

INTSO EDUCATION

APTITUDE TALENT SEARCH OLYMPIAD (ATSO) 2015 - 2016

STAGE - 2 TIME : 60 min.

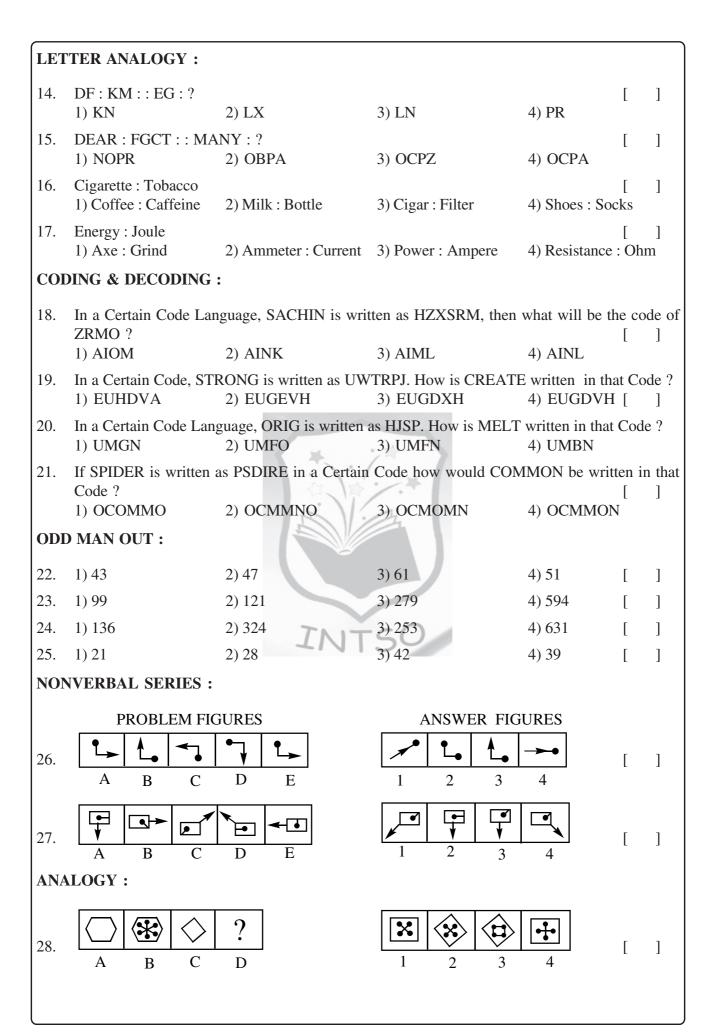
CLASS: VIII Max. Marks: 50

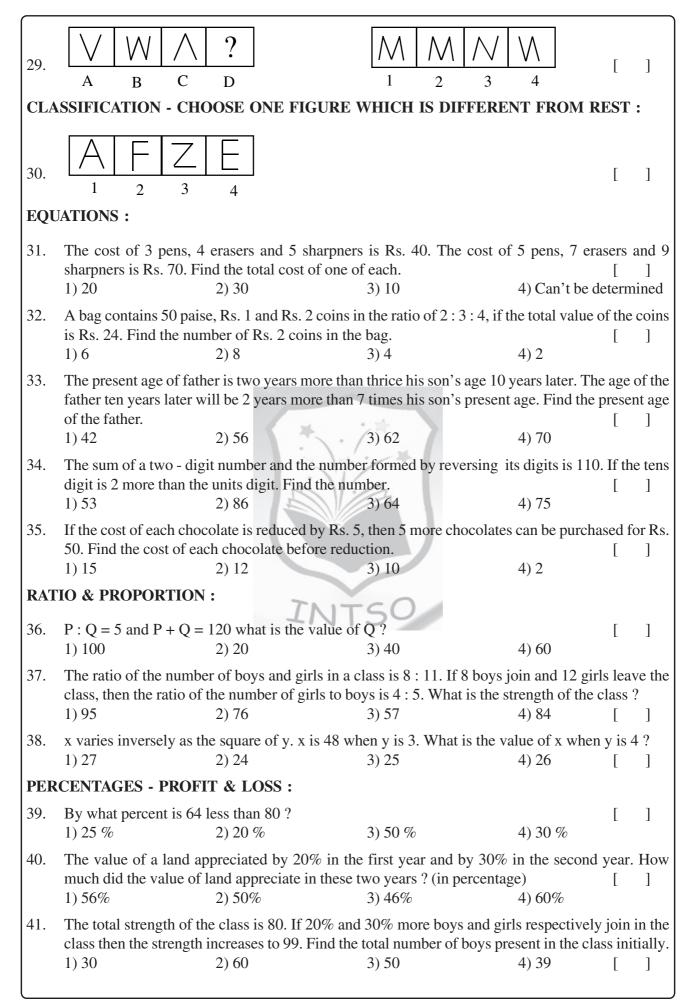
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In	Tri	ctio	nc.
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- \Rightarrow *Fill the OMR sheet completely and carefully.*
- Each question carries one mark and has only one correct answer. 1/4 (one fourth) marks will be deducted for indicating incorrect response of each question.
- *⇒ The question paper contains 50 questions to be answered in 60 minutes.*

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NUN	MBER SERIES:					
1	26, 27, 31, 40, 56, 1) 62	2) 64	3) 72	4) 81	[]
2.	2, 2, 3, 6, 15, 1) 30	2) 45	3) 60	4) 28	[]
3.	2, 12, 36, 80, 150, 1) 194	2) 210	3) 252	4) 258	[]
4.	5, 15, 65, 255, 1) 512	2) 1024	3) 1025	4) 510	[]
5.	6, 13, 27, 55, 111, 1) 128	2) 210	3) 181	4) 223	[]
LET	TER SERIES:					
6.	M 6R, J 8 N, G 11 J, I 1) A 20 B		3) A 21 B	4) A 23 B	[]
7.	AYD, BVF, DRH,1) FMI	2) GMJ	3) GLJ	4) HLK	[]
8.	A, G, L, P, S, 1) U		3) X	4) Y	[]
9.	BD, EH, IM, NS, 1) PZ	2) SZ	3) ZT	4) TZ	[]
NUN	MBER ANALOGY:					
10.	16:56::32:? 1)96	2) 112	3) 118	4) 128	[]
11.	8:28::27:? 1)55	2) 63	3) 34	4) 65	[]
12.	42 : 56 : : 110 : ? 1) 18	2) 132	3) 136	4) 140	[]
13.	8:520::9:? 1)710	2) 738	3) 343	4) 350	[]

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42.	A person purchases 45 j	pens for Rs. 1125 and sell	ls at 42 pens for Rs. 1134.	Find the profit p	percer	ntage.
	1) 10%	2) 8%	3) 7 \frac{3}{4}\%	4) $8\frac{1}{4}\%$	[]
43.	10%. At what percent of overall?	of profit should he sell th	s for Rs. 1800. One third he remaining fruits so as	to achieve a pro		
4.4	1)25%	2) 30%	3) 35%	4) 40%		
44.	If the cost price of six ap		g price of five apples, then 2.		ercen	ıtage.
	1) 20%	2) 25%	3) $16\frac{2}{3}\%$	4) $33\frac{1}{3}\%$	[]
45.	If the numerator of a fr	raction be increased by 1	15% and its denominator	be deminished	by 89	% the
	value of the fraction is	$\frac{15}{16}$. Find the original fr	raction?]]
	1) $\frac{5}{4}$	2) $\frac{3}{8}$	3) $\frac{3}{4}$	4) $\frac{5}{7}$		
MEN	NSURATION:					
46.		ingle are in the ratio 2: 1 of the Rectangle in cm. 2) $12\sqrt{2}$	and if its area is same as, is 3) $8\sqrt{2}$	s that of a square 4) $4\sqrt{2}$	e of s	side 8
47.	The number of revolut meters is	1	of 42 cm diameter in trav	velling a distand	ce of	1320
	1) 30	2) 300	3) 400	4) 1000		
48.	The sides of a triangle	are in the ratio $\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$. If the perimeter of a tria	angle is 13 cm. V	What i	is the
	length of the smallest s 1) 3	side (in cm) ? 2) 4	3) 5	4) 6	[]
49.		/ / IT	cm ² and its diameter is 2	•	ıme o	of the
	1)5000 cm ³	2) 6000 cm ³	3) 6500 cm ³	4) 6100 cm ³	L	1
50.	The volume of a cube (1) 64	(in cubic centimeters), who 2) 512	hose total surface area is 3) 128	384 square cent 4) 256	timete [ers, is
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