



SAMPLE PAPER

Class : VII

Time allowed : 2 hours

Maximum Marks: 340

Please read the instructions in Question Booklet before answering the question paper.

INSTRUCTIONS

- 01. The question paper has '8' printed pages. Please ensure that the copy of the question paper you have received contains all pages.
- 02. Before starting the paper, fill up the required details in the blank space provided in the answer sheet.
- Write your name and Seven digit **Reg. No.** in the space provided at the top of this booklet. 03.
- The question paper consists of '85' objective type questions. Each question carry 4 marks and all of them 04. are compulsory.
- 05. Each question contains four alternatives out of which only ONE is correct.
- 06. There is **NEGATIVE** marking. 1 mark will be deducted for each wrong answer.
- 07. Indicate the correct answer for each question by filling appropriate bubble in your answer sheet.
- The answers of the questions must be marked by shading the circle against the question by dark **Black** 08. Ball point Pen only.
- 09. For rough work, use the space provided at the bottom of each page. No extra sheet will be provided for rough work and you are not supposed to bring the same.
- 10. Use of blank papers, clip boards, log tables, calculator, slide rule, mobile or any other electronic gadgets in any form is "NOT PERMISSIBLE".
- You must not carry mobile phone even if you have the same, give it to your Invigilator before commencement 11. of the test and take it back from him/her after the exam.
- 12. The Answer Sheet will be checked through computer hence the answer of the questions must be marked by shading the circles against the question by dark **Black Ball point Pen** only.

For example if only 'C' choice is correct then, the correct method for filling the bubble is



USEFUL DATA

Take $g = 10 \text{ m/s}^2$ wherever required.



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Q.1	On what factors does the radiation of heat dep (i) The temperature of the substance (ii) The colour of the substance (iii) Medium to transfer the energy (A) (i) and (ii) only (B) (ii) and (iii) only	pend? (C) (iii) and (i) only	(D) (i), (ii) and (iii)
Q.2	In many household articles we can find a mag	· / · / · ·	
Q.2	used in such places mainly to (A) facilitate frequent usage (C) make the article airtight	(B) ensure safety (D) make the article lo	
		(D) make the article is	
Q.3	Kinetic energy depends on :(A) position(B) velocity	(C) shape	(D) colour
Q.4	When do chemical reactions produce heat end (A) Energy required by reactants is more than (B) Energy required by reactants is less than the (C) Energy required by reactant is equal the end (D) All of the above	the energy used in the for he energy used in the for	rmation of products.
Q.5	Which of the following has the highest Potentia (A) 10 kg stone at a height of 20 m (C) 40 kg stone at a height of 5 m	al energy? (B) 100 kg stone at a (D) 30 kg stone at a h	•
Q.6	The filament of a bulb is usually a : (A) thin wire with many coils (B) thick wire with many coils (C) thin straight wire (D) thick straight wire.		
Q.7	Which of the following is a natural source of lig (A) Electric lamp (B) Electric filament	ght? (C) Torch light	(D) Sun
Q.8	The metal disc provided at one end of the cor (A) switch (B) positive terminal (C) negative terminal (D) spring	nmon cell is the	Metal disc
Q.9	A compass works : (A) only in oceans or seas (B) only on land, where the earth's magnetic fr (C) only on high mountains (D) at all places withing the earth's magnetic fr	-	
Q.10	It is easy to draw water from a well when the re (A) pulley adds more force (B) pulley decreases the weight of the bucket (C) pulley has a mechanical advantage of mor (D) pulley changes the direction of force		than drawing it directly. Because

Q.11	A boy held a book of 1 kg at a height of 1 metre for 60 seconds. Calculate the work done. (A) 60 J (B) 30 J (C) 15 J (D) 0
Q.12	The reading in the thermometer scale is made in(A) Degree Celsius(B) Degree Fahrenheit(C) Kelwin(D) None of these
Q.13	What is the kinetic energy of a ball of mass 500 g and moving with a speed of 2 m/s?(A) 4 J(B) 1 J(C) 1 N(D) 4 ergs
Q.14	A man runs at a constant speed of 3.2 m s ⁻¹ , then what distance does he cover? (i) 6.4 m in 2 seconds; (ii) 192 m in 1 minute; (iii) 32 cm in 1 second (A) (i) and (ii) only (B) (ii) and (iii) only (C) (iii) and (i) only (D) (i), (ii) and (iii)
Q.15	 When the same amount of force is applied : (A) a nail travels more distance than a screw into the wood board (B) screw travels more distance than the nail (C) both pierce the wood board to equal distance (D) none of the above
Q.16	Pashmina shawls are made from fur of(A) Kashmiri goat(B) Llama(C) Yak(D) Angora
Q.17	Which of the following materials is hard, opaque and shines when freshly cut ?(A) Rubber(B) Wood(C) Tin(D) Plastic
Q.18	Overhead cables ned not be insulated because : (A) air is a bad conductor of electricity (B) air is a good conductor of electricity (C) bare wires conduct electricity better than insulated wires (D) none of these
Q.19	 Filtration as a method of separation can be used for mixtures that are : (A) homogeneous and liquid-in-gas mixtures (B) heterogeneous and liquid-in-liquid mixtures (C) homogeneous and solid-in-liquid mixtures. (D) heterogeneous and solid-in-liquid mixtures
Q.20	Which of the following Venn diagrams shows the relationship between changes correctly?



Q.23	 Which of the following will be true for 'ash' that is obtained by burning wood in air ? (A) The properties of ash will be similar to wood (B) The properties of ash will be similar to air (C) The properties of ash will be different from both wood and air. (D) The properties of ash will be similar to both wood and air. 				
Q.24	Opaque objects : (A) reflect most of the (C) absorb most of the		(B) transmit most of th (D) are strong and ha	0	
Q.25	Reddish brown coatir (A) Oxygen (C) Water vapour	ng over the surface of iro	on is called Rust. It is for (B) Oxygen and wate (D) None of these		
Q.26	Which is the weakest (A) Citric	acid ? (B) Sulphuric	(C) Hydrochloric	(D) Nitric	
Q.27	Sand and water can b (A) decantation (C) sublimation	e separated by :	(B) sieving (D) magnetic separation	on	
Q.28	Identify the mixture fro (A) Oxygen	om the following. (B) Carbon dioxide	(C) Hydrogen	(D)Air	
Q.29	Clay is used for makin (A) opaque (C) a good conductor	ng pots and bricks becau of heat	ise it is (B) non- magnetic (D) easily moulded int	to different shapes	
Q.30		e, A is the unwanted con	0 0	solid B is very heavy. Their sizes blid b, which separaion method	
Q.31	Potato is a/an (A) annual	(B) binneal	(C) perennial	(D) fern	
Q.32	Soya beans are the ric (A) carbohydrates	hest source of (B) proteins	(C) fats	(D) roughage	
Q.33	Which of the followin (A) Groundnut and eg (C) Soya bean and gro	•	s? (B) Eggs and milk (D) Potatoes and rice		
Q.34	Mohan has a cup or ri missing in his meals? (A) Fats	ce, two chappatis, two v (B) Proteins	regetable curries and ghe	ee in his plate of means. What is (D) Water	
Q.35	The plants which grov (A) xerophytes	w on land but need very (B) pteridophytes	less amount of water are (C) hydrophytes	called (D) mesophytes	

Q.36	Rabbit is a anii (A) parasite	nal (B) autotroph	(C) herbivorous	(D) carnivorous
Q.37	proper functioning of	our body is		providing but still important for
	(A) protein	(B) carbohydrate	(C) vitamin	(D) fat
Q.38	Bleeding of gums is a (A) rickets	symptom of the disease (B) beri beri	(C) goitre	(D) scurvy
Q.39	Which part of the ban (A) Stem	ana plant is not used as a (B) Leaf	food ? (C) Flower	(D) Fruit
Q.40	For healthy teeth and l (A) iron	bones the following mine (B) calcium	eral is required (C) sodium	(D) magnesium
Q.41	Find the odd one out (A) Milk	(B) Curd	(C) Carrot	(D) Honey
Q.42	Glands in the walls of (A) amylase	the stomach secrete an e (B) trypsin	nzyme called (C) pepsin	(D) serotonin
Q.43	Which of the followin (A) Raw potato	g are not energy giving fo (B) Cooked rice	oods? (C)A slice of a fruit	(D) Groundnut
Q.44	Which of the followir (A) Leaves	ng are called food factorie (B) Stem	es of the plant ? (C) Roots	(D) Flowers
Q.45	The structural unit of a (A) atom (C) compound substa		(B) molecule (D) cell	
Q.46	Raju scored 16 marks	s of 25. Its fractional forr	n is	
	(A) $\frac{1}{25}$	(B) $\frac{16}{25}$	(C) $\frac{9}{25}$	(D) $\frac{25}{25}$
Q.47	The number which is	neither positive nor negat	ive is	
۰	(A) 1	(B) 5	(C) 0	(D) 10

Q.48 In the adjoining figure. it is given that D and E are the mid points of AB and AC respectively. If $\angle A = 80^\circ$, $\angle C = 35^\circ$, then $\angle EDB =$ _____



Q.49	$\left(\frac{x^{a}}{x^{b}}\right)^{c} \times \left(\frac{x^{b}}{x^{c}}\right)^{a} \times \left(\frac{x^{c}}{x^{a}}\right)^{a}$	$\left(\frac{b}{a}\right)^{b} = $		
	(A) 0	(B) 1	(C) –1	(D) 2
Q.50	Simplify $(a^3 - 2a^2 + a^2)$ (A) $2a^3 + 7a^2 + 6a - (C) 2a^3 - 4a^2 + 12a$		(B) 2a3 + 7a2 + 12a - (D) 2a3 - 4a2 + 6a - (D) 2a3 - 4a2 + (D) 2a3 - (D) 2a3	
Q.51	In a $\triangle ABC$, E is the m (A) 1 : 2	hidpoint of AC and G is t (B) 2 : 1	the centroid of the triang (C) 3 : 1	gle. Then BE : GE (D) 1 : 3
Q.52	12:3:x:1 value of	x is		
	(A) $\frac{1}{4}$	(B) 1	(C) 4	(D) 5
Q.53	Angles are measured i (A) compasses	n (B) protractor	(C) degrees	(D) centimetres
Q.54	Sum of two integers i (A)+14	s+62. If one of the integ (B)-14	the set of	is (D)+110
Q.55		ents meet at a point form	ning right angle they are	e said to be to each
	other. (A) parallel	(B) perpendicular	(C) equal	(D) none
Q.56	The value of $(512)^{\frac{-2}{9}}$	is		
	(A) $\frac{1}{2}$	(B) 2	(C) 4	(D) $\frac{1}{4}$
Q.57	1 0	True	, then which of the follow (B) p is True and q is (D) Both p and q are	
Q.58		f sample of 10 apples is each apple 10 g less. The (B) 54 g		that the weighing machine had of an apple is (D) 52 g
Q.59	Difference of $\frac{19}{25}$ and	$\frac{27}{25}$ is		
	(A) $\frac{9}{25}$	(B) $\frac{3}{25}$	(C) $\frac{8}{25}$	(D) $\frac{6}{25}$
Q.60	The mean of 10 obser (A) 25	vation is 25. If one obse (B) 20	rvation, namely 25, is do (C) 28	elected, the new mean is (D) 22

Q.61	In a $\triangle ABC$, if $AB^2 = I$ (A)A	$BC^2 + AC^2$, then the right (B) B	nt angle is at (C) C	(D) None
Q.62	In a $\triangle ABC$, if $\angle A = \angle A$ (A) 60°	$\angle B + \angle C$ then $\angle A =$ (B) 45°	(C) 90°	(D) none
Q.63	A man walked 3 km to (A) 5 km towards Eas (C) 8 km towards Nor	t	towards South. His pos (B) 3 km towards Sou (D) 5 km towards Sou	
Q.64	Express 0.0084 in scie (A) 84×10^{-4}		(C) 0.84×10^{-2}	(D) None
Q.65	How many cubes are r (A) 9 (B) 14 (C) 18 (D) 21	needed to make the soli	d below?	

Direction (Q.66 to 67) : In each of the following questions, five groups of letters are given. One of these groups is different from the other four. Find the odd one.

Q.66	(A) WHEAT	(B) TRAIN	(C) PROUD	(D) DRIVE
Q.67	(A)ADBEC	(B) FIGJH	(C) KNLOM	(D) PRTSQ

Direction (Q.68 to 69) : Choose the odd numeral pair/group in each of the following questions.

Q.68	(A) 1975 – 1579	(B) 3152 – 5321	(C) 4283 – 8432	(D) 7319 – 9731
Q.69	(A) 21 : 24	(B) 28 : 32	(C) 54 : 62	(D) 70 : 80

Direction (Q.71 and Q.72): In the figure, rectangle, square, circle and triangle represents the regions of wheat, gram, maize and rice cultivation respectively. On the basis of the figure answer the following quesitons.



Q.71	Which area is cultivated by rice only?				
	(A) 5	(B) 1	(C) 2	(D) 11	
0.72	Which area is an	ltivated by maize only	0		

Q.72 Which area is cultivated by maize only? (A) 10 (B) 2 (C) 3 (D) 4 Direction (Q.73 to 76) : In each of the following questions, five groups of letters are given. One of these groups is different from the other four. Find the odd one.

Q.73	(A) CALORIC	(B) DRUID	(C) LEVEL	(D) FRETFUL
Q.74	(A) LAHMQW	(B) HUTMCX	(C) CLOVIK	(D) IXMLBC
Q.75	(A) MOTXYZ	(B) GKRVWX	(C) PSBEFG	(D) ORNODF
Q.76	(A) STUTTER	(B) RESURRECT	(C) SURRENDER	(D) SUCCEED

Direction (Q.77): In the following questions, there is a relationship between the numbers / letters / figures on the left of the sign (: :). The same relationship exists to the right of the sign (: :), of which one is missing. Find the missing term from the alternatives.

Q.77	BEJQ : DGLS : :	: FINU : ?		
	(A) H L R Z	(B) H K P W	(C) H K R Z	(D) E H Q W

Directions (Q.78 to 80):- Find the missing term in the following series

Q.78	Z, S, W, O, T, K, Q, O (A) N, C	G, ?, ? (B) N, D	(C) O, C	(D) O, D
	(),	(-),-	(-)-;-	(-) -; -
Q.79	AI, BJ, CK, ? (A) DL	(B) DM	(C) GH	(D) LM
Q.80	0.5, 1.5, 4.5, 13.5, ((A) 9) (B) 11	(C) 13	(D) 40.5

Q.81 Choose the venn diagram which best relates apples, oranges, mangoes.



Direction (Q.82 to 84) : Find the missing term in the following series.

Q.82	1, 6, 15,, 45, 66, 91					
	(A) 27	(B) 28	(C) 25	(D) 26		
Q.83	80, 40, 20,, 5 (A) 90	(B) 30	(C) 10	(D) 60		
Q.84	11, 10,, 100, 1001, (A) 101	1000, 10001 (B) 110	(C) 111	(D) None of these		

Direction (Q.85) : In each of the following questions, five groups of letters are given. One of these groups is different from the other four. Find the odd one.

Q.03 (A) EDCDA (D) I ONWE (C) UISKQ (D) I AV	Q.85	(A) EDCBA	(B) PONML	(C) UTSRQ	(D) YXWV
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b

ANSWER KEY

Class : VII

Q.30 B

SAMPLE PAPER

Q.1	D	Q.31	В	Q.61	С
Q.2	А	Q.32	В	Q.62	С
Q.3	В	Q.33	D	Q.63	D
Q.4	В	Q.34	В	Q.64	В
Q.5	D	Q.35	А	Q.65	С
Q.6	А	Q.36	С	Q.66	D
Q.7	D	Q.37	С	Q.67	D
Q.8	С	Q.38	D	Q.68	А
Q.9	D	Q.39	В	Q.69	С
Q.10	D	Q.40	В	Q.70	В
Q.11	D	Q.41	С	Q.71	В
Q.12	В	Q.42	С	Q.72	С
Q.13	В	Q.43	С	Q.73	D
Q.14	А	Q.44	А	Q.74	С
Q.15	В	Q.45	D	Q.75	D
Q.16	А	Q.46	В	Q.76	D
Q.17	С	Q.47	С	Q.77	В
Q.18	А	Q.48	D	Q.78	А
Q.19	D	Q.49	В	Q.79	А
Q.20	D	Q.50	С	Q.80	D
Q.21	В	Q.51	С	Q.81	А
Q.22	А	Q.52	С	Q.82	В
Q.23	С	Q.53	С	Q.83	С
Q.24	А	Q.54	D	Q.84	А
Q.25	В	Q.55	В	Q.85	D
Q.26	А	Q.56	D		
Q.27	А	Q.57	В		
Q.28	D	Q.58	А		
Q.29	D	Q.59	С		

Q.60 A