

Instructions:

INTSO EDUCATION

APTITUDE TALENT SEARCH OLYMPIAD (ATSO) 2015 - 2016

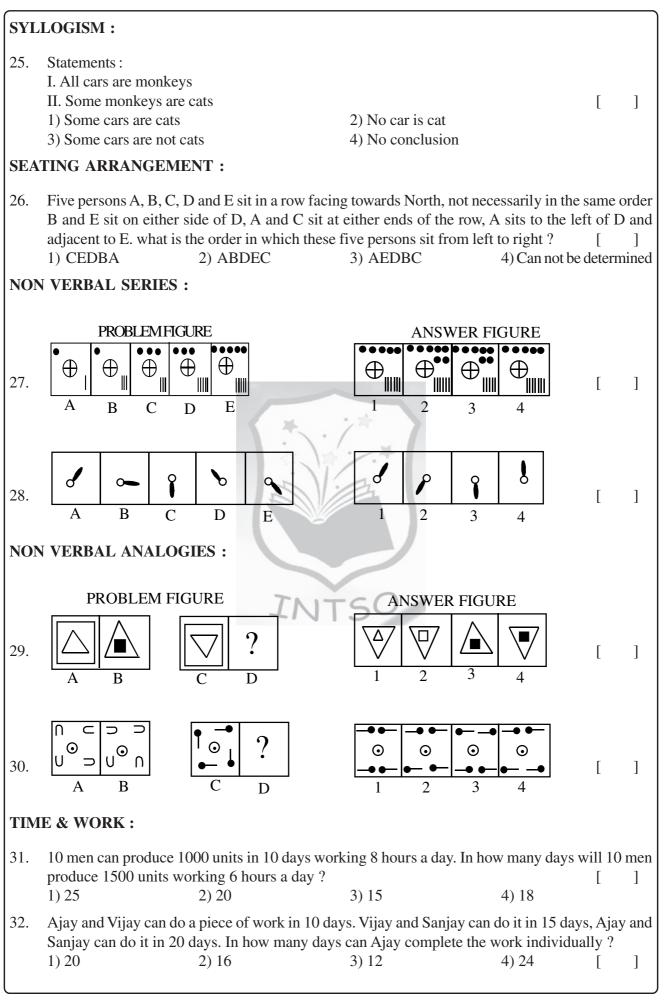
STAGE - 2 TIME : 60 min.
CLASS: X Max. Marks : 50

□	Fill the OMR sheet completely and carefully.					
\Rightarrow	Each question carries one mark and has only one correct answer. 1/4 (one fourth) marks will be					
		ing incorrect response of				
	The question paper of	contains 50 questions to	o be answered in 60 minu	ites.		
NUN	MBER SERIES:					
1.	8, 15, 24, 35,				[]
	1) 44	2) 46	3) 48	4) 50		
2.	31, 38, 49, 62, 79, 98				[]
	1) 196	2) 169	3) 144	4) 121		
NUN	MBER ANALOGIES	:				
3.	42:56::72:	* .	74		[1
	1) 81	2) 90	3) 92	4) 100	L	-
4.	25:37::49:	1/21			[]
	1) 41	2) 56	3) 60	4) 65		
LET	TER SERIES:					
5.	BMY, DNW, FOU, ?				[1
	1) GHO	2) GPS	3) HPS	4) HPT	-	-
6.	BZA, DYC, FXE, ?, .	JVI IN-	TSO		[]
	1) HUG	2) HWG	3) UHG	4) WHG		
7.	ABD, DGK, HMS, M				[]
	1) XKW	2) ZAB	3) ZKU	4) ZKW		
LET	TER ANALOGIES:					
8.	KMF: LLH:: RMS:	:?			[]
	1) SLR	2) SLU	3) SSU	4) SUS		
9.	Square : Diamond : : 0				[]
	1) Round	2) Oval	3) Ball	4) Smooth		
10.	Ruby: Red:: Sapphin		2) D1 1	4) D1	[]
	1) White	2) Red	3) Black	4) Blue		
COI	DING & DECODING					
11.	In a certain code, CO	MPATIBLE is written	as BQNPDDKAHS. How	v is STABILIS	ED wr	itten
	in that code?	a) ionimenmina	2) ICDUTCODIU	4) IODITE]
	1) TUBCJCDRHK	2) JCBUTEDIHM	3) JCBUTCDRHK	4) JCBUTEI	TIJM	

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	12.	PERIODICAL be written in that language?						
		1) PJSFQMBDJE	2) PJEFQMNBJE	3) QKTGRMBDJE	, -			
	13.	_	age, BOARD is written a	as EQBNC. How will the	e word CLIMB	be wr	itten	
		in that language ? 1) CLJKD	2) DKJLF	3) DNHMB	4) FNJRO	L]	
ľ	ODE	MAN OUT :						
	14.	1) Lion	2) Tiger	3) Fox	4) Deer			
	15.	1) Mumbai	2) Kandla	3) Cochin	4) Mysore			
	16.	1) Flute	2) Gitar	3) Sitar	4) Violin			
١	CLO	OCKS:						
	17.	The angle between the 1) 10°	hands of a clock when t 2) 20°	the time is 3 hrs 20 minu 3) 30°	tes 4) 40°]]	
	18.					e poss	sible]	
		1) 4 hrs $25\frac{5}{11}$ minute	2) 4 hrs $18\frac{2}{11}$ minute	3) Both 1 & 2	4) None			
	CALENDERS:							
	19.	Which day of the weel 1) Sunday	k was 27 th july 1980 2) Monday	3) Tuesday	4) Wednesday	[]	
	20.	15 th jan 1996 was frida 1) Friday	ay then which day was 2 2) Saturday	0 th july 1999 3) Sunday	4) Monday	[]	
	DIC	E:						
,	21.	The two positions of a	single dice in two throw	vs are shown below.				
		$\begin{bmatrix} 3 \\ 2 \end{bmatrix}$ $\begin{bmatrix} 6 \\ 1 \end{bmatrix}$ then v	which number is opposit	e to one		[]	
		1) 2	2) 3	3) 4	4) 5			
	22. In a standard dice for three dice the top numbers are 2, 3, 5 then what is the sum of the number which touch the ground.					bers		
		1) 7	2) 9	3) 11	4) 12	L		
	BLO	OOD RELATIONS:						
,	23.	A is the father of Y, w 1) Father	ho has a brother X, X's 2) Brother	mother is C. How is A i	related to C 4) Husband]]	
	24.	My mother's only brot	her's only sister's only cl	hild's son's wife related	to me as	[]	
		1) Wife	2) Daughter- in-law	3) Sister	4) My self			

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33.	If 2 men or 3 women c 6 women to complete t 1) 1	_	12 days, then how man 3) 3	y men should a	ccompany
34.	,	t as B. If B completes a	job in 60 days, then in h	,	can A and
	1) 24	2) 12	3) 18	4) 15	L J
TIM	E & DISTANCE:				
35.	A train travelling at a spanning a platform 350 m long a platform 350 m long a seconds		a pole in 9 seconds. What 3) 30 seconds	at time will it tal 4) 36 seconds	[]
36.	,	,	ng in 3 minutes. Find the	,	
37.		t a constant speed. If its same distance. Find the 2) 52 kmph	speed was 20 kmph mospeed of the car. 3) 40 kmph	ore, it would ha	ve taken 2
38.		astream at 15 kmph and d of the current in kmph 2) 3; 12	upstream at 7 kmph. fin respectively. 3) 4; 11	and the speed of the $4)11;4$	he man in
RAT	IO & PROPORTION	: .			
39.	•	0/	3: 2. If 10 white balls and 4. How many green ba 3) 6		
40.			is 4:3, and the ratio of is the ratio of their saving 3) 3:5	-	res is 5 : 4.
41.			oins in the ratio in the rate 20 paise coins are the 3) 300		
42.	-		and Kumar is 3:5:4. than the present age of F		
	1) 36 years	2) 30 years	3) 34 years	4) 35 years	
PER	CENTAGES:				
43.	Two candidates contested in an election. The candidate who got 45% of votes defeated by 321 votes. Find the total number of votes polled if no votes were invalid 1) 8025 2) 6420 3) 1605 4) 3210				
44.	,	2) 20% by what perce	ent should it be brought 3) 33.33%	down to bring 4) 37.5%	it back to
	1) 20 10	2,20,0	<i>3) 33.33 %</i>	1, 51.570	

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45.	45. The population of a city increases by 30% every year. If the present population is 3, 38, 000. What was the population of the city two years ago?						
	1) 3, 00, 000	2) 2, 50, 000	3) 2, 00, 000	4) 2, 40, 000			
46.	by 100% and the resol should vote "For" the	lution is to be passed by resolution?	a 2/3 rd majority, what p	number of votes increases ercentage of the new votes			
	1) 33 1/3%	2) 22 %	3) 53.33%	4) Cannot be determined			
PRC	PROFIT & LOSS						
47.	what price per kg shou	ald be sold?		t of 10% is to be earned, at			
	1) Rs.14.50	2) Rs. 13.20	3) Rs.15.10	4) Rs.16			
48.		les at the same price but is his overall profit or lo 2) 12 % loss	-	article and incurs 12% loss [] 4) 1.44% loss			
49.	installation and repairs		the machinery for Rs.1.	and incurs Rs.30, 000 on 00, 00, 000. What is his profit n?			
	1) 10% profit	2) 10% loss	3) $9\frac{1}{11}\%$ profit	4) $11\frac{1}{9}\%$ loss			
50.	Ramesh sold a book at 7%. What was the cos		it for Rs.85 more, he w	ould have made a profit of			
	a) Rs. 200	2) Rs. 300	3) Rs. 400	4) Rs. 500			

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