



ASPIRE TALENT HUNT EXAM FOR

CLASS 10th - QUESTION PAPER

Time: 120 Minutes

Maximum Marks: 400

INSTRUCTIONS:

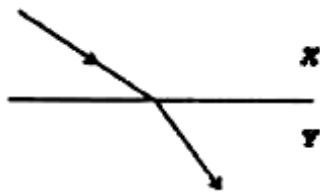
Read the instructions carefully. 5 minutes are allowed specifically for this purpose.

1. Answer all questions
2. This booklet is your question paper containing **100** questions
3. The question paper consist of **5 sections** I, II, III, IV, V.
4. Section-I **Physics** (Questions -1 to 14), Section-II **Chemistry** (15-26), Section-III **Biology** (27-40), Section-IV **Mathematics** (40-60), Section-V **Mental ability** (60-100).
5. Each question has **only one correct** answer. Once you have marked an option you can't mark a fresh option
6. For each **correct** answer **+4** marks will be awarded. For **wrong** answer **-1** mark will be deducted.
7. Fill your **OMR** sheet carefully.
8. All the Notations used in this paper are standard.
9. No use of electronic gadgets, calculators, mobile phones etc are allowed.
10. **In case of any discrepancy do not ask anyone one including your invigilator. Try to attempt question and mark the best possible answer.**

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Section-I (Physics)

1. When light travels from medium X to medium Y as shown

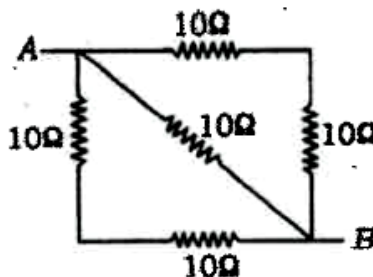


- (a) both the speed and the frequency decrease
(b) both the speed and the frequency increase
(c) both the speed and the wavelength decrease
(d) both the wavelength and the frequency are unchanged.
2. Three 6Ω resistors are connected in parallel and the combination is connected to a 15 V battery. The current through any one of the resistors will be
(a) 2.5 A (b) 2.0 A (c) 5 A (d) 10 A .

3. Focal length of convex lens is $+40\text{ cm}$. The power of this lens will be
(a) $+4\text{ dioptre}$ (b) $+2.5\text{ dioptre}$
(c) $+40\text{ dioptre}$ (d) $+25\text{ dioptre}$

4. The equivalent resistance of the given circuit between points A and B is

- (a) 40Ω
(b) 4Ω
(c) 5Ω
(d) 0.2Ω

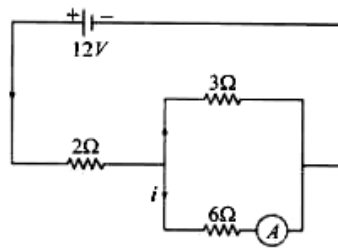


5. A heater is joined in parallel with a 60 W bulb is connected to the mains. If 60 W bulb is replaced by a 100 W bulb. The change in heat produced by the heater is :
(a) more (b) less (c) same (d) none of these

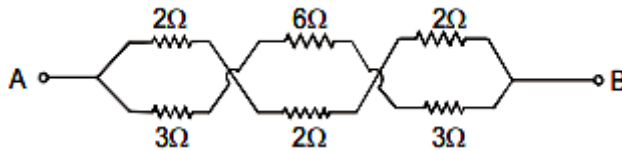
Rough work

6. Reading of ammeter in ampere for the following circuit is :

- (a) 4
(b) 3
(c) 2
(d) 1



7. Find the equivalent resistance between points A and B of the given circuit.



- (a) 3.6Ω (b) 4Ω (c) 4.45Ω (d) 6Ω

8. The resistivity of aluminium is twice that of copper and its density one-third that of copper. The ratio of the resistance of aluminium to copper wires having the same length and same mass per unit length is

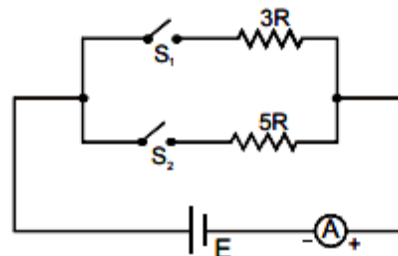
- (a) $3 : 2$ (b) $2 : 1$ (c) $2 : 3$ (d) $4 : 9$

9. Two resistors r_1 & r_2 ($r_1 < r_2$) are joined in parallel. The equivalent resistance R is such that

- (a) $R > r_1 + r_2$ (b) $r_1 < R < r_1 + r_2$
(c) $r_1 + R < r_2$ (d) $R < r_1$

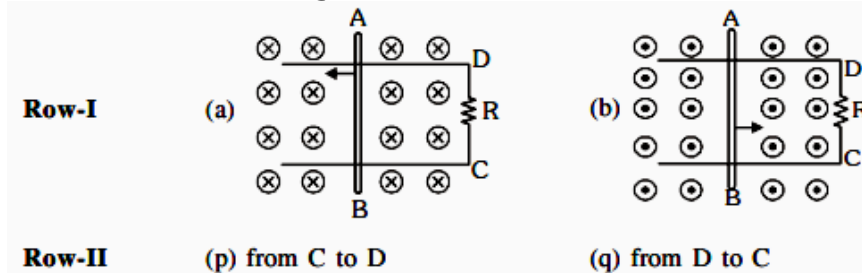
10. In the circuit shown in figure, reading of ammeter is I_1 when only S_1 is closed, reading of ammeter is I_2 when only S_2 is closed, reading of ammeter is I_3 when both S_1 and S_2 are closed. Then

- (a) $I_1 > I_2 > I_3$
(b) $I_2 > I_1 > I_3$
(c) $I_1 < I_2 < I_3$
(d) $I_2 < I_1 < I_3$



Rough work

11. Twelve wires of equal resistance x/y are connected to form a cube. The effective resistance between two diagonal ends will be
 (a) $\frac{5x}{6y}$ (b) $\frac{6x}{5y}$ (c) $\frac{3x}{y}$ (d) $\frac{12x}{y}$
12. A metallic rod AB is sliding on conducting rails as shown in figure. Match the direction of induced current in resistor 'R' given in Row-II with different cases shown in Row-I.



- (a) $a - p, b - q$ (b) $a - p, b - p$
 (c) $a - q, b - p$ (d) $a - q, b - q$
13. Thick layer of water is :
 (a) Transparent (b) Translucent
 (c) Opaque (d) None of these
14. The image is always erect in :
 (a) Plane mirror (b) Concave mirror
 (c) Convex mirror (d) Both (a) and (c) are correct

Section-II (Chemistry)

15. What are the electronic configurations of Na^+ and Cl^- ions?
 (a) $\text{Na}^+ = 2,8,1$ and $\text{Cl}^- = 2,8,7$
 (b) $\text{Na}^+ = 2,8$ and $\text{Cl}^- = 2,8,8$
 (c) $\text{Na}^+ = 2,8,2$ and $\text{Cl}^- = 2,8,6$
 (d) $\text{Na}^+ = 2,8$ and $\text{Cl}^- = 2,8,7$
16. What mass of hydrogen and oxygen will be produced on complete electrolysis of 18 g of water?
 (a) 2 g hydrogen and 32 g oxygen
 (b) 2 g hydrogen and 16 g oxygen
 (c) 4 g hydrogen and 32 g oxygen
 (d) 4 g hydrogen and 14 g oxygen

Rough work

17. In the process of burning of magnesium in air, magnesium undergoes -
(a) Reduction (b) Sublimation
(c) Oxidation (d) All of these
18. In bases, methyl orange turns -
(a) green (b) black
(c) red (d) yellow
19. The elements which normally exist in the liquid state are
(a) Bromine and iodine
(b) Mercury and chlorine
(c) Iodine and mercury
(d) Bromine and mercury
20. How many gram atoms are present in 1.4 g of nitrogen atoms?
(a) 1 (b) 0.1 (c) 0.01 (d) 0.5
21. Identify true and false statement?
(a) The relationship between pH and hydrogen ion concentration is inverse one.
(b) By the dilution of an acidic solution concentration of H^+ ion increases continuously
(c) pH of aqueous solution of basic salt is always greater than 7 .
(a) TFT (b) TFF (c) FFT (d) TTF
22. Which of the following is not a compound ?
(a) Marble (b) Washing soda
(c) Quick lime (d) Brass
23. How much water should be added to 50gm of glucose so as to obtain 12% glucose solution ?
(a) 366.67gm (b) 416.66gm
(c) 350gm (d) 376.67gm
24. For the following reaction
$$2Pb(NO_3)_P \xrightarrow{\Delta} 2PbO_Q + RNO_2 + ZO_2$$

$$\frac{P \times R}{Q + Z} \text{ is}$$

(a) 3 (b) 4 (c) 1 (d) 5

Rough work

25. A metal compound 'A' react with dilute hydrochloric acid to produce effervescence. The gas evolved extinguishes a burning candle. The balanced chemical equation for the above reaction is :
(a) $\text{NaHCO}_3 + \text{HCl (dilute)} \rightarrow \text{NaCl} + \text{H}_2\text{O} + \text{CO}_2$
(b) $\text{Na}_2\text{CO}_3 + \text{HCl (dilute)} \rightarrow \text{NaCl} + \text{H}_2(\uparrow) + \text{CO}_2$
(c) $\text{CuSO}_4 + 2\text{HCl} \rightarrow \text{CuCl}_2 + \text{H}_2\text{SO}_4$
(d) None of these
26. The ratio of number of electrons in N shell of A and M shell of B with atomic numbers 40 and 32 respectively is
(a) 5: 3 (b) 9: 5 (c) 5: 9 (d) 5: 4
27. Colour of blue vitriol and green vitriol compound is because of
(a) Anhydrous nature of compound.
(b) Loss of water when they are heated.
(c) Water molecule of Crystallisation.
(d) They are naturally coloured.

Section-III (Biology)

28. Fruit is formed from
(a) stamen (b) stigma (c) ovary (d) ovule
29. Which of the following is not a vegetative propagule?
(a) Root (b) Stem (c) Leaf (d) Seed
30. The multicellular organism that reproduces by budding is
(a) Rhizopus (b) Agaricus (c) Hydra (d) Yeast
31. Which part of human brain is more developed in comparison of others?
(a) Cerebrum (b) Cerebellum
(c) Optic lobes (d) Medulla oblongata
32. The fight or flight response is developed by hormones of the
(a) hypothalamus (b) adrenal medulla
(c) adrenal cortex (d) pancreas.
33. In a neuron, conversion of electrical signal to a chemical signal occurs at/in
(a) cell body (b) axonal end
(c) dendritic end (d) axon.

Rough work

34. Which one of the following does not secrete any hormone?
(a) Thyroid (b) Ovary (c) Testes (d) Spleen
35. Blood corpuscles which help in blood clotting at the site of injury are
(a) RBCs (b) WBCs (c) platelets (d) all of these.
36. Gastric digestion takes place efficiently in
(a) acidic medium (b) alkaline medium
(c) neutral medium (d) highly alkaline medium.
37. The process in which water splits during photosynthesis is called
(a) hydrolysis (b) plasmolysis
(c) photolysis (d) none of these.
38. The substance essential for photosynthesis is
(a) glucose (b) oxygen (c) nitrogen (d) water.
39. Which one of the following statement is incorrect?
(a) Glucagon is secreted by pancreas
(b) Androgen is produced by ovary
(c) Thyroxine is secreted by thyroid
(d) Oxytocin is released by pituitary
40. The type of tissue that forms the framework of the external ear is
(a) Epithelial tissue (b) Connective tissue
(c) Nervous tissue (d) Muscular tissue

Section-IV (Mathematics)

41. If $x = \frac{1}{2+\sqrt{3}}$, then the value of $x^3 - x^2 - 11x + 3$ is
(a) 1 (b) 0 (c) 2 (d) -1
42. If $x = 3 - \sqrt{8}$, then the value of $x^3 + \frac{1}{x^3}$ is
(a) 198 (b) 125 (c) 234 (d) 196
43. If $\sqrt{x+3} + \sqrt{x-2} = 5$, then value of x is
(a) 1 (b) 3 (c) 6 (d) 4

Rough work

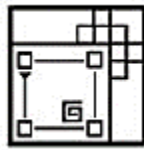
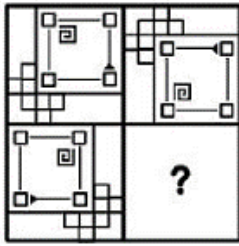
44. The value of $\frac{16 \times 2^{n+1} - 4 \times 2^n}{16 \times 2^{n+2} - 2 \times 2^{n+2}}$ is
(a) 0 (b) $\frac{2}{3}$ (c) $\frac{1}{2}$ (d) 1
45. For real numbers p, q and a , if the polynomial $x^3 - 3px + 2q$ is divisible by the polynomial $x^2 + 2ax + a^2$, then which of the following is correct?
(a) $3p = 2q$ (b) $p^2 = q^3$
(c) $p^3 = q^2$ (d) $27p^3 = 4q^2$
46. If $\frac{1 - \cos \theta}{\sin \theta} = \frac{1}{5}$, $0^\circ \leq \theta \leq 90^\circ$, then the value of $1 + \tan \theta$ is
(a) $\frac{17}{13}$ (b) $\frac{17}{12}$ (c) $\frac{15}{13}$ (d) $\frac{15}{12}$
47. The angle of elevation of the top of a ladder leaning against a wall measured from a distance of 7.3 meters from the foot of the ladder is 45° . Suppose that the vertical height of the top of the ladder is 17.3 metres. Then, the best approximation of the angle of inclination of the ladder with the wall is:
(a) 15° (b) 30° (c) 45° (d) 60°
48. If $(2^x - 4)^3 + (4^x - 2)^3 = (4^x + 2^x - 6)^3$, then the sum of all real values of x is
(a) 0.5 (b) 1.5 (c) 2.5 (d) 3.5
49. If $2019^x + 2019^{-x} = 3$, then the value of $\sqrt{\frac{2019^{6x} - 2019^{-6x}}{2019^x - 2019^{-x}}}$ is:
(a) 3 (b) 6 (c) 9 (d) 12
50. Let a, b and c are the roots of the polynomial equation $x^3 - 597x - 5236 = 0$ then the value of $(a^3 + b^3 + c^3)$ is
(a) 597 (b) 15708 (c) 5236 (d) 10472
51. If $\operatorname{cosec} x + \cot x = a$, then the value of $\cos x$ is
(a) $a^2 + \frac{1}{a^2}$ (b) $\frac{a^2+1}{a^2-1}$ (c) $\frac{a^2-1}{a^2+1}$ (d) $\frac{a^2+1}{2a}$
52. The product of two 2 digits numbers is 2160 and their H.C. F is 12. Then sum of the number is
(a) 72 (b) 84 (c) 96 (d) 60

Rough work

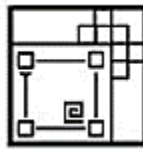
53. Find the sum of all real values of x which satisfy $\frac{1}{x^2-10x-45} + \frac{1}{x^2-10x-29} = \frac{2}{x^2-10x-69}$
 (a) 7 (b) 10 (c) 13 (d) -3
54. If $A + B = 90^\circ$ then $\frac{\tan A \tan B + \tan A \cot B}{\sin A \sec B} - \frac{\sin^2 B}{\cos^2 A}$ is equal to:
 (a) $\cot^2 A$ (b) $\cot^2 B$ (c) $-\tan^2 A$ (d) $-\cot^2 A$
55. If $x^2 + y^2 + z^2 = r^2$ where, $x = r \cos a \cos b$, $y = r \cos a \sin b$ then z has one of the following values.
 (a) $r \cos a$ (b) $r \tan a \cos b$ (c) $r \tan a \tan b$ (d) $r \sin a$
56. If α & β are the roots of the equation $3x^2 - 5x + 3 = 0$ then the quadratic equation whose roots are $\alpha^2 \beta$ and $\alpha \beta^2$ is
 (a) $3x^2 - 5x - 3 = 0$ (b) $3x^2 - 8x + 5 = 0$
 (c) $3x^2 - 8x + 3 = 0$ (d) $3x^2 - 5x - 3 = 0$
57. From a point on the ground, the angles of elevation of the bottom and the top of a transmission tower fixed at the top of a 20 m high building are 45° and 60° respectively. Find the height of the tower.
 (a) 14.64 m (b) 15.24 m
 (c) 16.64 m (d) 17.82 m
58. If the Angle of elevation of sun increases from 0° to 90° then the change in the length of shadow of Tower will be -
 (a) No changes in length of shadow
 (b) length of shadow increases
 (c) length of shadow decreases
 (d) length of shadow will be zero
59. The angle of depression of a car, standing on the ground, from the top of a 75 m high tower, is 30° . The Distance of the car from the base of the tower (in meter) is :
 (a) $25\sqrt{3}$ (b) $50\sqrt{3}$ (c) $75\sqrt{3}$ (d) 150
60. A person walking along a straight road observes that at the consecutive kilometre stones, the angles of elevation of a hill in front of him are 30° and 75° . Find the height of the hill.
 (Given $\sin 75^\circ = \frac{\sqrt{3}+1}{2\sqrt{2}}$)
 (a) $\frac{\sqrt{3}+1}{4}$ km (b) $\frac{\sqrt{3}-1}{4}$ km
 (c) $\frac{\sqrt{3}+1}{2}$ km (d) None of these

Rough work

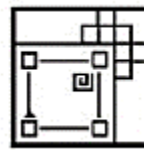
61. Find which shape should fill the empty square.



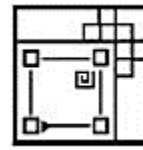
(a)



(b)



(c)



(d)

62. There are 16 secret agents who each know a different piece of secret information. They can telephone each other and exchange all the information they know. After the telephone call, they both know everything that either of them knew before the call.

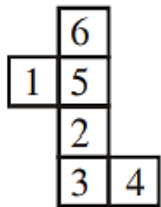
What is the minimum number of telephone calls required so that all of them know everything?

- (a) 28 (b) 53 (c) 120 (d) None of these

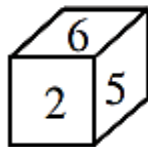
63. Rahul told Anand, "Yesterday I defeated the only brother of the daughter of my grandmother". Whom did Rahul defeat?

- (a) Son (b) Father (c) Brother (d) Father-in-law

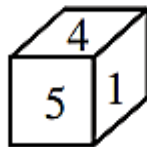
64. The figure given on the left hand side, in each problem, is folded to form a cube. Choose from amongst the alternatives (a), (b), (c), (d) and the cubes that are similar to the cube formed.



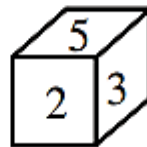
(X)



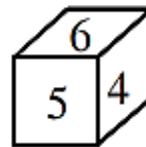
(a)



(b)



(c)



(d)

Rough work

65. Each question consists of five statements followed by options consisting of three statements put together in a specific order. Choose the option which indicates a valid argument, that is, where the third statement is conclusion drawn from the preceding two statements.
- (a) Migration of people augments housing problem in urban areas.
(b) Increase in housing problem in urban areas is detrimental to economic growth.
(c) Migration of people is detrimental to economic growth.
(d) Some migration does not cause increase in urban housing problem.
(E) Some migration is not detrimental to economic growth.
- (a) CBA (b) BDE (c) CDE (d) BAC
66. A clock is set at 10 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 3 a.m. on 4th day?
- (a) 4 a.m. (b) 10 a.m. (c) 11 p.m. (d) 4 p.m.

Direction: (Q. 67 & Q.68):

The Vice Chancellor of a University wants to select a team of five members as the organizing committee for the next convocation of the University to be held in March 2015. The committee members are to be selected from five short listed professors (Prof. Ahuja, Prof. Banerjee, Prof. Chakravarty, Prof. Eqbal, Prof. Das) and four short listed students (Prakash, Queen, Ravi and Sushil). Some conditions for selection of the committee members are given below:

- (i) Prof. Ahuja and Sushil have to be together
(ii) Prakash cannot be put with Ravi
(iii) Prof. Das and Queen cannot go together
(iv) Prof. Chakravarty and Prof. Eqbal have to be selected
(v) Ravi cannot be selected with Prof. Banerjee.
67. If two members of the committee are students and Prof. Das is one of the members of the committee, who are the other committee members?
- (a) Prof. Banerjee, Prof. Chakravarty, Prakash and Queen
(b) Prof. Ahuja, Prof. Banerjee, Sushil and Prakash
(c) Prof. Chakravarty, Prof. Eqbal, Prakash and Sushil
(d) None of the above

Rough work

68. In case Prof. Ahuja and Prof. Chakravarty are members, who are the other members who cannot be selected for the committee?
- (a) Prof. Benerjee, Prof. Eqbal and Sushil (b) Prof. Eqbal, Sushil and Prakash
(c) Prof. Eqbal, Prakash and Queen (d) None of the above

Direction: (Q.69 to Q.70)

Cubes of similar size are arranged in the form of a bigger cube (5 cubes on each side, i.e., $5 \times 5 \times 5$). From one corner of the top layer of this cube, four smaller cubes ($2 \times 2 \times 1$) are removed. From the column on the opposite side, two cubes ($1 \times 1 \times 2$) are removed, and from the third corner, three cubes ($1 \times 1 \times 3$) are removed and from the fourth column four cubes ($1 \times 1 \times 4$) are removed. All exposed faces of the block thus formed are coloured red.

69. How many small cubes are left in the block?
- (a) 109 (b) 114 (c) 112 (d) 110
70. A game consists of tossing a coin successively. There is an entry fee of Rs. 10 and an additional fee of Rs.1 for each toss of the coin. The game is considered to have ended normally when the coin turns a heads on two consecutive throws. In this case the player is paid Rs. 100. Alternatively, the player can choose to terminate the game prematurely after any of the tosses. Ram has incurred a loss of Rs. 50 by playing this game. How many times did he toss the coin?
- A. The game ended normally
B. The total number of tails obtained in the game was 138.
- (a) If the question can be answered by one of the statement alone but not by the other.
(b) If the question can be answered by using either statement alone.
(c) If the question can be answered by using both the statements together but cannot be answered using either statement alone.
(d) If the question cannot be answered even by using both the statements A and B

Rough work

Directions (71-72):

Which of the following groups of alphabets should replace the blank spaces so that the group of alphabets given follows a logical pattern from the preceding and the following group of alphabets?

71. **BMX, DNW, FOU?**

- (a) GH0 (b) GPS (c) HPR (d) HPT

72. **_ b c d a _ c d a b _ d a b c _**

- (a) d,c,a,b (b) c,d,a,b (c) a,b,c,d (d) c,c,d,a

Directions (73 – 74):

In the following questions a series of letters has been given. In the series one or two letters are missing. What will come in place of question mark (?)

73. **YX ,UTS,ONML,?**

- (a) IHGFE (b) HGFED (c) FEDCB (d) GFEDC

74. **AYBZC, DWEXF, GUHVI, JSKTL,?**

- (a) MQORN (b) MQNRO (c) NQMOR (d) QMONR

Directions (75-76)

Complete the series by replacing the?

75. **24, 60,120, 210,?**

- (a) 300 (b) 336 (c) 420 (d) 525

76. **462,420 ,380,?, 306**

- (a) 322 (b) 332 (c) 342 (d) 352

77. **Find the wrong number in the following series:**

2 ,5,10 ,50, 500 ,5000

- (a) 5 (b) 10 (c) 50 (d) 5000

Rough work

78. In the following series one terms is missing. Choose the correct alternative from the given ones that will complete the series:

D9Y,J27S ,P81M, V243G,?

- (a) B 729 A (b) A 729 B (c) A 324 B (d) C 729 B

Directions (79-80):

These questions are based on letter/number/symbols. Read it carefully then answer: A 8 B 6 # 7 H U % 3 \$ F V R 21 @ ↑ 4 I W E 9 (c) L 5]

79. How many such numbers are there in the series which is immediately followed by a vowel but not immediately preceded by a number?

- (a) None (b) One (c) Two (d) Three

80. There of the following four shows a certain relationship and so form a group. Which does not belong to that group?

- (a) B 7 # (b) I 4 ↑ (c) F 2 R (d) W © E

81. What is the number come at X in the given matrix?

3	370	7
2	224	6
1	730	X

- (a) 5 (b) 8 (c) 9 (d) 11

Directions (82 – 83):

Study the following information carefully to answer these questions:

‘P x Q’ means ‘P is the wife of Q’

‘P ÷ Q’ means ‘P is the father of Q’

‘P + Q’ means ‘P is the son of Q’

‘P – Q’ means ‘P is the sister of Q’

82. In $H + I \div L$ how is L related to H?

- (a) Brother (b) Sister (c) Cousin (d) Brother of Sister

83. Which of the following represents ‘S is mother of T’?

- (a) $S \times M \div H - T$ (b) $S \times M + H - T$ (c) $M \times S \div H - T$ (d) $M \times S \div H + T$

Rough work

84. A walks 10 metres in front and 10 metres to the right. Then every time turning to his left, he walks 5, 15 and 15 metres respectively. How far is he now from his starting point?
(a) 5 metres (b) 10 metres (c) 15 metres (d) 20 metres
85. Rasik walks 20 m north. Then he turns right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Then he again turns left and walks 15 m. In which direction and how many metres away is he from his original position?
(a) 15 metres West (b) 30 metres East (c) 30 metres West (d) 45 metres East
86. The third proportional to $(a-b)$ and $(a^2 - b^2)$ is
(a) $(a-b)(a^2-b^2)$ (b) $(a+b)(a^2+b^2)$
(c) $(a+b)(a^2-b^2)$ (d) $(a-b)(a^2+b^2)$
87. T, R, P, N, L, ?, ?
(a) J, H (b) K, H (c) K, I (d) J, G
88. Find the next number in the series?
2, A, 9, B, 6, C, 13, D, ?
(a) 9 (b) 10 (c) 12 (d) 19
89. A train started with 540 passengers. At the first station $\frac{1}{9}$ th of them got down and 24 got up. On its second station $\frac{1}{8}$ th of the passengers then existing got down and 9 got up. With how many passengers it reached the third station?
(a) 500 (b) 450 (c) 540 (d) 550
90. In an examination 52% of students failed in Hindi and 42% of students failed in English. If 17 % failed in both the subjects, then what percent of students passed only in one subject?
(a) 38% (b) 60% (c) 94% (d) 77%
91. A man has some ducks and horses. The total number of their legs is 140 and that of their heads is 48. The number of ducks with man is:
(a) 22 (b) 23 (c) 24 (d) 26

Rough work

92. A father who is 36 year old says to his son, "I was as old as you when you were born." What was age of son, 5 years ago?
(a) 13 years (b) 15 years (c) 17 years (d) 20 years
93. Six players participated as in a chess competition. According to rule of the competition, each player has to play once against every other one. How many matches will be played in this competition?
(a) 12 (b) 18 (c) 15 (d) 36
94. 12 men can complete a piece of work in 36 days. 18 women can complete the same piece of work in 60 days. 8 man and 20 women work together for 20 days. If only women were to complete the remaining piece of work in 4 days, how many more women would be required?
(a) 70 (b) 28 (c) 66 (d) 30
95. Fifty six men can complete a piece of work in 24 days. In how many days can 42 men complete the same piece of work?
(a) 18 days (b) 32 days (c) 98 days (d) 48 days

Directions (96-100):

L, M, N, O, P, Q, R and S are sitting around a circular table facing the centre but not necessarily in the same order.

They all are having discussion on an important topic.

N is an immediate neighbour of both L and R, who is an immediate neighbour of P. P sits second to the left of N. Only two persons sit between M and Q.

96. What is the position of O with respect to S in the above arrangement?
(a) Third to the left (b) Immediate left
(c) Second to the right (d) Immediate right
97. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(a) MS (b) QI (c) NM (d) RP
98. Who among the following sits second to the left of the one who is on the immediate right of O?
(a) Q (b) M (c) O (d) None of these

Rough work

99. Which of the following persons sits between M and Q?

(a) O

(b) L

(c) N

(d) S

100. Who among the following sits third to right of the one who sits opposite of N?

(a) L

(b) S

(c) R

(d) O

Rough work

एस्पायर ने बरकरार रखी हिमाचल टॉपर देने की अपनी परंपरा

जेईई मेन्स परीक्षा में हिमाचल टॉपर के बाद नीट में भी दिया हिमाचल टॉपर

ड्रॉपर बैच के लिए एस्पायर संस्थान बना छात्रों की पहली पसंद, ड्रॉपर बैच के 125 छात्रों का चयन लगभग तय

शिमला: एस्पायर ने नीट व जेईई परीक्षा में टॉपर देने का मीलमिला जेईई मेन्स 2022 में फिमेल कैंटेगरी में हिमाचल टॉपर देने के बाद नीट 2022 परीक्षा परिणामों में भी कायम रखा। जेईई 2022 में एस्पायर की वाणी पराशर ने पूरे हिमाचल में फोमेल कैंटेगरी में पहला स्थान प्राप्त किया था और अब नीट 2022 परीक्षा परिणामों में एस्पायर की ही आदित्य राज शर्मा ने 720 में से 687 अंक प्राप्त कर हिमाचल में पहला स्थान प्राप्त किया है। एस्पायर संस्थान के निदेशक योगेंद्र कुमार मीणा ने आदित्य व उनके अभिभावकों को बधाई देते हुए कहा कि बच्चों की सफलता में संस्थान के शिक्षकों का योगदान के साथ इस सफलता का श्रेय बच्चों को महानतम उसका अभिभावकों को भी जाता है साथ-साथ बच्चों की सफलता में उन शिक्षकों का भी पूरा योगदान रहता है जिन्होंने बच्चों को प्रारंभिक शिक्षा प्रदान की है। नीट परीक्षा परिणामों में संस्थान के बच्चों ने बहुत बेहतर प्रदर्शन किया है। संस्थान के 13 बच्चों ने 600 से अधिक अंक प्राप्त किए हैं जिसमें आदित्य राज शर्मा ने 687 अंक प्राप्त किए और दिवेश शर्मा ने 651, पुलकित शाही ने 645, रिशु सज ने 640, राहोमा ने 640, निखिल ठाकुर ने 637, शिवम अत्री ने 635, सुमन भादवाज ने 625, पिपुष मेहरा ने 624, मानिक खडवाल ने 622, निखिल राज ने 617, श्रेया शर्मा ने 610 व गगनदीप कपिल ने 603 अंक प्राप्त किए। 500 से अधिक अंक प्राप्त करने वाले बच्चों की संख्या 82 है। सभी कैंटेगरी में संस्थान के 130 से ज्यादा बच्चों का एम.बी.बी.एस. के लिए चयन होना संभावित है। संस्थान के निदेशक योगेंद्र कुमार मीणा ने सभी बच्चों को इस उपलब्धि पर बधाई दी उनके उत्कृष्ट भविष्य के लिए शुभकामनाएं दीं।



नीट 2022 में उतीर्ण छात्रों के साथ एस्पायर के अध्यक्ष गण जशन मनाते हुए

आर्थिक रूप से असह्य 20 बच्चों को एस्पायर मुहैया कराएगा नि.शुल्क रहन-सहन व शिक्षा: जेन ऑफ हिमाचल परीक्षा के माध्यम से 20 विद्यार्थियों का चयन "एस्पायर सुपर 20" बैच के लिए किया जाएगा और उन 20 बच्चों को एस्पायर संस्थान द्वारा एक वर्ष के लिए नि:शुल्क कॉर्चिंग के साथ-साथ होस्टल में नि:शुल्क रहन-सहन व खान-पान का प्रबंध भी किया जाएगा। इस बैच में प्रवेश पाने के लिए विद्यार्थियों को "जेन ऑफ हिमाचल" में बैठना अनिवार्य होगा। जेन ऑफ हिमाचल में अच्छा प्रदर्शन करने वाले बच्चों को दूसरे स्तर की परीक्षा के लिए आमंत्रित किया जाएगा। दूसरी परीक्षा में अच्छा प्रदर्शन करने वाले बच्चों को दस्तावेज सत्यापन व स्कॉलरशिप के लिए बुलाया जाएगा। दस्तावेज सत्यापन के पश्चात् "सुपर-20" बैच के लिए उतीर्ण बच्चों को सूची निकाली जाएगी। जो बच्चे अभी बाहरवीं कक्षा में पढ़ रहे हैं व 2023 में 12वीं कक्षा उतीर्ण करेंगे वे बच्चे इस बैच के लिए योग्य होंगे। इस परीक्षा के लिए विद्यार्थी 13 जुलाई से ऑनलाइन व ऑफलाइन आवेदन कर सकते हैं। ऑनलाइन आवेदन करने के लिए एस्पायर की वेबसाइट boh.aspireit.in पर जाकर विद्यार्थी अपना पंजीकरण सुनिश्चित कर सकते हैं। ऑफलाइन आवेदन के लिए विद्यार्थी शिमला विश्व एस्पायर संस्थान व उनका संस्थान में जाकर आवेदन कर सकते हैं।

NEET
हिमाचल
TOPPER
2022



687

AADITYA RAJ SHARMA
HILLGROVE PUB. SCH. SHIMLA

"I studied in Aspire from one year. My whole experience with this institution was great. I gained so much of knowledge and support from my teachers and Yogi sir. In my one year of journey my teachers were my motivators and guides. How to prepare for exam, what to prepare all was done with the help of Aspire Academy. I am sincerely thankful to each and every person of Aspire who helped me in my preparation and to achieve my goal."

(Divesh Sharma)

"I am Aaditya Raj Sharma. I scored 687 in NEET 2022. I would like to give credit of my success to Aspire Institute. I will always cherish my time in Aspire and I would like to express my gratitude to everyone from Aspire Family."

JEE
हिमाचल
TOPPER
(Female)



99.7
PERCENTILE

VANI PARASHAR
HILLGROVE PUB. SCH. SHIMLA

"I am Pulkit Shahi and I scored 645 marks in NEET 2022. I would like to give the credit to Aspire Institute for helping me turn my dreams into a reality. The faculty was always present to clear my doubts and solve problems. Even apart from studies the Academics are outstanding and I am definitely proud to be an Aspire alumni."



651

DIVESH SHARMA
DAV LAKKAR BAZAR, SHIMLA



645

PULKIT SHAHI
HILLGROVE. PUB.SCH. SHIMLA

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RESULT DECLARATION
OF ALL PARTICIPANTS