

**Sample Paper**  
**X to XI Moving**

**Time: 2 Hours | Max. Marks: 100**

**घर के पास  
सफलता और संस्कार**

- Answers are to be given in the separate **OMR** sheet.
- Don't break the seal unless you're instructed to do so. If the seal is broken before the scheduled time, penalty will be minus 10 marks.
- There are **100 questions** in this test paper. All questions are compulsory. Questions numbered **1 to 20** belong to **Science**, **21 to 35** pertain to **Mathematics**, **36 to 50** belong to **Social Science** and **50-100** are on **Mental Ability**.
- Please ensure that the question paper you have received contains all the questions in each section and pages. If you find any mistake like missing question or pages then contact the invigilator, immediately.
- Please follow the instructions given on the OMR sheet for marking the answers.
- Write your nine-digit registration number, allotted to you in the admit card, clearly on the test-booklet.
- Rough work can be done anywhere in the booklet but not on the OMR sheet /loose paper.
- Each **correct answer** will be awarded **one mark**.
- There is **no negative marking**.
- Please return, only the OMR sheet to the invigilator, after the test.
- Use black/blue ball point pen only provided in the examination hall.
- Write your registration number very clearly (only one digit in one block) on this booklet.
- Answer each question, by darkening the correct alternative among the four choices on the **OMR Sheet** as shown below.

Correct way:

Q.No.	Alternatives			
1	1	2	●	4
Q.No.	Alternatives			
1	⊗	2	3	4

Wrong way:

- Since the time allotted for this question paper is very limited and all questions carry equal marks, you should make the best use of it by not spending too much time on one question. Time permitting, you can come back to the question, which you have left in the first instance and try them again.
- Use of whitener/white fluid, is strictly prohibited, on the OMR sheet, for changing the answer.

**Note: Please turn over the page and start answering only after you are asked to do so.**

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qualified

✓ **3** in top 200  
in JEE(Adv) '23

✓ **5** in top 500  
in JEE(Adv) '23

✓ **14** in top 5500  
in JEE(Adv) '23

**NEET(UG) '23:**  
74 out of 185  
qualified

✓ **3** Above 635  
in NEET(UG) '23

✓ **7** Above 600  
in NEET(UG) '23

✓ **10** Above 99%ile in Physics  
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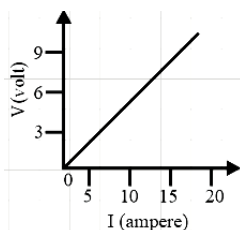
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## Scholastic Aptitude Test (SAT)

01. An electric bulb allows a maximum current of 62.5 mA, when it is operated at 240 V. Calculate its wattage.

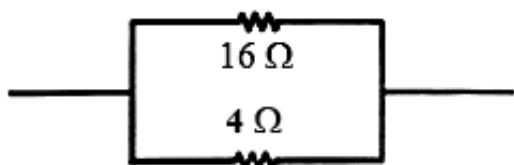
- (1) 15 watt (2) 30 watt  
(3) 40 watt (4) 60 watt

02. The resistance whose V-I graph is given below is



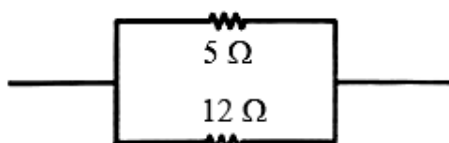
- (1)  $\frac{5}{3}\Omega$  (2)  $\frac{3}{5}\Omega$  (3)  $\frac{5}{2}\Omega$  (4)  $\frac{2}{5}\Omega$

03. In the adjoining circuit, the power dissipated across  $16\Omega$  resistance is 3 watt. Find the power delivered across  $4\Omega$  resistance.



- (1) 2 watt (2) 4 watt  
(3) 16 watt (4) 12 watt

04. In the adjoining circuit, the power delivered in  $8\Omega$  resistor is 9 watt. What is the power dissipated in  $12\Omega$  resistor.



- (1) 2 watt (2) 4 watt  
(3) 6 watt (4) 8 watt

05. Two lamps, one rated 40 W – 240 V and the other 60 W – 240 V are connected in parallel to 240 V supply. What current is drawn from the supply line?

- (1) 0.216 A (2) 0.416 A  
(3) 0.616 A (4) 0.816 A

06. The power of a concave lens is  $-2D$ . Find its focal length

- (1) 0.3 m (2) 0.4 m  
(3) 0.5 m (4) 0.6 m

07. Two thin lenses of power  $+5D$  and  $-3D$  are placed in contact. Find the power of the combination.

- (1)  $+1D$  (2)  $+2D$   
(3)  $+3D$  (4)  $+4D$

08. Aluminium is used for making cooking utensils. Which of the following properties of aluminium are responsible for the same?

- (i) Good thermal conductivity  
(ii) Good electrical conductivity  
(iii) Ductility  
(iv) High melting point

- (1) (i) and (ii) (2) (i) and (iii)  
(3) (ii) and (iii) (4) (i) and (iv)

09. When Ag is exposed to air it gets a black coating of

- (1)  $AgNO_3$  (2)  $Ag_2S$   
(3)  $Ag_2O$  (4)  $Ag_2CO_3$

10. In terms of acidic strength, which one of the following is in the correct increasing order?

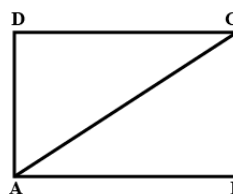
- (1) Water < Acetic acid < Hydrochloric acid  
(2) Water < Hydrochloric acid < Acetic acid  
(3) Acetic acid < Water < Hydrochloric acid  
(4) Hydrochloric acid < Water < Acetic acid

11. Tomato is a natural source of which acid?

- (1) Acetic acid (2) Citric acid  
(3) Tartaric acid (4) Oxalic acid

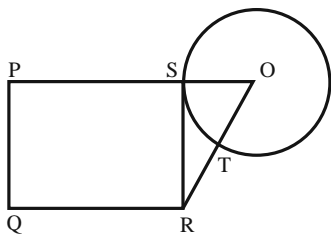
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12. Which of the following are exothermic processes?  
 (i) Reaction of water with quick lime  
 (ii) Dilution of an acid  
 (iii) Evaporation of water  
 (iv) Sublimation of camphor (crystals)  
 (1) (i) and (ii)      (2) (ii) and (iii)  
 (3) (i) and (iv)      (4) (ii) and (iv)
13. Which property of metals is used for making bells and strings of musical instruments like Sitar and Violin?  
 (1) Sonorousness      (2) Malleability  
 (3) Ductility      (4) Conductivity
14. What is formed when zinc reacts with sodium hydroxide?  
 (1) Zinc hydroxide and sodium  
 (2) Sodium zincate and hydrogen gas  
 (3) Sodium zinc-oxide and hydrogen gas  
 (4) Sodium zincate and water
15. How many X chromosomes are present in a male?  
 (1) 0      (2) 1      (3) 2      (4) 4
16. The embryo gets nutrition from the mother's blood with the help of a special tissue called  
 (1) Uterus      (2) Placenta  
 (3) Ovary      (4) All of these
17. Dialysis is meant for which of the following organ?  
 (1) Kidney      (2) Gall bladder  
 (3) Lung      (4) Liver
18. A reflex arc in man is best described as movement of stimuli from:  
 (1) Receptor cell → Sensory neuron → Relaying neuron → Effector muscles  
 (2) Receptor cell → Efferent nerve → Relaying neuron → Muscles of the body  
 (3) Receptor cell → Spinal cord → Motor neuron → Relaying neuron  
 (4) Receptor cell → Synapse → Motor neuron → Relaying neuron
19. Chemical messengers are  
 (1) Hormones      (2) Enzymes  
 (3) Vitamins      (4) Nucleic acids
20. Absorption of water from the soil through the roots is increased when:  
 (1) Transpiration is increased  
 (2) Photosynthesis is increased  
 (3) Respiration is increased  
 (4) Transpiration is decreased
21. Two circles of radii 1 cm, intersect such that the circumference of each one passes through the centre of the other. what is the area of the intersecting region?  
 (1)  $\frac{\pi}{3} - \frac{\sqrt{3}}{4}$       (2)  $\frac{2\pi}{3} + \frac{\sqrt{3}}{2}$   
 (3)  $\frac{4\pi}{3} + \frac{\sqrt{3}}{2}$       (4)  $\frac{2\pi}{3} - \frac{\sqrt{3}}{2}$
22. What is the distance in cm between two parallel chords of lengths 32 cm and 24 cm in a circle of radius 20 cm?  
 (1) 1 or 7      (2) 2 or 14  
 (3) 4 or 28      (4) 3 or 21
23. The length of a ladder is exactly equal to the height of the wall it is leaning against. If lower end of the ladder is kept on a stool of height 3m and the stool is kept 9m away from the wall, the upper end of the ladder coincides with the top of the wall. Then the height of the wall is  
 (1) 12 m      (2) 15 m  
 (3) 18 m      (4) 11 m
24. In the adjoining figure  $AC + AB = 5AD$  and  $AC - AD = 8$ . Then the area of the rectangle ABCD is  
 (1) 36  
 (2) 50  
 (3) 60  
 (4) Cannot be answered



Space for rough work

25. PQRS is a square. SR is a tangent (at point S) to the circle with centre O and  $TR = OS$ . Then the ratio of area of the circle to the area of the square is



- (1)  $\frac{\pi}{3}$     (2)  $\frac{11}{7}$     (3)  $\frac{3}{\pi}$     (4)  $\frac{7}{11}$
26. If  $\alpha$  &  $\beta$  are the zeros of the quadratic polynomial  $f(x) = x^2 - px + q$ , then find the value of  $\alpha^2 + \beta^2$
- (1)  $2p^2 - 2q$                       (2)  $p^2 - 2q$   
 (3)  $4p^2 - 2q$                       (4)  $p - 2q^2$
27. Find the value(s) of k for which the system of equations

$$\begin{aligned} kx - y &= 2 \\ 6x - 2y &= 3 \end{aligned}$$

have unique solution.

- (1)  $k \neq 3$                       (2)  $k = 3$   
 (3)  $k = 4$                       (4)  $k \neq 2$

28. Find the value(s) of k for which the equation  $x^2 + 5kx + 16 = 0$  has no real roots

- (1)  $-\frac{5}{3} < k < \frac{5}{8}$                       (2)  $-\frac{8}{3} < k < \frac{8}{3}$   
 (3)  $-\frac{8}{5} < k < \frac{8}{5}$                       (4)  $-\frac{3}{8} < k < \frac{3}{8}$

29. Find the number of natural numbers between 101 and 999 which are divisible by both 2 and 5.

- (1) 72    (2) 82    (3) 99    (4) 89

30. The sum of first n terms of an A.P. is  $5n^2 + 3n$ . If its mth term is 168, find the value of m.

- (1) 17    (2) 11    (3) 14    (4) 16

31. If two vertices of an equilateral triangle be  $(0, 0)$ ,  $(3, \sqrt{3})$ , then the third vertex is

- (1)  $(2\sqrt{3}, 0)$  or  $(3, \sqrt{3})$   
 (2)  $(0, 2\sqrt{3})$  or  $(3, -\sqrt{3})$   
 (3)  $(2, 2\sqrt{3})$  or  $(6, 2\sqrt{3})$   
 (4)  $(2, -2\sqrt{3})$  or  $(-6, 2\sqrt{3})$

32. If  $\theta$  is an acute angle, then the value of  $\sec \theta$  will be

- (1)  $\sec \theta = 1$                       (2)  $\sec \theta < 1$   
 (3)  $\sec \theta > 1$                       (4) Both (1) & (3)

33. In a triangle ABC if  $\angle A$  &  $\angle B$  are complementary then  $\tan C$  is

- (1) 0                                      (2) undefined  
 (3) 1                                      (4)  $\frac{1}{\sqrt{3}}$

34.  $(1 + \cot \theta - \operatorname{cosec} \theta)(1 + \tan \theta + \sec \theta) =$

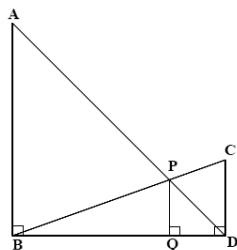
- (1) -1    (2) -2    (3) 3    (4) 2

Space for rough work

35. In the diagram given below

$$\angle ABD = \angle CDB = \angle PQD = 90^\circ$$

If  $AB : CD = 3 : 1$ , the ratio of  $CD : PQ$  is



- (1) 3 : 1                      (2) 1 : 3  
(3) 4 : 3                      (4) 3 : 4

36. The Indian Wildlife (Protection) Act was implemented in \_\_\_\_\_, with various provisions for protecting habitats.

- (1) 1972                      (2) 1975  
(3) 1971                      (4) 1974

37. Which of the following animals were gravely threatened, and the Central Government announced several projects for protecting them?

- (1) Kashmir stag  
(2) The Asiatic lion  
(3) One-horned rhinoceros  
(4) All of the above

38. Manas Tiger Reserve is located in \_\_\_\_\_.

- (1) Tamil Nadu              (2) Kerala  
(3) Assam                      (4) Orissa

39. Which of the following is located in the state of Rajasthan?

- (1) Corbett National Park  
(2) Bandhavgarh National Park  
(3) Periyar Tiger Reserve  
(4) Sariska Wildlife Sanctuary

40. \_\_\_\_\_ has the largest area under permanent forests, constituting 75 per cent of its total forest area.

- (1) Orissa                      (2) Madhya Pradesh  
(3) Chhattisgarh              (4) Assam

41. \_\_\_\_\_ in the Mahanadi basin integrates the conservation of water with flood control.

- (1) Krishna Raja Sagara project  
(2) Tehri project  
(3) Hirakud project  
(4) Bhakra Nangal project

42. In the Sutlej-Beas river basin, the \_\_\_\_\_ water is being used both for hydel power production and irrigation.

- (1) Nagarjuna Sagar project  
(2) Sardar Sarovar project  
(3) Kallanai project  
(4) Bhakra Nangal project

43. Which of the following statements is true about Satyagrah?

- (1) Satyagrah is not a physical force  
(2) It is the weapon of the weak  
(3) A Satyagrah does not inflict pain on the adversary  
(4) Option (1) and (3)

44. The first political experiment in liberal democracy took place in \_\_\_\_\_.

- (1) Germany                  (2) France  
(3) Italy                          (4) Great Britain

45. Which one of the following is an example of primary sector activity?

- (1) Banking                      (2) Outsourcing  
(3) Farming                      (4) None of the above

46. The idea of La Patrie means \_\_\_\_\_.

- (1) Motherland                  (2) Fatherland  
(3) Citizens                      (4) Monarchy

Space for rough work

47. Which of the following statements about the effect of the Non-cooperation Movement are true?
- (1) The import of foreign cloth halved between 1921 and 1922
  - (2) In many places, merchants and traders refused to trade in foreign goods or finance foreign trade
  - (3) Production of Indian textile mills and handlooms went up
  - (4) All of the above
48. .... is a paper instructing the bank to pay a specific amount to the person in whose name it has been issued.
- (1) Demand draft      (2) Cheque
  - (3) Pay-in-slip      (4) Withdrawal slip
49. When many countries of Europe came together to form the European Union, \_ \_ \_ \_ \_ was chosen as its headquarters.
- (1) Brussels      (2) Paris
  - (3) London      (4) Zurich
50. The amended Constitution of Belgium prescribed that the number of \_\_\_\_\_ and French-speaking ministers shall be equal in the Central Government.
- (1) Italian      (2) German
  - (3) English      (4) Dutch

*Space for rough work*

**Mental Ability Test (MAT)**

**Directions (51 to 54):** Each question consists of four groups. One set is different from the other three in some way. Find out the different set -

51. (1) NMRQ (2) FEIH  
(3) SRWV (4) HGLK
52. (1) ATLER (2) TALER  
(3) TALEN (4) LATER
53. (1) M.S. DHONI  
(2) SACHIN TENDULKAR  
(3) VISWANATHAN ANAND  
(4) SHANE WARNE
54. (1) MERCURY  
(2) IRON  
(3) ZINC  
(4) COPPER

**Directions (55 to 59):** In the following questions there is a letter series with one term missing shown by (?). Find this term.

55. GIK, EGI, (?), ACE, YAC  
(1) ECG (2) CEG  
(3) GCE (4) EGC
56. ABYZ, ADWZ, (?), AHSZ  
(1) AFUZ  
(2) AUFZ  
(3) ZFUA  
(4) ZUFA
57. OBDR, (?), SZBV, UYAX, WXZZ  
(1) WUWZ (2) YTVB  
(3) ASVD (4) QACT
58. VTRP, NLJH, FDBZ, XVTR, (?)  
(1) JLPN (2) LJPN  
(3) NPLJ (4) PNLJ
59. BDFH, DFHJ, (?), HJLN, JLND  
(1) JLNR (2) FHJL  
(3) JLRN (4) HJLN

**Directions (60 to 61):** In each question there are circles. Certain numbers are given inside/outside the circles according to a particular rule. In each question one of the circles has a (?) mark inside it. Choose the correct answer to fill in the space marked (?) from the given alternatives.

60.  $4 \begin{matrix} 7 \\ \circlearrowleft 5 \\ 9 \end{matrix} 5$      $4 \begin{matrix} 4 \\ \circlearrowleft 4 \\ 4 \end{matrix} 4$      $3 \begin{matrix} 3 \\ \circlearrowleft ? \\ 1 \end{matrix} 2$
- (1) 9    (2) 2    (3) 3    (4) 4
61.  $3 \begin{matrix} 5 \\ \circlearrowleft 2 \\ 3 \end{matrix} 1$      $1 \begin{matrix} 6 \\ \circlearrowleft 5 \\ 4 \end{matrix} 1$      $4 \begin{matrix} 9 \\ \circlearrowleft ? \\ 3 \end{matrix} 2$
- (1) 2    (2) 5  
(3) 7    (4) 31

**Directions (62 to 64):** These questions are based on letter series in which some of the letters are missing. The missing letters are given in the proper sequence in one of the alternatives among the four given under each question. Find out the correct alternatives for each question.

62. a \_\_\_ ab \_\_\_ aa \_\_\_ bb  
(1) abbab  
(2) ababa  
(3) baabb  
(4) None of these
63. nc \_\_\_ ddc \_\_\_ nn \_\_\_ d \_\_\_ d \_\_\_ nn  
(1) dnccd    (2) dndcc  
(3) dncdc    (4) ddnad
64. ab \_\_\_ cba \_\_\_ bccb \_\_\_ a \_\_\_ cc \_\_\_ aa \_\_\_ c  
(1) bcacbb    (2) caabbb  
(3) caabcb    (4) cbacc

*Space for rough work*

**Directions (65 to 69):** Out of nine cells of a square one cell is left blank, and in the rest of the cells numbers are written which follows some rules. Get the rule and find out the proper option for the blank cell (?).

65. 

12	16	8
25	144	?
32	49	25

- (1) 72    (2) 12    (3) 18    (4) 13

66. 

4	9	12
6	9	?
9	9	27

- (1) 18    (2) 54    (3) 81    (4) 15

67. 

2	4	8
3	?	27
4	48	64

- (1) 6    (2) 9    (3) 15    (4) 18

68. 

7	11	13
17	19	23
29	?	37

- (1) 31    (2) 30    (3) 10    (4) 08

69. 

PR	R	?
AC	C	CE
XT	T	TV

- (1) RQ    (2) RT    (3) PR    (4) RP
70. Six girls are sitting in a circle facing toward the centre. Sarita is sitting to the left of Kamla and right to Radha, is just opposite to Shilpi. Shilpi is sitting left to Saroj but right to Shobha. Who is sitting in between Radha and Shilpi.
- (1) Saroj                      (2) Sarita  
(3) Shobha                  (4) Kamla
71. If in the above question the position of girls Saroj and Sarita change their position. Similarly Shobha and Radha also change their positions. In new positions who is sitting right to the Sarita ?
- (1) Saroj                      (2) Shobha  
(3) Kamla                    (4) Shilpi

**Directions (72 to 76):** The following questions are based on the arrangement of alphabets in the form of a pyramid. In each question there is some relationship between the two sets of letters on the left of the (::). The same relationship exists between the two terms on the right of which one is missing. Find the missing one from the given alternatives.



72. ABD : ADB :: AEI : ?
- (1) AIE                      (2) EAI  
(3) IEA                      (4) AEI
73. AES : AIW :: ? : CHN
- (1) CKS                      (2) CFL  
(3) CFT                      (4) CBF

*Space for rough work*



74. EFLK : ? :: GEKM : GIOM

- (1) IHON (2) HOIN  
(3) IHNO (4) HION

75. ? : HXVH :: GSUG : GWUG

- (1) FRTF (2) FRFT  
(3) TFRT (4) FKTF

76. JKTU : ? :: JLUW : PNUS

- (1) POVU (2) POUV  
(3) OVUP (4) VOUP

**Direction (77 to 79):** Each of the following questions is based on the following information.

A # B means B is at 1 metre to the right of A.

A \$ B means B is at 1 metre to the North of A.

A \* B means B is at 1 metre to the left of A.

A @ B means B is at 1 metre to the south of A.

In each question the first person from the left is facing North.

77. According to X @ B \* P, P is in which direction with respect to X?

- (1) North (2) South  
(3) North-East (4) South-West

78. According to M # N \$ T, T is in which direction with respect to M?

- (1) North-West (2) North-East  
(3) South-West (4) South-East

79. According to P # R \$ A \* U, in which direction is U with respect to P?

- (1) East (2) West  
(3) North (4) South

80. A B C D E F G H I J K L M N O P Q R S T U V W X Y Z.

Which letter in this alphabet is the eighth letter to the right of the letter and which is the tenth letter to the left of the last but one letter of the alphabet?

- (1) X (2) W  
(3) I (4) H

81. How many pairs of letters are there in the word 'NURSING' which have as many letters between them as in the alphabet?

- (1) One (2) Three  
(3) Five (4) Six

82. Arrange the given words Alphabetical Order and choose the one that comes first.

- (1) Science (2) Scrutiny  
(3) Scripture (4) Scramble

83. The total age of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago?

- (1) 71 years (2) 72 years  
(3) 74 years (4) 77 years

84. Two bus tickets from city A to B and three tickets from city A to C cost ₹77 but three tickets from city A to B and two tickets from city A to C cost ₹73. What are the fares for cities B and C from A?

- (1) ₹4, ₹23 (2) ₹13, ₹17  
(3) ₹15, ₹14 (4) ₹17, ₹13

85. An institute organised a fete and 1/5 of the girls and 1/8 of the boys participated in the same. What fraction of the total number of students took part in the fete ?

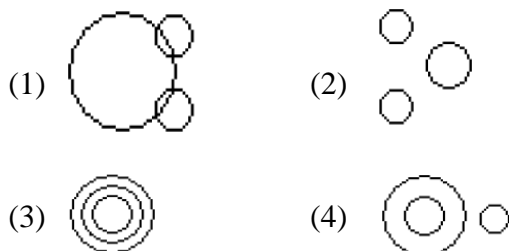
- (1) 2/13 (2) 13/40  
(3) Data inadequate (4) None of these

86. A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards is 133, how many cards does B have ?

- (1) 22 (2) 23  
(3) 25 (4) 35

Space for rough work

87. Which of the following diagrams indicates the best relation between Paper, Stationery and Ink ?



88. In a town of 500 people, 285 read Hindu and 212 read Indian Express and 127 read Times of India, 20 read Hindu and Times of India and 29 read Hindu and Indian Express and 35 read Times of India and Indian Express . 50 read no newspaper. Then how many read only one paper ?

- (1) 123 (2) 231 (3) 312 (4) 321

89. Pointing out a man receiving the prize, Malaika said, "He is the brother of my uncle's daughter." Who is the man to Malaika?

- (1) Son (2) Brother-in-law  
(3) Nephew (4) Cousin

90. Pointing to a girl in the picture, Salman said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Salman if the girl is not the real sister of Salman?

- (1) Sister (2) Aunt  
(3) Grandmother (4) None of these

91. B is the father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

- (1) Son (2) Son-in-law  
(3) Brother (4) Brother-in-law

92. One morning after sunrise, Vimal started to walk. During this walk he met Stephen who was coming from the opposite direction. Vimal watches the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?

- (1) East (2) West  
(3) South (4) Data inadequate

93. If + stands for 'division', × stands for 'addition', – stands for 'multiplication' and ÷ stands for subtraction, then which of the following equations is correct?

- (1)  $36 \times 6 + 7 \div 2 - 6 = 20$ .  
(2)  $36 + 6 - 3 \times 5 \div 3 = 24$ .  
(3)  $36 \div 6 + 3 \times 5 - 3 = 45$ .  
(4)  $36 - 6 + 3 \times 5 \div 3 = 74$ .

94. The following number series follows a particular pattern. One of the numbers in the given series is wrong. Identify the wrong number:

3, 15, 63, 129, 1023, 4095

- (1) 15 (2) 63  
(3) 129 (4) 4095

95. Rohit at a wedding asked to find the seating arrangement of the guests. There are eight guests, named Mrs. Hudson, John, Azhar, Sunita, Amber, Rajesh, Mahima and Vishal, who are supposed to sit in two rows of four chairs each, facing each other. The following information was provided:

Amber is between Mrs. Hudson and Vishal, but just opposite to John. Rajesh is at one end of a line and is just next in the right of the John; or Rajesh is just after John. Mahima, who is sitting at one end of a row, just diagonally opposite to Mrs. Hudson (who is at the other end of the opposite row).

Which of the following statements is/are definitely true ?

- I. Vishal is just next to Amber.  
II. Azhar is just near Vishal.  
III. Mahima is either next or opposite to Sunita  
IV. Sunita is diagonally opposite to Rajesh.

- (1) Only I and III  
(2) Only II and IV  
(3) Only III  
(4) Only I, III and IV

Space for rough work

**Direction (Questions 96 to 97):** Read the following passage and answer the questions given below:

In the administrative structure of an academic institution, the highest body is the Executive Council (EC). There are Academic Programme Committee (APC), Finance Committee (FC), Planning Division (PD) who have to report to the EC. The Vice Chancellor chairs the APC, FC and PD while the chancellor chairs the EC. The Schools of Studies (Science/Humanities/Social Science/Commerce /Education/Engineering and Technology) come under the jurisdiction of APC.

96. The faculty members of the School of Commerce report to the:

- (1) APC (2) FC  
(3) PD (4) EC

97. Which among the following statement is correct in respect of hierarchy ?

- (1) EC, APC and PD are at the same level  
(2) APC, PD and FC are at the same level  
(3) EC, APC and FC are at the same level  
(4) APC is above EC which is above FC and PD

98. In the following question, five statements have been provided which are to be considered as true, even if they do not corroborate our real life experiences. These are followed by four conclusions as the alternatives. Now in the given statements, which one among the four conclusions is definitely false.

Statements:

Some donuts are dumb.

Some dumbs are sweets.

All sweets are tall.

No tall is a donut.

All donuts are sugar.

- (1) Some sweets are sugar  
(2) Some sugars are not dumb  
(3) Some dumbs are tall  
(4) Some tall are dumb

99. 'BUILD' is related to 'CAWRQ' such that the letters having reflection symmetry with respect to a mirror. Placed on the right side at the same positions. Which among the following pairs bears the same relationship ?

- (1) EARTH : NPOQX  
(2) CROWN : DABCM  
(3) HOUSE : TRASHE  
(4) LAUGH : GHTZL

100. An old couple with memory issues had forgotten their anniversary and were trying to recollect the date. The lady clearly remembers that they got married in the month of February of the year 1955. The man clearly remembers that he celebrated his 21st birthday in the same year, and it was Thursday, the 3rd of February, as a bachelor. The lady then remembers that they definitely got married before the 13th of February. The man knew it had to be a weekend, Since he was working on other days from Monday to Friday. The lady and the man then agreed that it was a Sunday. Help them find the date of their wedding which was in the year 1955?

- (1) 5th of February  
(2) 6th of February  
(3) 8th of February  
(4) 12th of February

Space for rough work



**सिर्फ तैयारी के लिए ज़िन्दगी नहीं  
ज़िन्दगी के लिए तैयारी**

घर के पास  
सफलता और संस्कार

Batch: X to XI Moving

ANSWER KEY

01.	(1)	02.	(2)	03.	(4)	04.	(3)	05.	(2)	06.	(3)	07.	(2)
08.	(4)	09.	(2)	10.	(1)	11.	(4)	12.	(1)	13.	(1)	14.	(2)
15.	(2)	16.	(2)	17.	(1)	18.	(1)	19.	(1)	20.	(1)	21.	(4)
22.	(3)	23.	(2)	24.	(3)	25.	(1)	26.	(2)	27.	(1)	28.	(3)
29.	(4)	30.	(1)	31.	(2)	32.	(3)	33.	(2)	34.	(4)	35.	(3)
36.	(1)	37.	(4)	38.	(3)	39.	(4)	40.	(2)	41.	(3)	42.	(4)
43.	(4)	44.	(2)	45.	(3)	46.	(2)	47.	(4)	48.	(2)	49.	(1)
50.	(4)	51.	(2)	52.	(3)	53.	(3)	54.	(1)	55.	(2)	56.	(1)
57.	(4)	58.	(4)	59.	(2)	60.	(3)	61.	(1)	62.	(4)	63.	(3)
64.	(2)	65.	(4)	66.	(1)	67.	(4)	68.	(1)	69.	(2)	70.	(1)
71.	(2)	72.	(1)	73.	(2)	74.	(4)	75.	(1)	76.	(1)	77.	(4)
78.	(2)	79.	(3)	80.	(2)	81.	(2)	82.	(1)	83.	(1)	84.	(2)
85.	(3)	86.	(3)	87.	(1)	88.	(4)	89.	(4)	90.	(2)	91.	(4)
92.	(3)	93.	(4)	94.	(3)	95.	(1)	96.	(1)	97.	(2)	98.	(1)
99.	(4)	100.	(2)										

For any correction or query related to answer key, contact +91 81262 61333