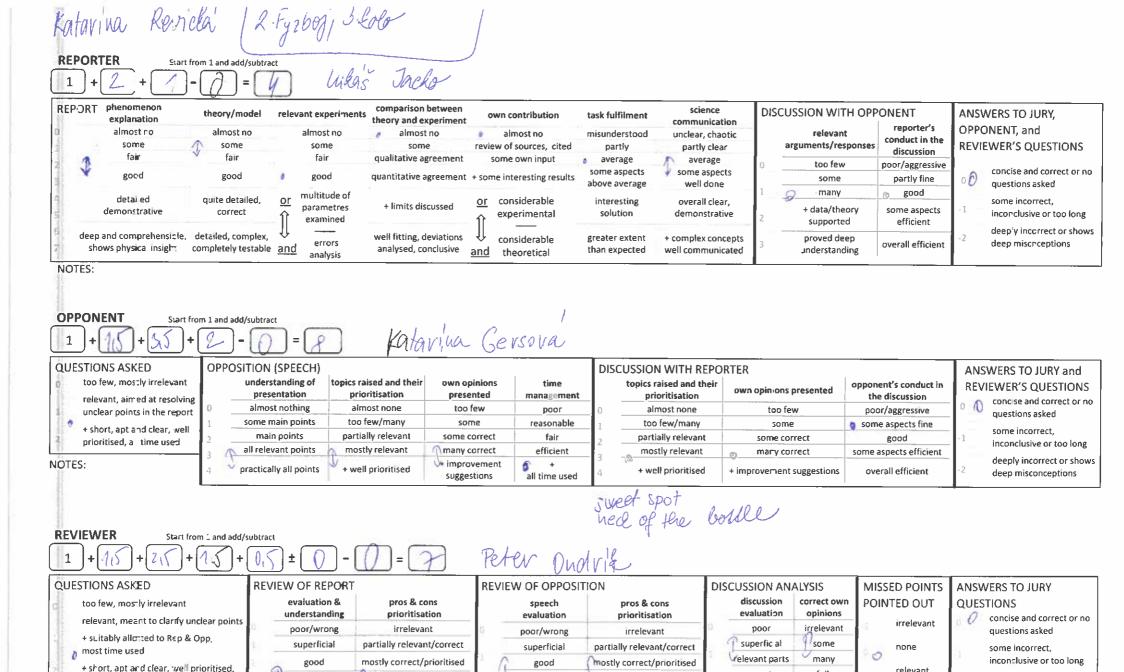
Problem 12





REVIEWER Start from 1 and add/s	ubtract \bullet	0 = 7	Pe	ter On	drik							
QUESTIONS ASKED	REVIEW OF REPORT		REV.	IEW OF OPPOSIT	ΓΙΟΝ	DIŞ	CUSSION AN	ALYSIS	MISS	ED POINTS	ANS	WERS TO JURY
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation		discussion evaluation	correct own opinions	POIN	ITED OUT	QUE	STIONS concise and correct or no
relevant, meant to clarify unclear points	poor/wrong	irrelevant	0	poor/wrong	irrelevant	θ	poor	irrelevant	+1.	irrelevant	10	questions asked
+ suitably allotted to Reg & Opp, most time usec	1 superficial	partially relevant/correct		superficial	partially relevant/correct],	superficial	some	- 1	none	in .	some incorrect,
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	1	re evant parts	many	100		-11	inconclusive or too long
time managed eff ciently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	2	accurate, convinicing	fully adequate	1	relevant, constructive	7	deeply incorrect or shows deep misconceptions

NCTES:



apt & accurate

fully adequate,

well prioritised

apt, accurate

NOTES:

time manages efficient y

deeply incorrect or shows

deep misconceptions

relevant.

constructive

accurate,

convinicing

fully adequate,

well prioritised

fully

adequate

2-Fyzdoj (2-kolo)

Tomas LUCIVJANSKS

REPORTER

Start from 1 and add/subtract

Martin Marcintak

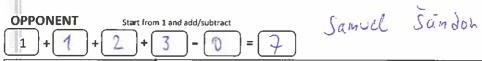
REPO	RT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
01	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
	some	some	some	some	review of sources, cited	partly	partly clear
Įįį į	fair	fair	fair	qualitative agreement	some own input	average	average
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done
5 _	detai ed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative
6 7	eep and comprehensible, shows physical insight	detailed, complex, comp etely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

DIS	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	relevant arguments/responses	reporter's conduct in the discussion	OPPONENT, and REVIEWER'S QUEST
0	too few	poor/aggressive	concise and corre
	some	partly fine	questions asked
1	many	good	
2	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or to
3	proved deep understanding	overall efficient	-2 deeply incorrect deep miscnception

:		NENT, and WER'S QUESTIONS
e	0	concise and correct or no questions asked
-	·1 =	some incorrect, inconclusive or too long
- t	-2	deeply incorrect or shows deep miscoceptions

NOTES:

NOTES:



QU	ESTIONS ASKED
0	too few, mostly irrelevant
1	relevant, aimed at resolving unclear points in the report
7	+ short, apt and clear, well

prioritised, all time usec

understanding of presentation	topics raised and their prioritisation	own opinions presented	time managemen
almost nothing	almost none	too few	poor
some main points	too few/many	some	reasonable
main points	partially relevant	some correct	fair
all relevant points	mostly relevant	many correct	efficient
practically all points	+ well prioritised	+ improvement suggestions	+ all time used

DISC	CUSSION WITH REPO	RTER	
	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
0	almost none	too few	poor/aggressive
1	too few/many	some	some aspects fine
2	partially relevant	some correct	good
2	mostly relevant	many correct	same aspects efficient
4	+ well prioritised	+ improvement suggestions	overall efficient

ANS	WERS TO JURY and
REVI	EWER'S QUESTIONS
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or shows deep misconceptions

REVIEWER	Start from 1 and add/subtract	
1 + 1	+2+1+1±0-0=6	Mates Zigo

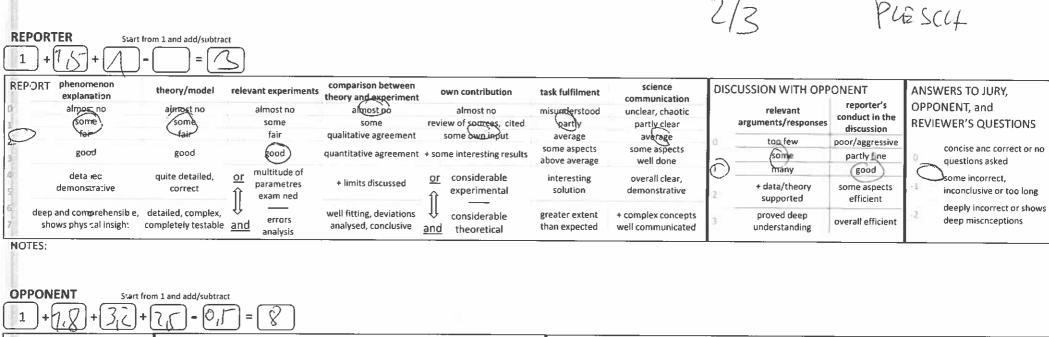
QUE	STIONS ASKED	
0	too few, mostly irrelevant	Į
	relevant, meant to clarify unclear points	ĺ
1	+ suitably allotted to Rep & Opp, most time used	
2	+ short, apt and clear, well prioritised, time managed efficiently	

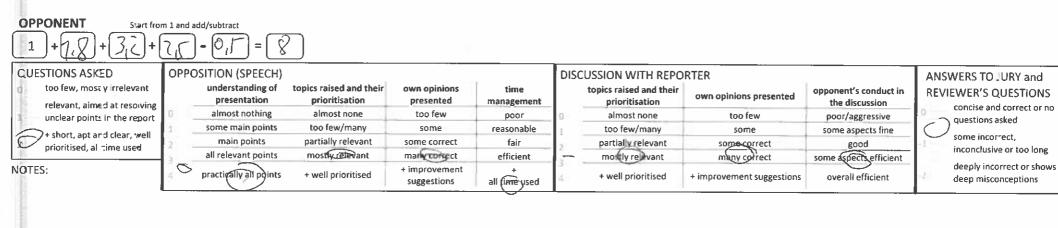
evaluation & understanding	pros & cons prioritisation
poor/wrong	irrelevant
superficial	partially relevant/correct
good	mostly correct/prioritised
apt, accurate	fully adequate, well prioritised

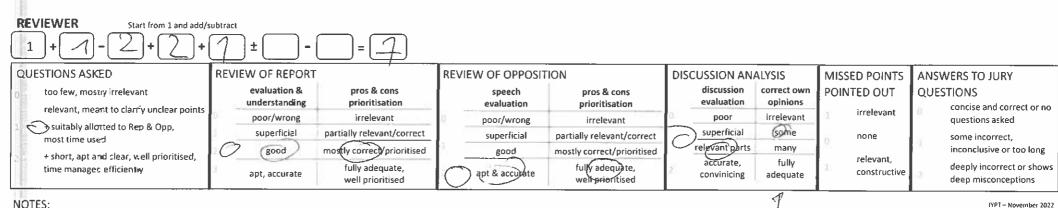
Ŀ٧	IEW OF OPPOSIT	ION
	speech evaluation	pros & cons prioritisation
	poor/wrong	irrelevant
	superficial	partially relevant/correct
	good	mostly correct/prioritised
	apt & accurate	fully adequate, well prioritised

CUSSION AN	MIS	SED POINTS	
discussion evaluation	correct own	POI	NTED OUT
poor	irrelevant	-1	irrelevant
superficial	some		none
relevant parts	many	U	
accurate, convinicing	fully adequate	1	relevant, constructiv
	discussion evaluation poor superficial relevant parts accurate,	poor irrelevant superficial some relevant parts many accurate, fully	discussion correct own evaluation opinions poor irrelevant superficial some relevant parts many accurate, fully

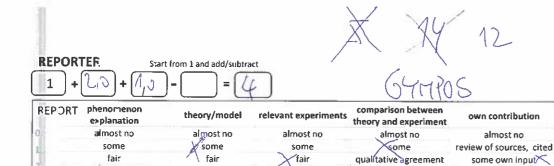
TS	ANSWERS TO JURY
٠	QUESTIONS
t	concise and correct or no questions asked
	some incorrect, inconclusive or too long
ive	deeply incorrect or shows







whe the



<u>or</u>

good

quite detailed,

correct

detailed, complex,

completely testable and

good

multitude of

parametres

exam ned

errors

analysis

LUKAS

task fulfilment

misunderstood

partly

average)

some aspects

above average

interesting

solution

greater extent

than expected

AS C	ACKO	/ -	
science communication unclear, chaotic partly clear	DISCUSSION WITH OPP relevant arguments/responses	ONENT reporter's conduct in the discussion	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
average some aspects well done	0 too few some	poor/aggressive partly fine good	concise and correct or no questions asked
overall clear, demonstrative	+ data/theory 2 supported	some aspects efficient	some incorrect, inconclusive or too long deeply incorrect or shows
+ complex concepts well communicated	3 proved deep understanding	overall efficient	-2 deep miscnceptions

NOTES:

good

deta lec

demonstrative

deep and comprehensible,

shows physical insight

OPPONENT Start from	n 1 and add/subtract) Da	Mix						
QUESTIONS ASKED	OPPOSITION (SPEECH)		-		DIS	CUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	0 almost nothing	almost none	too few	poor	0	almost none	too few	poor/aggressive	guestions asked
+ Short, apt and clear, well	some main points	too few/many	some	reasonable	1	too few/many	some	some aspects fine	
prioritised, all time used	2 main points	partially relevant	some correct	fair	. ,	partially relevant	some correct	good	some incorrect, inconclusive or too long
prioritised, air line used	all relevant points	mostly relevant	many correct	efficient	15	mostly relevant	Pnamy Correct	some aspects efficient	, and a
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	all time used	4	+ well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or show deep misconceptions

quantitative agreement + some interesting results

and

+ limits discussed

well fitting, deviations

analysed, conclusive

or considerable

experimental

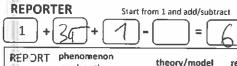
considerable

theoretical

REVIEWER Start from 1 and add/s	subtract										
1 + 0 + 10 + 1 +	10 ± (10 -	= 7		Charles	lens						
QUESTIONS ASKED	REVIEW OF REPORT	,	REV	IEW OF OPPOSIT	ION	DISCUS	SION ANA	LYSIS	MISS	ED POINTS	ANSWERS TO JURY
too few, mostly relevant	evaluation & understanding	pros & cons prioritisation	ĺ	speech evaluation	pros & cons prioritisation		scussion aluation	correct own opinions	POIN	ITED OUT	QUESTIONS concise and correct or no
relevant, meant to clarify unclear points	0 poor/wrong	irrelevant	0	poor/wrong	irre evant	0	роог	irrelevant	-1	irrelevant	questions asked
+ suitably allotted to Rep & Opp, most time used	super(icial	partially relevant/correct		superficial	partially relevant/correct	1 -	perficial	some	Ð	none	some incorrect
+ short, apt and clear, well prioritised,	2 good	mostly correct/prioritised	1	good	mostly correct/priorit sed		vant parts	many		relevant,	inconclusive or too long
time managed efficiently	3 apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	3	ccurate, nvinicing	fully adequate	1	constructive	deeply incorrect or shows deep misconceptions

2/1

PUESCH

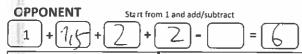


REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic
1 -	some	some	some	some	review of sources, cited	partly	partly clear
1	fair	fair	fair	qualitative agreement	some own input	average	average
<i>></i>	gocd	good	(g000)	quantitative agreement	+ some interesting results	some aspects above average	some aspects well-dene
	detailed demonstrative	quite detailed, correct	or multitude of parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative
85	and comprehensitie, ows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated

DIS	CUSSION WITH OPP	ONENT	
relevant arguments/responses		reporter's conduct in the discussion	
0	too few	poor/aggressive	
^	sofme	partly fine	
C) നുണ്യ	(bood)	
2	+ cata/theory supported	some aspects efficient	
3	proved deep understanding	overall efficient	

	ANSWERS TO JURY,		
	OPPONENT, and		
ı	REVIEWER'S QUESTIONS		
	0	concise and correct or no questions asked	
	1	some incorrect, inconclusive or too long	
-	-2	deeply incorrect or shows deep miscoceptions	

NOTES:



QJ	ESTIONS ASKED
0	too few, most y irrelevant
	relevant, aimed at resolving unclear points in the report
6	+ short, apt and clear, well
41	prioritised, all time use:

2	prioritised, all ti
NOTE	S:

OPPO	SITION (SPEECH)			
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
0	almost nothing_	almost none	too few	poor
1 .	some main points	too few/many	some	reasonable
0	mein goints	partially relevant	some correct	®
į .	all relevant points	mostly relevant	many correct	efficient
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used

DISC	DISCUSSION WITH REPORTER				
	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	almost none	too few	poor/aggressive		
1	too few/many	some	some aspects fine		
\bigcirc	partiall@evant	some correct	good		
2	mostly relevant	many correct	scme aspects efficient		
4	+ well prioritised	+ improvement suggestions	overall efficient		

		
ANSWERS TO JURY and		
REVIEWER'S QUESTIONS		
concise and correct or no questions asked		
some incorrect, inconclusive or too long		
deeply incorrect or shows deep misconceptions		

REVIEWER	Start from 1 and add/sul	btract	
1 +0,5	- \$7+ a5+	① ±	 =4

QUE.	STIONS ASKED	R
1	too few, mostly irrelevant	
0	relevant, meant to clarily unclear points	er
Ī	+ suitably allorted to Rep & Opp, most time used	(
ı	+ short, apt and clear, well prioritised, time managed efficient v	3
41		

REVIEW OF REPORT			
_	evaluation & understanding	pros & cons pri <u>oritis</u> ation	
0	poor/wrong	(Trolleyan)	
0	superficial	partially relevant/correct	
0	good	mostly correct/prioritised	
3	apt, accurate	fully adequate, well prioritised	

REVIE	W OF OPPOSIT	TION	
	speech evaluation	pros & cons prioritisation	
0	poor/wrong	ir(elevant	
	superficial	partially relevant/correct	
100	good	mostly correct/prioritised	
Z	apt & accurate	fully adequate, well prioritised	

CUSSION AN	ALYSIS	MISSED F
discussion evaluation	correct own opinions	POINTED
poor	irrelevant	irre
superficial	some	nor
relevant parts	many	9
accurate, convinicing	fully adequate	rele con
	discussion evaluation poor superficial relevant parts accurate,	evaluation opinions poor irrelevant superficial some relevant parts many accurate, fully

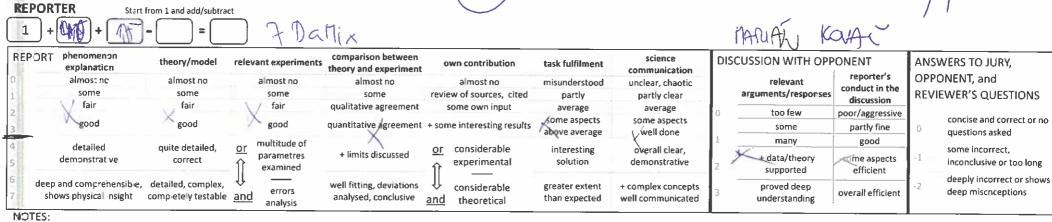
ED POINTS	ANSW	/ERS TO JURY
TED OUT	QUES	TIONS
irrelevant	ĝ)	concise and correct or no questions asked
none	*	some incorrect, inconclusive or too long
relevant, constructive	2:	deeply incorrect or show deep misconceptions

NCTES:



F2/1

HIC



OPPONENT Start from	n 1 and add/subtract	D7 avo	s Prod			MARZIV	narawed!	<
QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPO	RTER		ANSWERS TO JURY and
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	REVIEWER'S QUESTIONS
unclear points in the report	almost nothing	almost none	too few	poor	0 almost none	too few	poor/aggressive	questions asked
+ short, apt and dear, well	1 some main points	too few/many	some	reasonable	1 too few/many	some	some aspects fine	
prioritised, all time usec	2 main points	partially relevant	some correct	fair	partially relevant	ome correct	good	some incorrect,
prioritises, an all e usec	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	inconclusive or too long
NOTES:	4 practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4 + well prioritised	+ improvement suggestions	overall efficient	deeply incorrect or shows deep misconceptions

IEWER Start from 1 and add/s	subtract								
+ 0 + 0 + 0 + 0 + 0 + 0	<u></u> ±	= 4	(37776S		F	ICAP		
STIONS ASKED	REVIEW OF REPORT		REV	VIEW OF OPPOSIT	ION	DISCUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, most y irrelevant	evaluation & understanding	pros & cons prioritisation		speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or no
• ' '	0 poor/wrong	irrelevant	0	poor/wrong	irrelevant	O poor	irrelevant	. Irrelevant	questions asked
most time used	1 superficial	partially relevant/correct		superficial	partially relevant/correct	superficial	some	none none	some incorrect,
+ short and and a ear well prioritised	2 good	mostly correct/prioritised	1	good	mostly correct/prioritised	relevant parts			inconclusive or too long
time managed efficiently	apt, accurate	fully adequate, well prioritised	2	apt & accurate	fully adequate, well prioritised	accurate, convinicing	fully adequate	relevant, constructive	deeply incorrect or shows deep misconceptions
	+ COD	## ## ## ## ## ## ## ## ## ## ## ## ##	## ## ## ## ## ## ## ## ## ## ## ## ##	### ### #### #########################	STIONS ASKED too few, most y irrelevant relevant, meant to clarify unclear points + suitably allottee to Rep & Opp, most time used + short, apt and clear, well prioritised, time managed efficiently TEVIEW OF REPORT evaluation & pros & cons prioritisation poor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised fully adequate, apt accurate	STIONS ASKED too few, most y irrelevant relevant, meant to clarify unclear points + suitably allottec to Rep & Opp, most time used + short, apt and clear, well prioritised, time managed efficiently The standard of the st	**STIONS ASKED too few, most y irrelevant relevant, meant to clarify unclear points + suitably allotice to Rep & Opp, most time used + short, apt and clear, well prioritised, time managed efficiently **Total Process **Total Process **Total Process **REVIEW OF OPPOSITION **REVIEW OF OPPOSITION **Speech pros & cons prioritisation **Proor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised **Speech pros & cons prioritisation **Proor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised **Superficial partially relevant/correct good mostly correct/prioritised time managed efficiently **Total Process **Total Process **Proof Popposition **Speech pros & cons prioritisation **Proor/wrong irrelevant superficial partially relevant/correct good mostly correct/prioritised accurate, fully adequate, apt & accurate fully adequate, apt & accurate provincing accurate, convincing and accurate provincing and accur	## ## ## ## ## ## ## ## ## ## ## ## ##	## ## ## ## ## ## ## ## ## ## ## ## ##

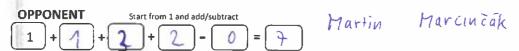
Tomas Luciyauss'

Problem 15

REPORTER Start from 1 and add/subtract

Marian Koval

PORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and
	some	some	some	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTION
	farr	fair	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive	
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	concise and correct questions asked
	detailed	avita datallad	multitude of		S			1 many	good	ľ
	demonstrative	quite detailed, correct	or parametres examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory 2 supported	some aspects efficient	some incorrect, inconclusive or too l
•	and comprehensible, ws physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	deeply incorrect or s deep miscnceptions



QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well

prioritised, all time used

OPPO	OSITION (SPEECH)			
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
0	almost nothing	almost none	too few	poor
1	some main points	too few/many	some	reasonable
2 .	main points	partially relevant	some correct	fair
3 .	all relevant points	mostly relevant	many correct	efficient
3 44	practically all points	+ well prioritised	+ improvement suggestions	+ all time used

DISC	DISCUSSION WITH REPORTER								
	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion						
0	almost none	too few	poor/aggressive						
1	too few/many	some	some aspects fine						
2	partially relevant	some correct	good						
5	mostly relevant	many correct	some aspects efficient						
4	+ well prioritised	+ improvement suggestions	overall efficient						

	ANSWERS TO JURY and
ı	REVIEWER'S QUESTIONS
	concise and correct or no questions asked
	some incorrect, inconclusive or too long
ı	deeply incorrect or shows deep misconceptions

DEVIEWED		_ 0	
REVIEWER	Start from 1 and add/subtract $\begin{array}{cccccccccccccccccccccccccccccccccccc$	Eilip	Sluk
1 + 0 +	+ Z + 7 + 0 ± U - 9 = 4		

่ฉเ	JESTIONS ASKED
4	too few, mostly irrelevant
	re evant, meant to clar fy unclear points
1	+ suitably allotted to Rep & Opp, most time used
N	+ short, apt and clear, well prioritised, time managed efficiently

evaluation & understanding	pros & cons prioritisation
poor/wrong	irrelevant
superficial	partially relevant/correct
good	mostly correct/prioritised
apt, accurate	fully adequate, well prioritised

REV	IEW OF OPPOSIT	ΓΙΟΝ
	speech evaluation	pros & cons prioritisation
0	poor/wrong	irrelevant
	superficial	partially relevant/correct
1	good	mostly correct/prioritised
	apt & accurate	fully adequate, well prioritised

DIS	CUSSION ANA	ALYSIS	М
	discussion evaluation	correct own opinions	PC
	poor	irrelevant	+1.
	superficial	some	12
	relevant parts	many	0
	accurate, convinicing	fully adequate	.1

ISS	ED POINTS	ANSWE
Ν	ITED OUT	QUEST
	irrelevant	(g) C
	none	s
	relevant.	i
	· · · · ·	d
	constructive	53.0

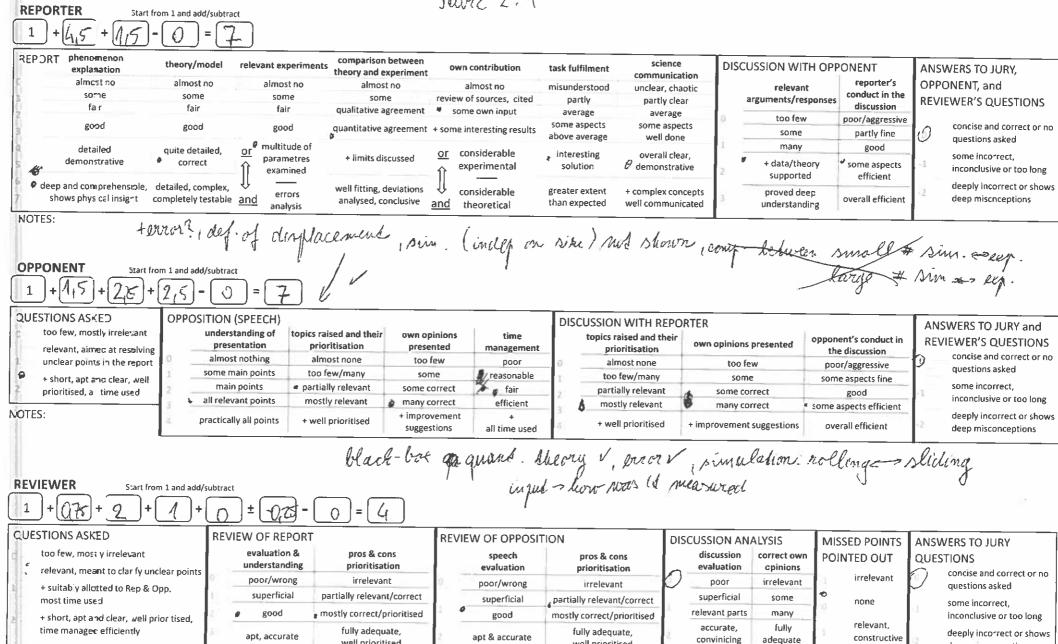
ERS TO JURY TIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or shows deep misconceptions

NOTES:

2. Fyzbaj, 1. Kolo Start from 1 and add/subtract REPORT phenomenon comparison between science theory/model DISCUSSION WITH OPPONENT relevant experiments ANSWERS TO JURY, own contribution task fulfilment explaration theory and experiment communication reporter's almost no OPPONENT, and almost no almost no almost no almost no misunderstood relevant unclear, chaotic conduct in the some some some arguments/responses some review of sources, cited partly partly clear REVIEWER'S QUESTIONS discussion far fair fair agualitative agreement some own input average average too few poor/aggressive some aspects some aspects concise and correct or no bcog good good wantitative agreement Some interesting results some partly fine above average well done questions asked multitude of many good deta led quite detailed. or considerable <u>or</u> interesting overall clear, some incorrect, + limits discussed parametres demonstrative + data/theory some aspects experimental solution demonstrative inconclusive or too long examined supported efficient deeply incorrect or shows deep and comprehensible. detailed, complex. well fitting, deviations greater extent considerable + complex concepts proved deep errors overall efficient deep miscnceptions shows phys cal insight completely testable and analysed, conclusive than expected well communicated and theoretical understanding analysis NOTES: Simulacie-) depends on fullness & friction Markin marcinea & **OPPONENT** Start from 1 and add/subtract QUESTIONS ASKED OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and understanding of too few, mostly irrelevant topics raised and their own opinions time topics raised and their apponent's conduct in REVIEWER'S QUESTIONS own opinions presented presentation prioritisation presented management prioritisation relevant, aimed at resolving the discussion concise and correct or no almost nothing almost none too few poor almost none unclear points in the report too few poor/aggressive questions asked some main points too few/many some reasonable too few/many some some aspects fine + short, apt and clear, vell some incorrect, main points partially relevant some correct fair partially relevant some correct good prioritised, all time used inconclusive or too long all relevant points mostly relevant many correct efficient mostly relevant many correct ome aspects efficient NOTES: deeply incorrect or shows + improvement practically all points + well prioritised + well prioritised + improvement suggestions overall efficient deep misconceptions suggestions all time used game engine serrore QUESTIONS ASKED REVIEW OF REPORT REVIEW OF OPPOSITION DISCUSSION ANALYS S MISSED POINTS **ANSWERS TO JURY** evaluation & too few, mosily irrelevant pros & cons discussion correct own speech pros & cons POINTED OUT QUESTIONS understanding prioritisation evaluation opinions evaluation prioritisation relevant, meant to clarify unclear points concise and correct or no irrelevant poor/wrong irrelevant irrelevant poor poor/wrong irrelevant questions asked + suitably allotted to Rep & Opp. superficial partially relevant/correct superficial some superficial partially relevant/correct most time used none some incorrect, 0 mos ly correct/prioritised relevant parts many good mostly correct/prioritised inconclusive or too long good + short, apt and clear, well prioritised. relevant, accurate, fully time managed efficiently fully adequate, fully adequate, deeply incorrect or shows apt, accurate apt & accurate constructive convinicing adequate well prioritised well prioritised deep misconceptions friction force-coeff of priction IYPT = November 2022

Please, suitably adjust your grades taking into regard the [1,10]

June 2.1



well prioritised

NOTES:

bransition pleasex, ballprolling

well prioritised

IYP3 - November 2022

deep misconceptions

Streda doobeda

	1	2
R	1. SG	Cross Product
0	GJARSob	GJH
r	Ва Міх	Poštová

Streda poobede

	1	2
R	Ba Mix	GJARSob
0	Cross Product	1. SG
r	Poštová	GJH

Štvrtok doobeda

	1	2
R	GJH	Poštová
0	Cross Product	1. SG
r	GJARSob	Ва Міх

Štvrtok poobede

	1	2
R	Ba Mix	Poštová
0	GJARSob	GJH
r	Cross Product	1. SG

Johas Luciujaush

1.56 REPORTER

Start from 1 and add/subtract 1 + 2 + 7 - 0 = 4

Gabriel BENO

1. Fyzboj

10 1000

TRC	phenomenon explanation	theory/model	relevant expe	eriments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,	
	almost no	almost no	almost	no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and	
	scme	some	some	•	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the	REVIEWER'S QUESTION	
	fair	fair	fair		qualitative agreement	some own input	average	average		01500551011		
	good	good	good	I	quantitative agreement	+ some interesting results	some aspects	some aspects		poor/aggressive	concise and correct o	
Ů						deminione objectivent	some interesting results	above average	well done	some	partly fine	questions asked
	detailed	quite detailed,	or multitue		. 10 - 21 - 10 - 1	or considerable	interesting	overall clear.	1 many	good	some incorrect.	
	demonstrative	correct	parame examin		+ limits discussed	1 experimental	solution	demonstrative	+ data/theory 2 supported	some aspects efficient	inconclusive or too lo	
•		detailed, complex, completely testable	and erro	rs	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	deeply incorrect or sl deep miscrceptions	

Karol Marinica OPPONENT Start from 1 and add/subtract

OPPOSITION (SPEECH)

QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving unclear points in the report + short, apt and clear, well

prioritised, all time used

understanding of presentation	topics raised and their prioritisation	own opinions presented	time management
almost nothing	almost none	too few	роог
some main points	too few/many	some	reasonable
main points	partially relevant	some correct	fair
all relevant points	mostly relevant	many correct	efficient
practically all points	+ well prioritised	+ improvement suggestions	+ all time used

topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
almost none	too few	poor/aggressive
too few/many	some	some aspects fine
partially relevant	some correct	good
mostly relevant	many correct	some aspects efficient
+ well prioritised	+ improvement suggestions	overall efficient

ANS	WERS TO JURY and
REVI	EWER'S QUESTIONS
0	concise and correct or no questions asked
-1	some incorrect, inconclusive or too long
-2	deeply incorrect or shows deep misconceptions

REVIEWER	Start from 1 and add/subtract	Mate.	7790
1 + 1	+2+1+1±0-1=5	7	0.0

QUE	STIONS ASKED
9	too few, mostly irrelevant
	relevant, meant to clarify unclear points
1	+ suitably allotted to Rep & Opp, most time used
2	+ short, apt and clear, well prioritised, time managed efficiently

evaluation & understanding	pros & cons prioritisation
poor/wrong	irrelevant
superficial	partially relevant/correct
good	mostly correct/prioritised
apt, accurate	fully adequate, well prioritised

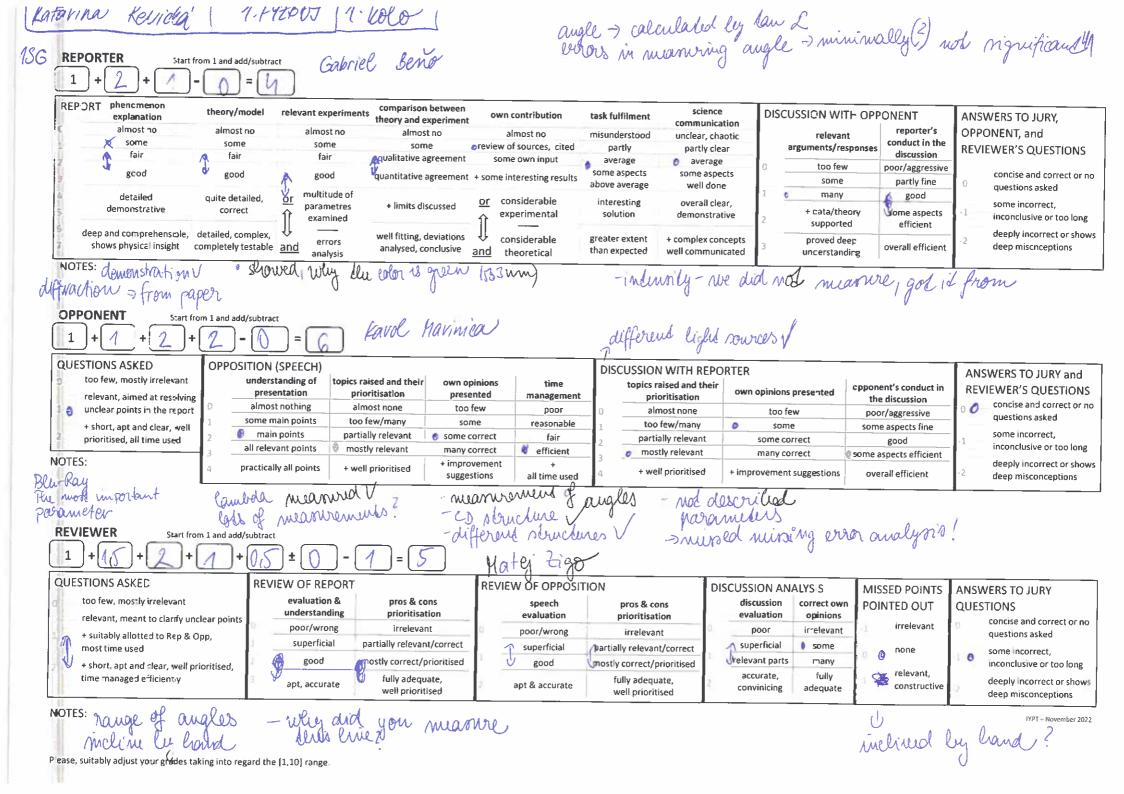
speech evaluation	pros & cons prioritisation
poor/wrong	irrelevant
superficial	partially relevant/correct
good	mostly correct/prioritised
apt & accurate	fully adequate, well prioritised

DIS	SCUSSION AN	ALYSIS	М
	discussion evaluation	correct own opinions	PC
	poor	irrelevant	-1
	superficial	some	=5
	relevant parts	many	:0
	accurate, convinicing	fully adequate	1

11556	ED POINTS	ANSW	ANSWERS TO JURY					
OIN'	TED OUT	QUES	TIONS					
	irrelevant	O.	concise and correct or no questions asked					
	none	-10	some incorrect, inconclusive or too long					
	relevant, constructive	-2	deeply incorrect or show deep misconceptions					

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UESTIONS	
concise and correct or no questions asked	
some incorrect, inconclusive or too long	

NOTES:

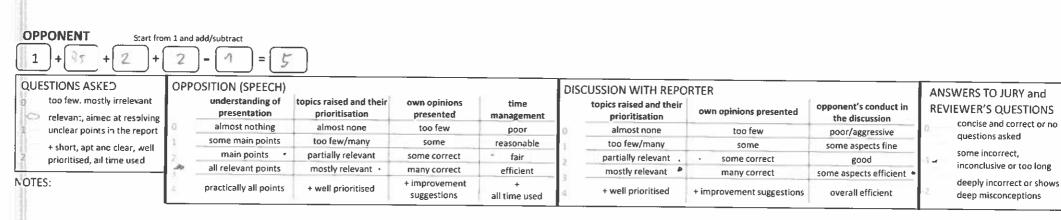






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ORT	prenomenon explanation	theory/model r	elevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,	
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant	reporter's	OPPONENT, and	
	some fair	some fair	some	some	review of sources, cited	partly	partly clear	arguments/responses	conduct in the discussion	REVIEWER'S QUESTIO	
		Tall	fair	qualitative agreement	some own input	average	average	0 too few	poor/aggressive		
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some	partly fine	concise and correct questions asked	
	detailed	quite detailed, 🝷 (or multitude of		or considerable	interesting .	overall clear,	the many	good -	-	
	demonstrative [correct	parametres examined	+ limits discussed	experimental	solution	demonstrative	+ data/theory supported	some aspects efficient	some incorrect, inconclusive or too	
	nd comprehensple, ws physical insight	detailed, complex, ' detailed, completely testable a	ind errors analysis	well fitting, deviations analysed, conclusive	considerable and theoretical	greater extent than expected	+ complex concepts well communicated	groved deep understanding	overall efficient	deeply incorrect or deep miscaceptions	



REVIEWER	Start from 1 and add/s	ubtract	
1 + 0/	+ 2 + 1 +	1 2 0 5 - [1 = 4
OLIECTIONIC ACK	ED.	DEVIEW OF BEDORE	

1	QUESTIONS ASKED	REV	EW OF REPORT		REV	IEW OF OPPOSIT	TON	DIS	CUSSION ANA	ALYSIS	MISS	SED POINTS	ANS	WERS TO JURY
- 2	too few, most y irrelevant relevant, meant to clar fy unclear points	9.	evaluation & understanding	pros & cons prioritisation	ı	speech evaluation	pros & cons prioritisation		discussion evaluation	correct own cpinions				STIONS concise and correct or no
	+ suitab y allctted to Rep & Opp, most time used + short, apt and clear, well prioritised,		poor/wrong	irrelevant	poor/wrong	irrelevant partially relevant/correct	0	poor	irrelevant	-1	irrelevant	Q	questions asked	
			superficial partially relevant/correct	superficial	superficial		1	superficial	some	n n	none	some incorrect, inconclusive or too long	some incorrect,	
- 2			good	mostly correct/prioritised	ioritised	good	mostly correct/prioritised •	2	relevant parts	many	relevant,		inconclusive or too long	
73.1	time managed efficiendy		apt, accurate	fully adequate, well prioritised	Ž	apt & accurate	fully adequate, well prioritised		accurate, convinicing	fully adequate		(2	deeply incorrect or shows deep misconceptions	