Science Olympiad — 2024 Science Olympiad National Codebusters Division B

Names of participants: (Please	e print neatly)				
School Name:				Team Number:	В
Warning: Do not open this particle. Note: There are useful notes a		to do so.			
Scoring: Time to solve first p	roblem:	(use to cal	culate Bonus below)		
Question	Value	Incorrect letters	Deduction	Score	
Timed	200				
1	184				
Timed Bonus	Timed:				

Final Score

Timed Question [200 points] A quote by Marcel Pagnol has been encoded using the Aristocrat Cipher for you to decode. When you have solved it, raise your hand so that the time can be recorded and the solution checked.

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	A	В	С	D	E	F	G	н	I	J	ĸ	L	М	N	0	P	Q	R	ន	т	υ	v	W	x	Y	Z
Frequency	2	2	7	3	4		3		2	1	6	4	1	8		7	3	1		1	2	3	8	1		10
Replacement																										

Team Number:_B____

1) [184 points] The following quote by Jane Smiley has been encoded with the Porta Cipher using a very common word for the key. The 27th through 31st cipher characters (VACTF) decode to be ANNAT

2	K	x	x	x	X	x	x	x	x x	x	x	3	K Z	x	x	:	x	x	x	x	3	x x	x	x	X	x	x	x	x	x	x	x

Х	x	x	x	x	x	x	x	x	x	x	X	X	x	x	:	X	x	x	x	x	x	x	x