

STaRT-2012 SAMPLE TEST PAPER CLASS-VIII

Time : 90 min.

Maximum Marks : 200

GENERAL INSTRUCTIONS

- 1. he question paper contains 50 questions, 15 Questions from Mathematics (1-15), 10 questions from Physics (16-25), 5 questions from Chemistry (26-30), 5 questions from Biology (31-35), and 15 questions from Mental Ability (36-50).
- 2. The OMR sheet given in the examination hall is the Answer Sheet.
- 3. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
- 4. Do not forget to mention your roll number neatly and clearly in the blank space provided in the answer sheet.
- 5. Each Question carries 4 marks. '1' mark will be deduct for each wrong answer. So attempt each question carefully.
- 6. No rough sheets will be provided by the invigilators. All the rough work is to be done in the blank space provided in the question paper.
- 7. In case of any dispute, the answer filled in the OMR sheet available with the institute shall be final.

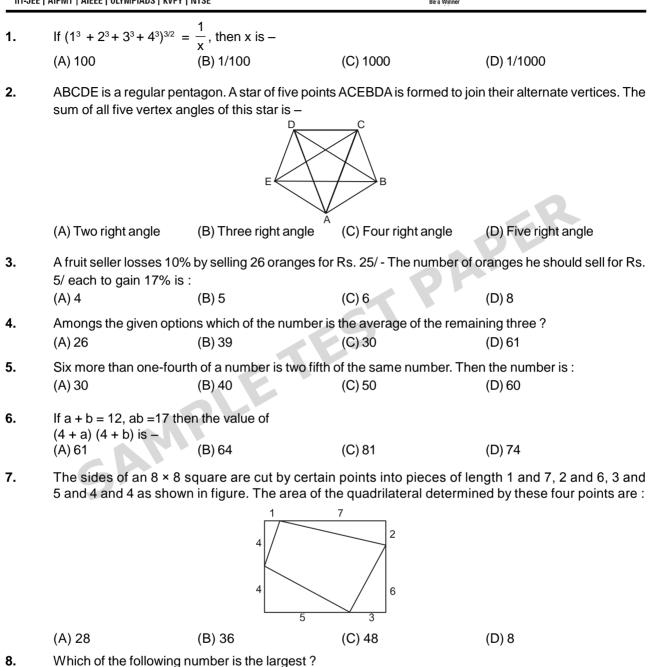
Name : _____

Roll No. : _____

Resonance Eduventures Pvt. Ltd.

Corporate Office: J-2, Jawahar Nagar Main, Kota (Rajasthan) - 324005, INDIA Tel.: +91-0744-3012222, 3192222, 2437144 | Fax: 022-39167222, 0744-2427144 Toll Free: 1800 200 2244 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in





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9.		er of boys is more th	an the number of girls by 12	2% of the total strength. The ratio
	of boys to girls is : (A) 11 : 14	(B) 14 : 11	(C) 25 : 28	(D) 28 : 25
10.	The mean weight of a	a class of 34 students	s is 46.5 kg. If weight of the te	eacher is included, the mean rises
	by 500 gm. Then the	weight of the teache	er is –	
	(A) 175 kg	(B) 62 kg	(C) 64 kg	(D) 72 kg
11.	In an examination, 92 (A) 550	2% of the candidates (B) 450	passed and 36 failed. How (C) 400	many candidates appeared ? (D) 500
12.	If width of a rectangle (A) 90 m ²	e is 4m less than its l (B) 30 m ²	ength and its perimeter is 33 (C) 60 m ²	2m, then the area of rectangle is (D) 120 m ²
13.	The perimeter of an i side is :	sosceles triangle is 2	28 cm. If one side is 8 cm, th	en the length of each of the equal
	(A) 20 cm	(B) 10 cm	(C) 12 cm	(D) 8 cm
14.	The angles of a trian (A) 90°, 60°, 30° (B) 7		: 2 : 1, then the angles are (C) 80°, 60°, 40°	(D) 70°, 60°, 50°
15.	Measure of x° in the	given figure is		
	(A) 60°	P ∧x [®]		
	(B) 70°			
	(C) 80° (D) 55°	9 50° RV 120°	S	
16.	Pressure varies with			
	(A) F (B) F ⁻¹		(C) F ²	(D) F ⁻²
17.	The unit of change in	momentum is :		
	(A) N × s	(B) N/s	(C) N	(D) $\frac{kgxs}{m}$
18.	The phenomenon du	e to which bottom of	a tank filled with water appe	ars raised is :
	(A) dispersion	(B) refraction	(C) reflection	(D) all of them

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19.	How many electrons constitute current of one										
	micro ampere in one se										
	(A) 6.25 × 10 ⁶	(B) 6.25 × 10 ¹²	(C) 6.25 ×10 ⁹	(D) 6.25 × 10 ¹⁵							
20.		cal sound depends upon:									
	(A) Amplitude	(B) Loudness	(C) Frequency	(D) Quality							
21.	A convex mirror has a produces an image at :	focal length of 10 cm. A	eal object is placed at a	distance of 10 cm from pole							
	(A) infinity	(B) 20 cm	(C) 10 cm	(D) 5 cm							
22.	The planet closest to the sun is :										
	(A) mars	(B) Jupiter	(C) mercury	(D) earth							
23.	The velocity of sound w	ave is maximum in		OV							
	(A) Gas	(B) Liquid	(C) Vacuum	(D) Copper							
24.	0,	red by radiation in the form									
	(A) mechanical waves (C) both (A) and (B)		(B) electromagnetic waves(D) none of these								
25.	A calorimeter full of hot	water is hang in vacuum	It will cool by :								
_0.	(A) convection	(B) radiation	(C) conduction	(D) Not cool at all							
26.	Tungsten is used in ele	ctric bulbs because -									
	(A) it has high melting p	point	(B) it is metallic in natu	re							
	(C) it has high tensile st	trength	(D) it has high density								
27.	Which of the following s	substances is added to p	etrol to improve its qualit	y ?							
	(A) Calcium carbonate		(B) Ethylene dibromide								
	(C) Tetraethyl lead		(D) Ethyl Mercaptan	D) Ethyl Mercaptan							
28.	Statement - 1 \rightarrow Graphite is used as an electrode in an electrolytic cell. Statement - 2 \rightarrow Graphite is an example of non-metal .										
	Choose the correct stat	tement :									
	(A) Statement 1 and 2 are true and statement 2 is the correct explanation of statement 1										
	(B) Statement 1 and 2 are true but statement 2 is not the correct explanation of statement 1.										
	(C) Statements 1 and 2 are false										
	(U)Statement 1 is true a	and statement 2 is false									





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29.		dening and C acts as a co	tion with air produces dazzling white flame, B is used in onductor with rise in temperature. Then A, B, C are – (B) metalloid, metal, and non-metal respectively (D) metal, non-metal, metalloid respectively					
30.	2	ands 'A' and 'B' formed are B' is Ca(HCO ₃) ₂ is Ca(OH)HCO ₃ and 'B' is Ca(HCO ₃) ₂		is dissolves on passing CO ₂ gas				
31.	Which among the follo (A) Euglena	wing is a connecting link (B) Virus	between living and non living ? (C) Fungi (D) Protozoa					
32.	(i) It contains a single la	statement is / are true fo arge vacuole /eloped and lies in center (B) (ii) and (iii)	(ii) Outer most boundary is plasma membrane					
33.	Virus contains (A) DNA only (C) RNA and DNA both	PLE	(B) RNA only (D) Either RNA or DNA but not both					
34.	"Master gland" of the b (A) Hypothalamus	ody is (B) Pituitary	(C) Adrenal	(D) Pancreas				
35.		 a causative agent and ma 1. Bacteria 2. Fungus 3. Virus 4. Plasmodium - 4 		nt. v - 1				

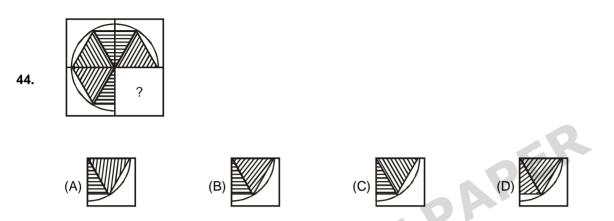
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Direct	ions : (36 to 38) Find the	e missing terms :		
36.	55, 210, ?, 820, 1275 (A) 465	(B) 420	(C) 410	(D) 515
36.	BYCXA, EVFUD, HSIR (A) MNLOL (C) QJRIP	G, KPLOJ, ? (B) NMOLM (D) PKQJO		
38.	A ? D B 35 C D 189 E			PER
	(A) 64	(B) 65	(C) 66	(D) 67
39.	If RED is written as 24 (A) 59	and GREEN is written as (B) 45	44 then WHITE will be w (C) 60	vritten as: (D) 65
Direct	ion : (40) Arrange the fo formed.	llowing group such that w	when arranged in a spec	ific order, meaningful word is
40.	D I F E R N 1 2 3 4 5 6			
	(A) 1,4,3,6,2,5	(B) 6,4,3,5,2,1	(C) 3,5,2,4,6,1	(D) 5,4,3,2,6,1
41.		which has 45 people. In en are infront of Ram, ho	•	en member is double than the
	(A) 10	(B) 9	(C) 8	(D) 7
42.		houses, A to E, in a row. A ch of the houses is in the	-	o the left of C and right of A;B
	(A) A	(B) B	(C) D	(D) E
43.		n, a person says to his frier n the photograph related		ghter of the elder brother of my
	(A) Niece	(B) Sister	(C) Aunt	(D) Sister-in-law



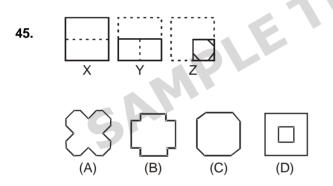




Direction : (44) In the following question, complete the missing portion of the given pettern by selecting from the given alternatives.



Direction : (45) A sheet has been folded in the manner as shown in X, Y and Z respectively and punched. You have to choose from the alternatives how it will look when unfolded.



Direction : (46) Find the month which is different from the others.

46. (A) April (B) May (C) July (D) September

- 47. How many squares are there in the figure?
 - (A) 5

(C) 7

- (B) 6
- (D) None of these

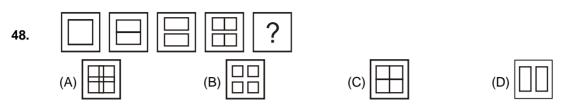




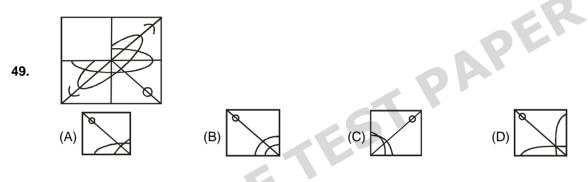
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Direction : (48) The figures in the question follow a series. Select the figure form the given alternatives which would continue the series.



Direction : (49) In the following question, complete the missing portion of the given pettern by selecting from the given alternatives.



50. If you are 15th in a queue starting from extreme end, how many persons are there in the queue? (A) 30 (B) 31 (C) 28 (D) 29

AN	R	W	Ш	R
	K – A			



Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	D	А	Α	В	В	С	В	Α	В	С	В	С	В	А	В
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	А	А	В	В	С	D	С	D	В	В	Α	С	В	D	D
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	В	В	D	В	В	Α	В	В	С	С	А	Α	Α	С	Α
Ques.	46	47	48	49	50										
Ans.	А	С	В	А	D										