



toprangers.

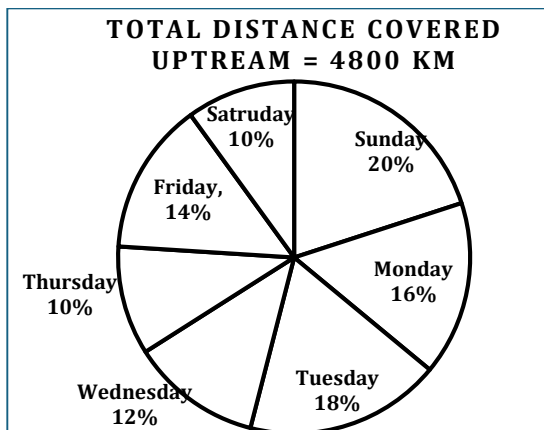
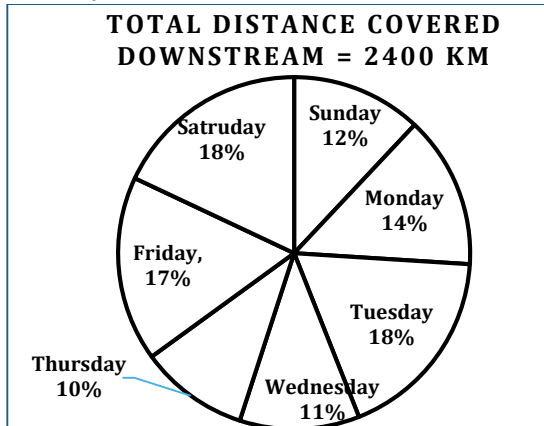
**SUPERGRADS**

# IPMAT ROHTAK 2019 OFFICIAL PAPER

[www.toprangers.com](http://www.toprangers.com)

**QUANTITATIVE ABILITY**

**Directions (Q.1-Q.5):** Study the data given below and answer the following questions. The pie charts shown below shows the distance covered by a boat moving upstream and downstream indifferent days of a week. And the table shows the speed of stream in km/hr. in different days of a week.



Day	Speed of Stream (km/hr)
Monday	5
Tuesday	2
Wednesday	6
Thursday	-
Friday	1
Saturday	-
Sunday	3

1. If the time taken by boat to travel upstream on Wednesday is  $\frac{6}{7}$  times than the time taken to travel downstream on Monday and the speed of boat in still water on Monday is 15 kmph then find the speed of boat in still water on Wednesday? (speed of boat in still water is different for different days)

- (a) 52 kmph
- (b) 62 kmph
- (c) 42 kmph
- (d) None of these

2. If the time taken by boat to travel upstream on Monday is  $27\frac{1}{5}$  hrs. more than the time taken by it to travel downstream on the same day, then find the speed of boat in still water on Monday? (speed of boat in still water is same in upstream as in downstream)

- (a) 25 kmph
- (b) 18 kmph
- (c) 20 kmph
- (d) 15 kmph

3. If the speed of boat in still water on Saturday was 27 km/hr and the speed of boat in still water on Wednesday was  $66\frac{2}{3}\%$  more than that of Saturday and time taken to travel upstream on Wednesday is  $\frac{16}{13}$  times than time taken by it to travel downstream on Saturday, then find the speed of stream (in kmph) on Saturday?

- (a) 2
- (b) 4
- (c) 9
- (d) 8

**IPMAT + CUET Batch 2025**

IPMAT Indore | IPMAT Rohtak | JIPMAT | CUET

Gear up for your upcoming entrance exams with some of the industry's finest teachers.

Join the league of 1000s of top scorers in **IPMAT & CUET now.**

PREPARE @ JUST ₹ 999

4. The speed of boat in still water on Saturday was 21 km/hr. and that on Sunday was  $28\frac{4}{7}\%$  more than that on Saturday, if the time taken by boat to travel upstream on Saturday is  $2\frac{1}{2}$  times the time taken to travel downstream on Sunday, then find the time taken by the boat to cover a distance of 125 km upstream on Saturday?

- (a) 6 hrs 45 min
- (b) 2 hrs 45 min
- (c) 4 hrs 30 min
- (d) 6 hrs 15 min

5. If the time taken by boat to travel upstream on Friday is 30 hours more than the time taken by it to travel

downstream on Wednesday and the speed of boat in still water on Friday is 17 kmph, then find the upstream speed of boat on Wednesday? (speed of boat in still water is different on different days)

- (a) 27 kmph (b) 22 kmph  
(c) 20 kmph (d) None of these

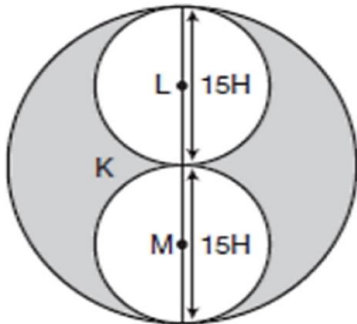
6. A Container contains X litres of Milk. A thief stole 50 litres of Milk and replaced it with the same quantity of water. He repeated the same process further two times. And thus, Milk in the container is only X-122 litres. Then what is the quantity of water in the final mixture?

- (a) 122 Litre (b) 124 Litre  
(c) 128 Litre (d) 250 Litre

7. Veena has to pay Rs.2460 to Sita, 5 Months later at 6% SI per annum, and Gita has to pay Sita same amount at 7.5% SI per annum after certain months. If both took the same amount of loan from Sita then Gita paid loan after how many months?

- (a) 3 Months (b) 4 Months  
(c) 6 Months (d) 12 Months

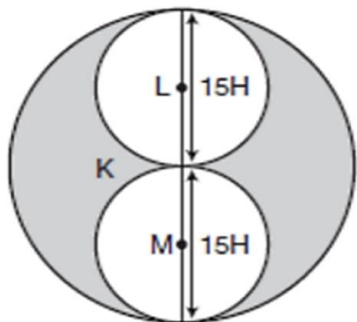
8. Use the figure below to answer questions 8 through 9.



What is the area of the shaded figure?

- (a)  $56.25\pi$  square feet (b)  $112.5\pi$  square feet  
(c)  $225\pi$  square feet (d)  $337.4\pi$  square feet

9. Use the figure below to answer questions 8 through 9.



What is the ratio of the area of Circle M and the area of Circle K?

- (a) 1 : 8 (b) 1 : 4

- (c) 1 : 2 (d) 1 : 1

10. If x% of y is equal to z then what percentage of z is x?

- (a)  $\frac{y^2}{100}$  (b)  $\frac{x^2}{100}$   
(c)  $\frac{100^2}{y}$  (d)  $\frac{100^2}{x}$

11. Train A takes 45 minutes more than train B to travel 450 km. Due to engine trouble, speed of train B falls by a quarter. So it takes 30 minutes more than Train A to complete the same journey. Find the speed of Train A.

- (a) 120 km/hr (b) 110 km/hr  
(c) 100 km/hr (d) 90 km/hr

12. One Trader calculates the percentage of profit on the buying price and another calculates on the selling price. When their selling prices are same, then the difference of their actual profit is Rs 85 and both claim to have made 20% profit. What is the selling price for each?

- (a) Rs. 3000 (b) Rs. 2550  
(c) Rs. 2800 (d) Rs. 4000

13. Due to increase of 20% in the price of eggs, 2 eggs less are available for Rs. 24. The present rate of eggs per dozen is

- (a) Rs. 28.8/dozen (b) Rs. 24.8/dozen  
(c) Rs. 25.8/dozen (d) Rs. 30/dozen

14.  $\sin\left(\frac{13\pi}{6}\right) = ?$

- (a)  $\frac{1}{2}$  (b)  $\frac{1}{\sqrt{2}}$   
(c)  $\frac{1}{\sqrt{3}}$  (d)  $\sqrt{3}$

15. Fruits were purchased for Rs. 350. 9 boys ate  $\frac{3}{5}$ th of them in 2 hours. 6 boys feel their stomach as full so do not eat further. In how many hours the remaining fruits will get finished by remaining boys?

- (a) 2 hours (b) 3 hours  
(c) 5 hours (d) 4 hours

16. If minimum value of  $f(x) = x^2 + 2bx + 2c^2$  is greater than the maximum value of  $g(x) = -x^2 - 2cx + b^2$ , then for real value of x.

- (a)  $|c| > \sqrt{2|b|}$  (b)  $\sqrt{2|c|} > b$   
(c)  $0 < c < \sqrt{2b}$  (d) no real value of a

17. The set of all real numbers x for which  $x^2 - |x + 2| + x > 0$ , is:

- (a)  $(-\infty, -2) \cup (2, \infty)$  (b)  $(-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty)$   
(c)  $(-\infty, -1) \cup (1, \infty)$  (d)  $(\sqrt{2}, \infty)$

18. What should come at the place of question mark?  
46080, 3840, 384, 48, 8, 2, ?
- (a) 1 (b)  $\frac{1}{64}$   
(c)  $\frac{1}{8}$  (d) None of these
19. A room has floor size of  $15 \times 6$  sq.cm. What is the height of the room, if the sum of the areas of the base and roof is equal to the sum of the areas of the four walls?
- (a) 1.12 cm (b) 3.24 cm  
(c) 4.29 cm (d) 2.5 cm
20. The sum of third and ninth term of an A.P is 8. Find the sum of the first 11 terms of the progression.
- (a) 44 (b) 22  
(c) 19 (d) None of the above
21. Given  $A = 2^{65}$  and  $B = (2^{64} + 2^{63} + 2^{62} + \dots + 2^0)$ , which of the following is true?
- (a) B is  $2^{64}$  larger than A  
(b) A and B are equal  
(c) B is larger than A by 1  
(d) A is larger than B by 1
22. A line from center to circumference of a circle is known as:
- (a) diameter (b) radius  
(c) area (d) midpoint
23. A bag contains 4 blue, 5 white and 6 green balls. Two balls are drawn at random. What is the probability that one ball is white?
- (a)  $\frac{10}{21}$  (b)  $\frac{1}{2}$   
(c)  $\frac{3}{4}$  (d)  $\frac{2}{35}$
24. Two pipes P and Q can fill a tank in 20hrs and 25hrs respectively while a third pipe R can empty the tank in 30hrs. If all the pipes are opened together for 10hrs and then pipe R is closed then in what time the tank can be filled.
- (a)  $\frac{400}{23}$  hrs (b)  $\frac{400}{27}$  hrs  
(c)  $\frac{200}{23}$  hrs (d)  $\frac{200}{27}$  hrs
25. Given ratio are  $a : b = 2 : 3$ ,  $b : c = 5 : 2$ ,  $c : d = 1 : 4$ . Find  $a : b : c$ .
- (a) 2 : 3 : 6 (b) 4 : 5 : 6  
(c) 10 : 15 : 6 (d) 1 : 5 : 7
26. If there are Rs 495 in a bag in denominations of one-rupee, 50 paise and 25 paise coins, which are in the ratio 1 : 8 : 16. How many 50 paise coins are there in the bag?
- (a) 50 (b) 220  
(c) 440 (d) None of these
27. What decimal of an hour is a second?
- (a) 0.0028 (b) 0.0027  
(c) 0.0026 (d) 0.0025
28. What will be vulgar fraction of 0.0056?
- (a)  $\frac{7}{1150}$  (b)  $\frac{7}{1175}$   
(c)  $\frac{7}{1250}$  (d)  $\frac{7}{1275}$
29. One-fifth of a number is equal to  $\frac{5}{8}$  of another number. If 35 is added to the first number, it becomes four times of the second number. Find the second number.
- (a) 39 (b) 70  
(c) 40 (d) 25
30. If  $*$  = +, / = -, + = \*, - = / then  $43 * 561 + 500 - \frac{100}{10} = ?$
- (a) 3211 (b) 2388  
(c) 2883 (d) 2838
31. A circle is inscribed in an equilateral triangle of side 24 cm, touching its sides. What is the area of the remaining portion of the triangle?
- (a)  $144\sqrt{3} - 48\pi$  cm<sup>2</sup> (b)  $121\sqrt{3} - 36\pi$  cm<sup>2</sup>  
(c)  $144\sqrt{3} - 36\pi$  cm<sup>2</sup> (d)  $121\sqrt{3} - 48\pi$  cm<sup>2</sup>
32. A clock strikes 4 taking 9 seconds. In order to strike 12 at the same rate, the time taken is
- (a) 33 seconds (b) 30 seconds  
(c) 36 seconds (d) 27 seconds
33. John's present age is one fourth of his father's age two years ago. John's father's age will be twice Raman's age after 10 years. If Raman's 12<sup>th</sup> birthday was celebrated 2 years ago, then what is John's present age?
- (a) 5 years (b) 7 years  
(c) 9 years (d) 11 years
34. Raj invested Rs.76000 in a business. After few months Monty joined him and invests Rs.57000. At the end of the year, both of them share the profits at the ratio of 2:1. After how many months Monty joined Raj?
- (a) 4 Months (b) 7 Months  
(c) 8 Months (d) 12 Months
35. Work done by P in one day is double the work done by Q in one day and work done by Q in one day is thrice the work done by R in one day. If P, Q and R together can complete the work in 30 days then in how many days P alone can do the work?
- (a) 52 days (b) 42 days

(c) 30 days

(d) 50 days

(c) 3

(d) 4

36. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water?

(a) 40 minute

(b) 1 hour

(c) 1 hr 15 min

(d) 1 hr 30 min

37. Simplification:  $25^{(2.7)} \times 5^{(4.2)} \div 5^{(5.4)} = ?$

(a)  $5^4$

(b)  $5^{(3.2)}$

(c)  $5^{(4.1)}$

(d)  $5^{(4.2)}$

38. Simplification:  $18800 / 470 / 20$

(a) 1

(b) 2

39. Find the HCF of  $\frac{2}{3}, \frac{4}{6}, \frac{8}{27}$

(a)  $\frac{2}{27}$

(b)  $\frac{8}{3}$

(c)  $\frac{2}{3}$

(d)  $\frac{8}{27}$

40. If  $\log 2, \log(2^x - 1)$  and  $\log(2^x + 3)$  are in A.P, then x is equal to \_\_\_\_\_.

(a)  $\frac{5}{2}$

(b)  $\log_2 5$

(c)  $\log_3 5$

(d)  $\frac{3}{2}$



## JOSH-1 Year long Batch for 2025

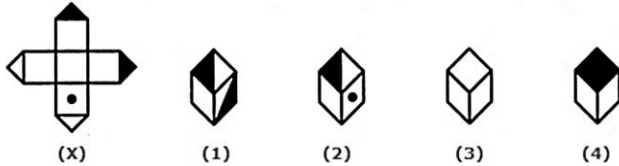
IPMAT Indore | IPMAT Rohtak | JIPMAT | Christ University Entrance Test | NPAT | Symbiosis Entrance Test | St. Xavier's Mumbai Entrance Test

- 600+ Live Lectures & their Recordings
- 23+ hard copy Rankers' Study Materials
- 100+ Full-length Mocks, 120+ Topic tests
- Interview Preparation for IIM Indore from Day 1
- 1-1 Personalized Mentorship & Performance Support



**LOGICAL REASONING**

41. Choose the box that is similar to the box formed from the given sheet of paper (X).



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

42. Pointing to Manju, Raju said, "The son of her only brother is the brother of my wife". How is Manju related to Raju?

- (a) Mother's sister                      (b) Grandmother  
(c) Mother-in-law                      (d) Sister of father-in-law

**Directions (Q.43 and Q.44):** a pair of words is given, followed by four pairs of words as alternatives. The candidate is required to choose the pair in which the words bear the same relationship to each other as the words of the given pair bear.

43. **Arrows: Quiver**

- (a) Fear: Tremble                      (b) Money: Bank  
(c) Sound: Music                      (d) Coin: Mint

44. **Embarrass: Humiliate**

- (a) Enquire: Ask                      (b) Embezzle: Peculate  
(c) Gamble: Investment                      (d) Annoy: Exasperate

**Directions (Q.45-Q.47):** Considering given statements as true, select a logical conclusion based on the given statements.

45. **Statements:**

No tree is a flower Some trees are fruits

**Conclusions:**

- (I) Fruits that are trees are not flowers.  
(II) No fruit is a flower.  
(a) Only conclusion I follows  
(b) Only conclusion II follows  
(c) Either conclusion I or II follows  
(d) Neither conclusion I nor II follow

46. **Statements:**

Lady's Finger is tastier than cabbage Cauliflower is tastier than Lady's Finger Cabbage is not tastier than peas

- (a) Peas are as tasty as lady's finger  
(b) Peas are as tasty as cauliflower and lady's finger  
(c) Peas is not tastier than lady's finger  
(d) Cauliflower is tastier than cabbage

47. **Statements:**

Some A are B. Some C are A.

**Conclusions:**

- (I) Some C are B.  
(II) Some B are A.  
(a) Only conclusion I follows  
(b) Only conclusion II follows  
(c) Either conclusion I or II follows  
(d) Neither conclusion I nor II follows

**Directions (Q.48-Q.52):** Study the following information carefully and answer the given questions.

Seven friends P, Q, R, S, T, U and V are sitting in a straight line which is composited with eight seats, some of them are facing north and some of them are facing south. Each of them likes different colours viz., Blue, White, Black, Yellow, Orange, Red and Purple. All the above information is not necessarily in the same order.

Three seats are there between T and P and both of them are not sitting at the extreme ends. The one who likes white colour is not sitting adjacent to the vacant seat. The one who likes red is an immediate neighbor of the one who likes White. The number of persons between U and Q is one less than the number of persons between Q and S. The only neighbor of V sits third to the left of R. U is facing same direction as T and opposite as Q. The immediate neighbour of V is not facing north direction. The one who likes Orange sits third to the left of T who likes neither blue nor black. The persons sit at the extreme ends are facing opposite direction. The number of seats between the one who likes



**Directions (Q.61 and Q.62):** In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

**61. Statement:** It is desirable to put the child in school at the age of 5 or so.

**Assumptions:**

- I. At that age the child reaches appropriate level of development and is ready to learn.
- II. The schools do not admit children after six years of age.

- (a) Only assumption I is implicit
- (b) Only assumption II is implicit
- (c) Either I or II is implicit
- (d) Neither I nor II is implicit

**62. Statement:**

"In order to bring punctuality in our office, we must provide conveyance allowance to our employees." - In charge of a company tells Personnel Manager.

**Assumptions:**

- I. Conveyance allowance will not help in bringing punctuality.
  - II. Discipline and reward should always go hand in hand.
- (a) Only assumption I is implicit
  - (b) Only assumption II is implicit
  - (c) Either I or II is implicit
  - (d) Neither I nor II is implicit

**63.** A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

- (a) West
- (b) South
- (c) North-East
- (d) South-West

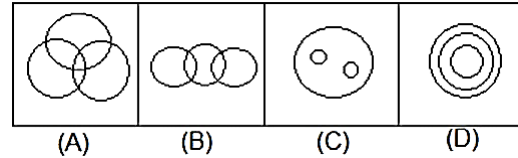
**64.** Find the missing number in the given series 2, 7, 10, 22, 18, 37, 26, ?

- (a) 52
- (b) 42
- (c) 62
- (d) 46

**65.** Look at this series: 544, 509, 474, 439, ... What number should come next?

- (a) 414
- (b) 404
- (c) 445
- (d) 420

**66.** Which of the following Venn diagrams given below correctly represents the students who learn law & music, music & dance, law & dance, and law, music, & dance?



- (a) A
- (b) B
- (c) C
- (d) D

**Directions (Q.27 and Q.28):** In each question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

**67. Statements:** In a one day cricket match, the total runs made by a team were 200. Out of these 160 runs were made by spinners.

**Conclusions:**

- I. 80% of the team consists of spinners.
  - II. The opening batsmen were spinners.
- (a) Only conclusion I follows
  - (b) Only conclusion II follows
  - (c) Either I or II follows
  - (d) Neither I nor II follows

**68. Statements:** The old order changed yielding place to new.

**Conclusions:**

- I. Change is the law of nature.
  - II. Discard old ideas because they are old.
- (a) Only conclusion I follows
  - (b) Only conclusion II follows
  - (c) Either I or II follows
  - (d) Neither I nor II follows

**Directions (Q.29-Q.31):** Given an input line a machine generates pass codes step by step following certain rules as illustrated below.

Step	I	95	13	67	84	76	18	38	78
Step	II	95	84	13	67	76	18	38	78
Step	III	95	84	78	13	67	76	18	38
Step	IV	95	84	78	76	13	67	18	38
Step	V	95	84	78	76	67	13	18	38
Step	VI	95	84	78	76	67	38	13	18
Step	VII	95	84	78	76	67	38	18	13

**69.** Which number comes in between 1<sup>st</sup> and 3<sup>rd</sup> number from left of 6<sup>th</sup> step of input?

- (a) 84
- (b) 13
- (c) 67
- (d) 18

**70.** Which number comes after 18 in the 4<sup>th</sup> step?

- (a) 95 (b) 76  
(c) 38 (d) 78
71. Which number comes in between 3<sup>rd</sup> and 5<sup>th</sup> number from left of 7<sup>th</sup> step of input?
- (a) 84 (b) 13  
(c) 67 (d) 76
72. Tanya's grandfather was 8 times older to her 16 years ago. He would be 3 times of her age 8 years from now. What was ratio of ages of Tanya and her grandfather 8 years ago.
- (a) 11: 50 (b) 11: 51  
(c) 11: 53 (d) 11: 54
73. A clock is such that it loses 4 minutes each day. The clock is set right on February 25, 2008 at 2 p.m. How many minutes should be added to get the right time when the clock shows 9 am on 3<sup>rd</sup> March, 2008?
- (a)  $\frac{9780}{359}$  (b)  $\frac{9340}{357}$   
(c)  $\frac{9120}{329}$  (d)  $\frac{8760}{269}$

**Directions (Q.34 and Q.35):** Study the following information carefully and answer the given questions.

**74. Statements:**

$$M = V; R \geq S; V < S; M > A; R \leq U$$

**Conclusions:**

- I.  $U > S$   
II.  $R = S$   
III.  $R > S$
- (a) Only I is true (b) Only II is true  
(c) Only III is true (d) Either II or III is true

**75. Statements:**

$$A < P = C \geq D; S > U \leq B < A; C < Q > S \geq V$$

**Conclusions:**

- I.  $U > V$   
II.  $B < C$   
III.  $Q > D$
- (a) Only I is true (b) Only II is true  
(c) Only I and III is true (d) Only II and III is true

76. **Fact 1:** Most stuffed toys are stuffed with beans.  
**Fact 2:** There are stuffed bears and stuffed tigers.

**Fact 3:** Some chairs are stuffed with beans.  
If the first three statements are facts, which of the following statements must also be a fact?

- I: Only children's chairs are stuffed with beans.  
II: All stuffed tigers are stuffed with beans.  
III: Stuffed monkeys are not stuffed with beans.
- (a) I only  
(b) II only  
(c) II and III only  
(d) None of the statements is a known fact.
77. If Atul finds that he is twelfth from the right in a line of boys and fourth from the left, how many boys should be added to the line such that there are 28 boys in the line?
- (a) 12 (b) 13  
(c) 14 (d) 20

**Directions (Q.38-Q.40):** Each Question given below has a problem and two statements numbered I, II and III giving certain information. You have to decide if the information given in the statements is sufficient for answering the problem.

78. Five persons - A, B, C, D and E are sitting in a row. Who is sitting in the middle?

- I. B is between E and C  
II. B is to the right of E  
III. D is between A and E.
- (a) I and II together. (b) II and III together.  
(c) I and III together. (d) I, II and III together.

79. In which year was Sanjay born?

- I. Sanjay is six years older than Gopal.  
II. Gopal's brother was born in 1982.  
III. Sanjay's brother is two years younger than Gopal's brother who was eight years younger.

- (a) I and II together. (b) II and III together.  
(c) I and III together. (d) I, II and III together.

80. In a certain code IMTITJU is written as TMIIUJT. How is TEMREMP written in that code?

- (a) METERPM (b) METRPME  
(c) ETRMMEP (d) MTERPME

# Experience The Supergrads Advantage



Interactive, Live Lectures by Highly Experienced Subject Matter Experts



AI-Integrated Dashboard for Consistent Performance Tracking



24x7 Regular Doubt-Clearing Support for Academic & Non-Academic Queries



Personalised 1-1 Mentorship for Strategy, Motivation & Guidance



Latest Exam Pattern-based Full-Length Mock Tests & Assignments



Highly Detailed Post-Test Evaluation after each Mock Test attempt



Practice 100% of the Syllabus with Customizable Topic & Section Tests



Regular Expert Sessions for Exam and Career-related Guidance



Preparation for each Step of the Selection Process, including Interview, Group Discussions



Assistance with EVERYTHING - from Form Filling to College Counselling

**VERBAL ABILITY AND READING COMPREHENSION**

**Directions (Q.81-Q.83):** In the following questions choose the word which is the exact OPPOSITE of the given words.

**81. ABOMINATE**

- (a) Gratify (b) Esteem  
(c) Console (d) Support

**82. ABHOR**

- (a) inspire (b) credit  
(c) improve (d) greatly admire

**83. ENORMOUS**

- (a) Soft (b) Average  
(c) Tiny (d) Weak

**Directions (Q.84-Q.86):** In the following the questions choose the word which best expresses the meaning of the given word.

**84. IMPROMPTU**

- (a) Offhand (b) Unimportant  
(c) Unreal (d) Effective

**85. WRETCHED**

- (a) Poor (b) Foolish  
(c) Insane (d) Strained

**86. ERRONEOUS**

- (a) Digressive (b) Confused  
(c) Impenetrable (d) Incorrect

**Directions (Q.87-Q.90):** Read the passage below and answer the questions that follow:

Harold a professional man who had worked in an office for many years had a fearful dream. In it, he found himself in a land where small slug-like animals with slimy tentacles lived on people's bodies. The people tolerated the loathsome creatures because after many years they grew into elephants which then became the nation's system of transport, carrying everyone wherever he wanted to go. Harold suddenly realised that he himself was covered with these things, and he woke up screaming. In a vivid sequence of pictures this dream dramatized for Harold what he had never been able to put in to words; he saw himself as letting society feed on his body in his early years so that it would carry him when he retired. He later threw off the "security bug" and took up free-lance work.

**87.** In his dream Harold found the loathsome creatures

- (a) in his village (b) in his own house  
(c) in a different land (d) in his office

**88.** Which one of the following phrases best helps to bring out the precise meaning of 'loathsome creatures'?

- (a) Security bug and slimy tentacles  
(b) Fearful dream and slug-like animals  
(c) Slimy tentacles and slug-like animals  
(d) slug-like animals and security bug

**89.** The statement that 'he later threw off the security bug' means that

- (a) Harold succeeded in overcoming the need for security  
(b) Harold stopped giving much importance to dreams  
(c) Harold started tolerating social victimisation  
(d) Harold killed all the bugs troubled him

**toprankers SUPERGRADS<sup>™</sup>**

## JOSH-1 Year long Batch for 2025

IPMAT Indore | IPMAT Rohtak | JIPMAT | Christ University Entrance Test  
| NPAT | Symbiosis Entrance Test | St. Xavier's Mumbai Entrance Test

- ✦ **600+** Live Lectures & their Recordings
- ✦ **23+** hard copy Rankers' Study Materials
- ✦ **100+** Full-length Mocks, 120+ Topic tests
- ✦ **Interview Preparation** for IIM Indore from Day 1
- ✦ **1-1 Personalized Mentorship & Performance Support**



**CLICK TO ENROLL NOW**

**90.** The passage talks about how he stopped being bothered about the need for security as "in a vivid sequence of pictures this dream dramatized for Harold what he had never been able to put in to words; he saw himself as letting society feed on his body in his early years so that it would carry him when he retired." This he later on threw off.

- Harold's dream was fearful because
- (a) it brought him face to face with reality  
(b) it was full of vivid pictures of snakes  
(c) he saw huge elephant in it  
(d) in it he saw slimy creatures feeding on people's bodies

**Directions (Q.91-Q.93):** an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.


91. His appearance is unsmiling but .....
- (a) his heart is full of compassion for others
  - (b) he looks very serious on most occasions
  - (c) people are afraid of him
  - (d) he is uncompromising on matters of task performance
92. In order to help the company attain its goal of enhancing profit, all the employees .....
- (a) urged the management to grant paid leave
  - (b) appealed the management to implement new welfare schemes
  - (c) voluntarily offered to work overtime with lucrative compensation
  - (d) voluntarily offered to render additional services in lieu of nothing
93. The manners and \_\_\_\_\_ of the nouveau riche is a recurrent \_\_\_\_\_ in the literature.
- (a) style, motif
  - (b) morals, story
  - (c) wealth, theme
  - (d) morals, theme

**Directions (Q.94-Q.96):** In questions below, each passage consists of six sentences. The first and sixth sentence are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labeled as P, Q, R and S. Find out the proper order for the four sentences.

- S1: The future beckons to us.  
 P: In fact we have hard work ahead.  
 Q: Where do we go and what shall be our endeavour?  
 R: We shall also have to fight and end poverty, ignorance and disease.

- S: It will be to bring freedom and opportunity to the common man.  
 S6: There is no resting for any one of us till we redeem our pledge in full.
94. The Proper sequence should be:
- (a) PSRQ
  - (b) QPSR
  - (c) QSRP
  - (d) SRPQ
95. S1: I had halted on the road.  
 P: As soon as I saw the elephant I knew I should not shoot him.  
 Q: It is a serious matter to shoot a working elephant.  
 R: I knew that his 'must' was already passing off.  
 S: The elephant was standing 8 yards from the road.  
 S6: I decided to watch him for a while and then go home. The Proper sequence should be:
- (a) SPQR
  - (b) PQSR
  - (c) RQPS
  - (d) SRPQ

96. S1: A noise started above their heads.  
 P: But people did not take it seriously.  
 Q: That was to show everyone that there was something wrong  
 R: It was a dangerous thing to do.  
 S: For, within minutes the ship began to sink.  
 S6: Nearly 200 lives were lost.
- (a) QRPS
  - (b) QPRS
  - (c) RPQS
  - (d) RQSP




## IPMAT + CUET Batch 2025

IPMAT Indore | IPMAT Rohtak | JIPMAT | CUET

Gear up for your upcoming entrance exams with some of the industry's finest teachers.

Join the league of 1000s of top scorers in IPMAT & CUET now.



Prepare @ Just ₹ 999

**Directions (Q.97 and Q.98):** Each question consist of two words which have a certain relationship to each other followed by four pairs of related words. Select the pair which has the same relationship.

97. TEN:DECIMAL
- (a) seven : septet
  - (b) four : quartet
  - (c) two : binary
  - (d) five : quince
98. Paw : Cat then Hoof :?
- (a) Lion
  - (b) Horse

- (c) Lamb
- (d) Elephant

**Directions (Q.99 and Q.100):** Some proverbs /idioms are given below together with their meanings. Choose the correct meaning of proverb/idiom

99. To make clean breast of
- (a) To gain prominence
  - (b) To praise oneself
  - (c) To confess without of reserve
  - (d) To destroy before it blooms

100. To have an axe to grind  
 (a) A private end to serve  
 (b) To fail to arouse interest  
 (c) To have no result  
 (d) To work for both sides

**Directions (Q.101 and Q.102):** Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'no error'. (Ignore the errors of punctuation, if any).

101. Solve as per the direction given above  
 (a) When I were a newspaper journalist  
 (b) I always relied on the news editor and  
 (c) the subs to put things right.  
 (d) no errors
102. Solve as per the direction given above  
 (a) I could count on one (b) hand the things  
 (c) I know about my friend (d) no errors

103. **Statement:** The average family income in the metros has increased today as compared to earlier, as in most families these days husbands and wives both are working. Which of the following inferences cannot be drawn from the above statement?  
 (a) Wives earn more than their husbands today.  
 (b) It was less prevalent for the spouse to work earlier than today.  
 (c) The family income level was lower a few years ago.  
 (d) More husbands and wives are working today as compared to last few years.

104. Should powerful nations attack relatively weaker nations which pose probable danger to world peace?

**Arguments:**

- Yes. War is justified for the noble purpose of peacekeeping.
- No. War/violence should never be resorted to.

- (a) If only 1 is implicit  
 (b) It only 2 is implicit  
 (c) If either assumption 1 or 2 is implicit  
 (d) If neither assumption 1 nor 2 is implicit

105. Answer the following Homonyms \_\_\_\_\_ is the most important city of a country.  
 (a) Capitol (b) Capetol  
 (c) Capital (d) Capitalisation

106. Answer the following Homonyms which of these expresses distance?  
 (a) Farther (b) Father  
 (c) Further (d) Ferther

**Directions (Q.107 and Q.108):** In questions given below, a part of the sentence is italicised and underlined. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option '(d)' is the answer.

107. There is no more room for you in this compartment.  
 (a) there is no more seat  
 (b) there is no more space  
 (c) there is no more accommodation  
 (d) No improvement]
108. If he would have tried he would have succeeded.  
 (a) is tried (b) was tried  
 (c) had tried (d) No improvement

**Directions (Q.109 and Q.110):** In each of the following questions, a word has been used in sentences in THREE different ways. Choose the option corresponding to the sentence in which the usage of the word is CORRECT or APPROPRIATE.

**109. CONFLATE**

- (I) I was able to conflate the two processes into one, blending it down into a solid formula.  
 (II) The bag is divided into conflate compartments.  
 (III) The dogs started to snarl at each other so I had to conflate them.  
 (a) Only (I) (b) Only (II)  
 (c) Only (III) (d) Both (I) and (II)

**110. RARE**

- (I) The coin was a rare edition and was not found in many collections around the world.  
 (II) Diagnosed with a rare form of bone cancer, the patient's doctors knew little about his unique condition.  
 (III) Standing in the rare of the long line, the family could barely see the entrance to the theatre.  
 (a) Only (I) (b) Only (II)  
 (c) Only (III) (d) Both (I) and (II)

**Directions (Q.111-Q.117):** Read the passage below and answer the questions that follow:

Concussions are brain injuries that occur when a person receives a blow to the head, face, or neck. Although most people who suffer a concussion experience initial bouts of dizziness, nausea, and drowsiness, these symptoms often disappear after a few days. The long-term effects of concussions, however, are less understood and far more severe.

Recent studies suggest that people who suffer multiple concussions are at significant risk for developing chronic traumatic encephalopathy (CTE), a degenerative brain

disorder that causes a variety of dangerous mental and emotional problems to arise weeks, months, or even years after the initial injury. These psychological problems can include depression, anxiety, memory loss, inability to concentrate, and aggression. In extreme cases, people suffering from CTE have even committed suicide or homicide. The majority of people who develop these issues are athletes who participate in popular high-impact sports, especially football. Although new sports regulations and improvements in helmet technology can help protect players, amateur leagues, the sports media, and fans all bear some of the responsibility for reducing the incidence of these devastating injuries.

Improvements in diagnostic technology have provided substantial evidence to link severe and often fatal psychological disorders to the head injuries that players receive while on the field.

Recent autopsies performed on the brains of football players who have committed suicide have shown advanced cases of CTE in every single victim. In response to the growing understanding of this danger, the National Football League (NFL) has revised its safety regulations. Players who have suffered a head injury on the field must undergo a concussion sideline assessment a series of mental and physical fitness tests before being allowed back in the game.

In an effort to diminish the amount of head and neck injuries on the field, NFL officials began enforcing stricter penalty calls for helmet-to-helmet contact, leading with the head, and hitting a defenceless player. Furthermore, as of 2010, if a player's helmet is accidentally wrenched from his head during play, the ball is immediately whistled dead. It is hoped that these new regulations, coupled with advances in helmet design, will reduce the number of concussions, and thus curb further cases of CTE. Efforts by the NFL and other professional sports leagues are certainly laudable; we should commend every attempt to protect the mental and physical health of players. However, new regulations at the professional level cannot protect amateur players, especially young people.

Fatal cases of CTE have been reported in victims as young as 21. Proper tackling form using the arms and shoulders to aim for a player's midsection should be taught at an early age. Youth, high school, and college leagues should also adopt safety rules even more stringent than those of the NFL. Furthermore, young athletes should be educated about the serious dangers of head injuries at an early age. Perhaps the most important factor in reducing the number of traumatic brain injuries, however, lies not with

the players, the coaches, or the administrators, but with the media and fans.

Sports media producers have become accustomed to showcasing the most aggressive tackles and the most intense plays. NFL broadcasts often replay especially violent collisions while the commentators marvel at the players physical prowess. Some sports highlights television programs even feature weekly countdowns of the hardest hits. When the media exalts such dangerous behavior, professionals are rewarded for injuring each other on the field and amateurs become more likely to try to imitate their favorite NFL athletes. Announcers, commentators, television producers, and sportswriters should engage in a collective effort to cease glorifying brutal plays. In turn, fans should stop expecting their favorite players to put their lives on the line for the purposes of entertainment. Players must not be encouraged to trade their careers, their health, their happiness, and even their lives for the sake of a game.

- 111.** Based on information in the passage, it can be inferred that all of the following statements are true except
- tackling is not always dangerous; however, players who use improper tackling form may injure others
  - scientists have established a definitive link between players who die untimely deaths and the onset of CTE
  - NFL officials have done little to address the problem of CTE
  - athletes who are praised for exceptionally brutal hits are likely to continue engaging in such dangerous behavior

toprankers.  
**SUPERGRADS<sup>™</sup>**

## IPM Astra Test Series

Practice with:

- 30 IPMAT Mock Tests
- 7 exclusive IPMAT Level-up Mock Tests for IPMAT-level practice
- 200 of the most important questions for 2025 IPAT exams

- Get detailed Graphical Analysis for every single test.
- Access post-test solutions' explanation on video.
- Take multiple Topic Tests to hone your section-wise preparation.



PREPARE @ JUST ₹ 999

112. According to the passage, which of the following factors contribute(s) to the incidence of CTE in amateur players?
- inconsistent application of safety regulations for all levels
  - lack of education about the dangers of head injuries
  - amateur players' desire to emulate professionals
- (a) I only                                      (b) II only  
(c) I and II only                                (d) II and III only
113. As used in paragraph 3, which is the best synonym for laudable?
- (a) praiseworthy                              (b) ineffectual  
(c) memorable                                 (d) Audacious
114. The author's tone in the final paragraph can best be described as
- (a) remorseful                                 (b) hopeless  
(c) perplexed                                 (d) insistent
115. As used in the final paragraph, which is the best antonym for exalts?
- (a) mitigates                                 (b) venerates  
(c) mollifies                                 (d) Expedites
116. In describing the sports media, the author emphasizes its
- (a) responsibility                              (b) entertainment value  
(c) senselessness                              (d) Danger
117. In the final paragraph, the author mentions sports highlights television programs as an example of how
- the media glorifies violence
  - amateurs learn to mimic professional athletes
  - professional athletes gain approval
- (a) I only                                        (b) II only  
(c) I and II only                                (d) II and III only

**Directions (Q.118-Q.120):** Read the passage below and answer the questions that follow:

The ravages [of the storm] were terrible in America, Europe, and Asia. Towns were overthrown, forests uprooted, coasts devastated by the mountains of water which were precipitated on them, vessels cast on the shore, whole districts levelled by waterspouts, several thousand people crushed on land or drowned at sea; such were the traces of its (468), left by this devastating tempest.

118. What is the meaning of the word overthrown in the context of this passage?
- (a) surrendered                                (b) devastated  
(c) capitulated                                (d) Yielded
119. What is the meaning of the word leveled as it is used in the passage?
- (a) razed                                        (b) marked  
(c) spread                                      (d) Raised
120. Which word, if inserted in the blank, makes the most sense in the context of the passage?
- (a) Velocity                                    (b) Fury  
(c) Reward                                     (d) Benevolence

## JOSH-1 Year long Batch for 2025

IPMAT Indore | IPMAT Rohtak | JIPMAT | Christ University Entrance Test  
| NPAT | Symbiosis Entrance Test | St. Xavier's Mumbai Entrance Test

- 600+ Live Lectures & their Recordings
- 23+ hard copy Rankers' Study Materials
- 100+ Full-length Mocks, 120+ Topic tests
- Interview Preparation for IIM Indore from Day 1
- 1-1 Personalized Mentorship & Performance Support



# SuperGrads Study Material

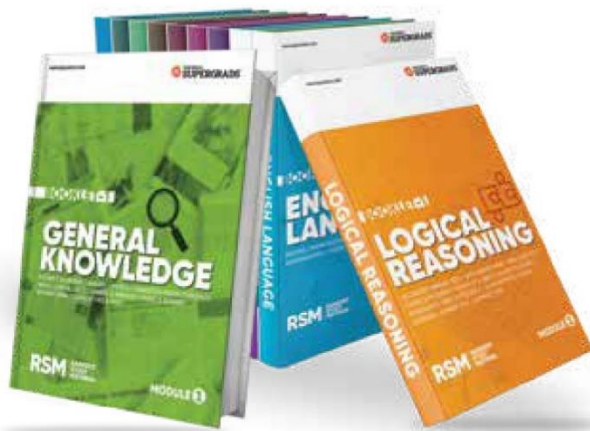
## GRAND MASTER'S BOX



## SURESHOT PRACBOOK



## RANKERS' STUDY MATERIAL



## MOCK ANALYSIS COPY



**SCAN TO BUY NOW**



## ANSWER KEY AND EXPLANATIONS

## QUANTITATIVE ABILITY

1. (d)  $\frac{12 \times 48}{x-6} = \frac{14 \times 24}{15+5} \times \frac{6}{7}$   
 $x - 6 = 40$   
 $x = 46$  km/hr
2. (a)  $\frac{16 \times 48}{x-5} = \frac{14 \times 24}{x+5} + 27 \frac{1}{5}$   
 By option if we put  $x = 25$   
 Then L.H.S. = R. H. S
3. (c) Given,  
 Speed of boat in still water on Saturday = 27 km/hr and  
 Speed of boat in still water on Wednesday  
 $= 27 + 18 = 45$  km/hr  
 Now,  $\frac{12 \times 48}{45-6} = \frac{18 \times 24}{27+x} \times \frac{16}{13}$   
 $x = 9$  kmph
4. (d) Speed of boat in still water on Saturday = 21 km/hr  
 Speed of boat in still water on Sunday =  $21 + 6 = 27$  km/hr  
 $\frac{10 \times 48}{21-x} = \frac{5}{2} \times \frac{12 \times 24}{27+3}$   
 $21 - x = 20$   
 $x = 1$  km/hr  
 Required time =  $\frac{125}{21-1} = \frac{125}{20} = 6$  hrs 15 min
5. (d)  $\frac{14 \times 48}{17-1} = 30 + \frac{11 \times 24}{x+6}$   
 $x + 6 = 22$   
 $x = 16$  km  
 Upstream speed on Wednesday =  $16 - 6 = 10$  km/hr
6. (a) Total container - Milk amount = water amount  
 $x - (x - 122) = 122$ .
7. (b)  $2460 = P + P \times 6 \times \frac{5}{12} \times 100$   
 $p = 2400$   
 Now Gita  
 $2460 = 2400 + 2400 \times 7.5 \times \frac{x}{12} \times 100$   
 $x = 4$
8. (b) Radius of large circle =  $\frac{30}{2} = 15$   
 Radius of each small circle =  $\frac{15}{2}$   
 Shaded area = area of large circle - area of 2 small circles  
 $= \pi R^2 - 2\pi r^2$   
 $= \pi \left[ 15^2 - 2 \times \left( \frac{15}{2} \right)^2 \right] = \pi \left[ 225 - \frac{225}{2} \right] = \pi \cdot 225 \left[ 1 - \frac{1}{2} \right]$   
 $= 112.5\pi$  square feet
9. (b) Area of circle =  $\pi r^2$   
 $\Rightarrow r = \frac{15}{2}$   
 Area of circle M =  $\frac{22}{7} \times \frac{15^2}{4} = \frac{22}{7} \times \frac{225}{4}$   
 Area of circle K =  $\frac{22}{7} \times 225$   
 Ratio =  $\frac{\frac{22}{7} \times \frac{225}{4}}{\frac{22}{7} \times 225} = 1:4$
10. (c)  $\left( \frac{x}{100} \right) y = z$   
 $\left( \frac{x}{z} \right) = \left( \frac{100}{y} \right)$

$$\left( \frac{x}{z} \right) \times 100 = 100 \times \left( \frac{100}{y} \right)$$

$$\Rightarrow \frac{100^2}{y}$$

11. (c) Let speed of A = A km/hr and speed of B = B km/hr  
 According to the question;  
 $\Rightarrow \frac{450}{A} - \frac{450}{B} = \frac{45}{60}$   
 $\Rightarrow \left( \frac{1}{A} - \frac{1}{B} \right) = \frac{1}{600}$   
 And  
 $\Rightarrow \frac{450}{\left( \frac{3B}{4} \right)} - \frac{450}{A} = \frac{30}{60}$   
 $\Rightarrow \frac{4}{3B} - \frac{1}{A} = \frac{1}{900}$   
 Adding both the equations;  
 $\Rightarrow \frac{4}{3B} - \frac{1}{B} = \frac{1}{600} + \frac{1}{900}$   
 $\frac{1}{3B} = \frac{5}{1800}$   
 $\Rightarrow B = 120 \frac{\text{km}}{\text{hr}}$   
 Putting this value in equation 1;  
 $\Rightarrow \frac{1}{A} = \frac{1}{600} + \frac{1}{120} = \frac{6}{600}$   
 $\Rightarrow A = 100$  km/hr  
 $\therefore$  Speed of A = 100 km/hr
12. (b) From question, we can say:  
 Let S.P. =  $1.2CP_2$   
 $0.8$  S.P. =  $CP_2$   
 $CP_1 - CP_2 = 85$   
 $1.2SP - 0.8SP = 85$   
 S.P. = Rs. 2550
13. Original rate = Rs. x per egg  
 New rate = Rs.  $\frac{6x}{5}$  per kg  
 $\therefore \frac{24}{x} - \frac{24 \times 5}{6x} = 2$   
 $\Rightarrow \frac{24}{x} - \frac{20}{x} = 2$   
 $\Rightarrow \frac{4}{x} = 2 \Rightarrow x = 2$   
 $\therefore$  New rate =  $\frac{4}{x} = 2 \Rightarrow x = 2$   
 $\therefore$  rate per dozen of eggs  
 $= \text{Rs.} \left( \frac{15}{2} \times 12 \right) = \text{Rs.} 28.80$
14. (a)  $\sin \left( \frac{13\pi}{6} \right) = \sin \left( 2\pi + \frac{\pi}{6} \right) = \sin \left( \frac{\pi}{6} \right) = \frac{1}{2}$
15. (d) Remaining boys = 3, remaining fruits =  $\frac{2}{5}$  Eating is work here. So  $M1 \times H1 \times W2 = M2 \times H2 \times W1$   
 $9 \times 2 \times \left( \frac{2}{5} \right) = 3 \times H2 \times \left( \frac{3}{5} \right)$   
 Solve,  $H2 = 4$
16. (a) We have  
 $f(x) = x^2 + 2bx + 2c^2 = (x + b)^2 + 2c^2 - b^2$   
 $\Rightarrow \min f(x) = 2c^2 - b^2$   
 $= b^2 + c^2 - ((x + c)^2)$   
 So  $\max g(x) = b^2 + c^2$   
 Since  $\min f(x) > \max g(x)$   
 so  $2c^2 - b^2 > b^2 + c^2$   
 $\Rightarrow c^2 > 2b^2$

$$\Rightarrow |c| > \sqrt{2}|b|$$

17. (b) Let  $f(x) = x^2 - |x + 2| + x > 0$

If  $x \leq -2$

$$f(x) = x^2 + x + 2 + x$$

$$= x^2 + 2x + 2$$

$$\Delta = 2^2 - 4(2)$$

$$\Delta = -4 < 0$$

$$\therefore f(x) = x^2 + 2x + 2 > 0 \text{ (always)}$$

$$x \in [-\infty, -2] \rightarrow \text{Equation - 1}$$

If  $x > -2$

$$f(x) = x^2 - x - 2 + x > 0$$

$$x^2 - 2 > 0$$

$$\therefore x \in (-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty)$$

$$x \in (-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty) \rightarrow \text{Equation - 2}$$

From 1 and 2,  $x \in (-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty)$

$$\therefore x \in (-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty)$$

18. (a)  $46080 \div 12 = 3840$

$$3840 \div 10 = 384$$

$$384 \div 8 = 48$$

$$48 \div 6 = 8$$

$$8 \div 4 = 2$$

$$2 \div 2 = 1$$

19. (c)  $lb + lb = lh + hb + lh + hb$

$$2lb = 2h(l + b)$$

$$h = \frac{lb}{l + b}$$

$$h = 15 \times \frac{6}{15} + 6 = 4.29 \text{ cm}$$

20. (a) The third term  $t_3 = a + 3d$

The ninth term  $t_9 = a + 8d$

$$t_3 + t_9 = 2a + 10d = 8$$

Sum of first 11 terms of an AP is given by

$$S_{11} = 211[2a + 10d]$$

$$S_{11} = 211 \times 8 = 44$$

21. (d)  $B$  is in G.P. with  $a = 2^0, r = 2, n = 65$

$$\therefore S_n = \frac{a(r^n - 1)}{r - 1} = \frac{2^0(2^{65} - 1)}{2 - 1} = 2^{65} - 1$$

$$\therefore B = 2^{65} - 1$$

$$\Rightarrow B = A - 1$$

$$\therefore A \text{ is larger than } B \text{ by } 1.$$

22. (a) diameter

23. (a) at first drawn  $W$ , at second drawn  $G$

$$\text{Probability} = \frac{5}{15} \times \frac{6}{14} \text{ (without replacement)}$$

at first drawn  $W$ , at second drawn  $B$

$$\text{Probability} = \frac{5}{15} \times \frac{4}{14} \text{ (without replacement)}$$

at first drawn  $B$ , at second drawn  $W$

$$\text{Probability} = \frac{4}{15} \times \frac{5}{14} \text{ (without replacement)}$$

at first drawn  $G$ , at second drawn  $W$

$$\text{Probability} = \frac{6}{15} \times \frac{5}{14} \text{ (without replacement)}$$

$$\text{So, required probability} = \frac{(30+20+20+30)}{15} \times 14 = \frac{10}{21}$$

24. (b) Amount of work to be done = LCM(20,25,30) = 300 units.

P can do 15 units/hr

Q can do 12 units/hr

R can do 10 units /hr

Together they can do  $15 + 12 - 10 = 17$  units /hr  $10\text{hr} = 170$  units.

Now, only P and Q work. They can fill 27 units/hr.

remaining is  $\frac{130}{27}$ .

Total time is  $\frac{130}{27} + 10 = \frac{400}{27}$  hours.

**SUPERGRADS™**

## IPM Astra Test Series

Practice with:

- 10 IPMAT Mock Tests
- 70+ Tutorials IPMAT Level-up Mock Tests for IPMAT - level practice
- 300 of the most important questions for 2020s IPM exams.

- Get detailed Graphical Analysis for every single test.
- Access post-test solutions' explanation on video.
- Take multiple Topic Tests to hone your section-wise preparation.



**PREPARE @ JUST ₹ 999**

25. (c) is the correct answer.

$$a : b : c : d$$

$$2 : 3 : 3 : 3$$

$$5 : 5 : 2 : 2$$

$$1 : 1 : 1 : 4$$

$$\underline{10 : 15 : 6 : 24}$$

26. (c) 1 no 1 Rupee coin = Rs.1

8 no 50 paise coin = Rs.4

16 no 25 paise coin = Rs.4

Total  $1 + 4 + 4 = \text{Rs.}9$

$\text{Rs.}495 \div \text{Rs.}9 = 55$

No of 50 paise coin =  $55 \times 8 = 440$

27. (b) It is known that,

$$1 \text{ hour} = 60 \text{ minutes } 1 \text{ minute} = 60 \text{ seconds}$$

Thus, one hour into seconds is,

$$1 \text{ hour} = 60 \times 60$$

$$\Rightarrow 1 \text{ hour} = 3600 \text{ seconds}$$

Now, one second into hours is,

$$1 \text{ second} = \frac{1}{3600} \text{ hours}$$

$$\Rightarrow 1 \text{ second} = 0.002777... \text{ hours}$$

$$\Rightarrow 1 \text{ second} = 0.0027 \text{ hours}$$

**Therefore, the decimal value of a second in an hour is 0.0027 hours.**

28. (c) 0.0056 as a fraction equals  $\frac{56}{10000}$  or  $\frac{7}{1250}$ .

29. (c) Let the number be  $x$  and  $y$ . Then,

$$\frac{x}{5} = \frac{5y}{8}$$

$$\Rightarrow y = \frac{8x}{25} \text{ --- (i)}$$

$$\Rightarrow x + 35 = 4y$$

$$\Rightarrow x + 35 = \frac{32x}{25} \text{ \{From (i)\}}$$

$$\Rightarrow x = 125$$

$$\therefore y = 40$$

30. (d)  $43 \times 561 + 500 - \frac{100}{10}$

$$= 43 + 561 \times \frac{500}{100} - 10$$

$$= 43 + 561 \times 5 - 10$$

$$= 43 + 2805 - 10 = 2838$$

31. (a) We know the relation between area of triangle, semi-perimeter, radius of inner circle is  $R = \frac{A}{s}$ , where A is area of triangle, s is semi perimeter, R radius of in-circle.

Given, the side of an equilateral triangle is 24 cm .

Also, semi perimeter s can be given as  $= \frac{(24+24+24)}{2} =$

36 cm.

The formula for the area A for the equilateral triangle is

$$\left(\frac{\sqrt{3}}{2}\right) \text{side}^2.$$

$$\text{So, the area will be } \left(\frac{\sqrt{3}}{2}\right) 24^2 = 144\sqrt{3}.$$

Now, we have got the value of A and s, so we can easily

$$\text{calculate the value of R as follows: } R = \frac{144\sqrt{3}}{36} = 4\sqrt{3}$$

Formula for area for the circle is  $\pi$  radius<sup>2</sup> since we have got the radius, we can move further.

$$\text{Area of the circle will be } \pi R^2 = \pi \times 4^2 \times 3 = 48\pi.$$

Area of the remaining portion will be equal to the area of the circle subtracted from the total area of the triangle. Viz.

$$(144\sqrt{3} - 48)\pi \text{cm}^2$$

32. (a) The Clock strikes 4 taking 9 seconds, then to strike 12 at the same rate takes time =?

As we know, the clock striking 4 is simply having 3 gaps which are further called **3 intervals**.

For 3 gaps, it takes equal time intervals.

$$9 \text{ seconds}/3 \text{ intervals} \Rightarrow \mathbf{1 \text{ interval take 3 seconds.}}$$

**Due to the same rate,**

In order to strike 12, it takes 3 seconds for each interval.

Since it has 11 gaps also referred to as 11 intervals.

So, **11 × 3 = 33 seconds. 33 seconds is enough to strike 12 at the rate at which the clock strikes 4 by taking 9 seconds.**

**Hence,** A clock strikes 4 taking 9 seconds, in order to strike 12 at the same rate the time taken is 33 seconds.

33. (c) Let John's present Age be J

John's father present Age is F

Raman's present age is R

John's present age is one fourth of his father's age two years ago.

$$J = \frac{(F-2)}{4} \quad \dots(1)$$

John's father's age will be twice Raman's age after 10 years.

$$F + 10 = 2(R + 10)$$

$$\Rightarrow \frac{(F+10)}{2} = R + 10$$

$$\Rightarrow \frac{F}{2} - 5 = R \quad \dots(2)$$

If Raman's 12th birthday was celebrated 2 years ago.

$$R - 2 = 12$$

$$\Rightarrow R = 14 \quad \dots(3)$$

Putting Value of R in equation 2

$$\frac{F}{2} - 5 = 14$$

$$\frac{F}{2} = 19$$

$$F = 38 \quad \dots(4)$$

Putting value of F in equation 1

$$J = \frac{(F-2)}{4}$$

$$J = \frac{36}{4}$$

$$J = 9$$

34. (a) Assume that Monty joins for x months . Then:

$$\text{Raj : Monty} = 76000 \times 12 : 57000 \times x = 2:1$$

$$\text{or, } 76 \times 12 : 57x = 2:1$$

$$\text{or, } 76 \times \frac{12}{57} x = \frac{2}{1} = 2$$

$$\text{or, } x = 76 \times \frac{12}{57} \times 2$$

$$\text{or, } x = 8$$

Hence Monty was there in the business for 8 months, or joined after 12 - 8 = 4 months.

Monty joined after 4 months.

35. (d) Lets say 'x' is the amount of work done by R in one day.

So, 3x is the amount of work done by Q in one day

and 2 × 3x = 6x is the amount of work done by P in one day

If P, Q and R together doing work in 30 days then total amount of work done = 30 × (6x + 3x + x) = 1

$$300x = 1$$

$$x = \frac{1}{300}$$

So amount of work done by P in 1 day is 6x = 6 ×  $\frac{1}{300} = \frac{1}{50}$

So to complete the work by P alone no. of days required = 50 days.

36. (c) Rate downstream =  $\left(\frac{1}{10} \times 60\right) \text{ km/hr} = \frac{6 \text{ km}}{\text{hr}}$ .

Rate upstream = 2 km/hr.

$$\text{Speed in still water} = \frac{1}{2} (6 + 2) \text{ km/hr} = 4 \text{ km/hr}$$

$$\therefore \text{Required time} = \left(\frac{5}{4}\right)_{\text{hrs}}$$

$$= 1 \text{ hr } 15 \text{ min}$$

37. (d)  $25^{2.7} \times 5^{4.2} \div 5^{5.4}$

$$= 5^{5.4} \times 5^{4.2} \div 5^{5.4}$$

$$= 5^{5.4} \times 5^{4.2} \div 5^{5.4}$$

$$= 5^{5.4} \times 5^{-1.2}$$

$$= 5^{(5.4-1.2)}$$

$$= 5^{4.2}$$

38. (b) Given Expression = 18800 ÷ 470 ÷ 20

$$\left(\frac{18800}{470}\right) \div 20 = 40 \div 20 = 2$$

39. (a)  $\frac{2}{3}, \frac{2}{3}, \frac{8}{27}$

$$\text{HCF of fractions} = \frac{\text{HCF of Numerators}}{\text{LCM of Denominator}}$$

$$\text{HCF of Numerators}(2, 2, 8) = 2$$

$$\text{LCM of Denominator}(3, 3, 27) = 27$$

$$\text{HCF of fractions} = \frac{2}{27}$$

40. (b) The numbers log 2, log(2<sup>x</sup> - 1) and log(2<sup>x</sup> + 3) are in A.P.

$$\therefore \log(2^x - 1) - \log 2 = \log(2^x + 3) - \log(2^x - 1)$$

$$\begin{aligned} \Rightarrow \log\left(\frac{2^x-1}{2}\right) &= \log\left(\frac{2^x+3}{2^x-1}\right) \\ \Rightarrow \frac{2^x-1}{2} &= \frac{2^x+3}{2^x-1} \\ \Rightarrow (2^x-1)^2 &= 2(2^x+3) \\ \Rightarrow 2^{2x} + 1 - 2 \cdot 2^x &= 2 \cdot 2^x + 6 \\ \Rightarrow 2^{2x} - 4 \cdot 2^x - 5 &= 0 \\ \text{Let } 2^x &= y \\ \Rightarrow y^2 - 4y - 5 &= 0 \\ \Rightarrow (y-5)(y+1) &= 0 \\ \Rightarrow y = 5 \text{ or } y = -1 \\ \therefore 2^x = 5 \text{ or } 2^x = -1 & \text{ (not possible)} \\ \text{Taking log on both sides, we get:} \\ \log 2^x &= \log 5 \\ \Rightarrow x \log 2 &= \log 5 \\ \Rightarrow x = \frac{\log 5}{\log 2} &= \log_2 5 \end{aligned}$$

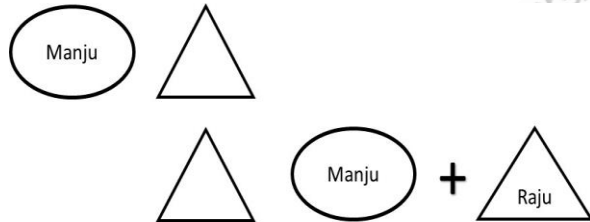
**LOGICAL REASONING**

41. (a) When we fold the flaps to form a cube, we can see that half of the top side of the cube is shaded. Therefore options (1) and (4) are ruled out as (4) has completely shaded side and (1) has two half shaded sides which are not possible. Therefore options (2) and (3) are the correct answer.

The question is "Choose the box that is similar to the box formed from the given sheet of paper (X)."

Hence, the answer is 2 and 3 only  
Choice (c) is the correct answer.

42. (d) is the correct answer.



43. (b) Quiver is a container for holding arrows i.e. Arrows are kept in a Quiver.

From the options, we can see that Money : Bank has the same relationship as that of Arrows: Quiver. Bank is a place where money is kept.

Hence, the answer is Money: Bank

44. (d) Embarrass means to disrupt someone's comfort or composure whereas humiliate means to disrupt someone's dignity and self respect. We can see that humiliation is the extreme of embarrassment.

Similarly from the choice Annoy : Exasperate have the same relationship. Annoy is making someone a little angry while exasperate is making someone frustrated or irritated intensely.

Hence, the answer is Annoy: Exasperate

45. (a) Conclusion (I) = [TRUE] [because flower and tree are in no relation]

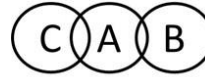
(II) because we have definite relation between flower and fruits so it may or may not be true.

So, (A) only conclusion I follows.

46. (d) Lady's finger > cabbage  
Carli flower > Lady's finger  
Cabbage ≤ Peas  
Cauliflower > Lady's finger > Cabbage ≤ peas  
Option (a), (b), (c) may or may not be true. But option (d) is definitely true.

Hence, option (d) is correct answer.

47. (b) is the correct answer.

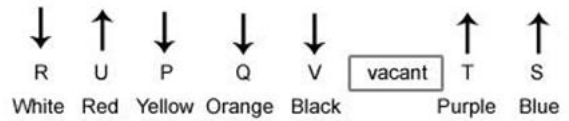


COD (I) - False

COD (II) - True

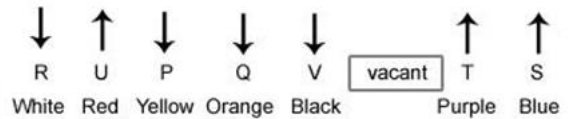
Hence option (b) is correct Answer.

48. (c)



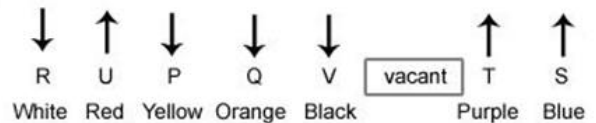
Option (c) is correct answer.

49. (c)



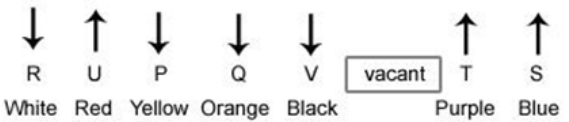
Option (c) is correct answer.

50. (b)



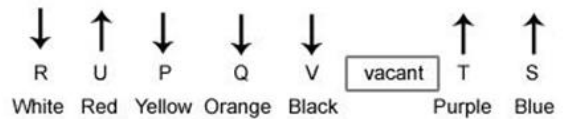
Option (b) is correct answer.

51. (b)



Option (b) is correct answer.

52. (d)



Option (d) is correct answer.

53. (d)

TARAIN1o14A A†1o1NIARAT

Option (d) is the correct answer.

54. (a) is the correct answer.

DE	Monday	A
----	--------	---

	Tuesday	D
	Wednesday	B
	Thursday	E
DE	Friday	C

55. (a) is the correct answer.

DE	Monday	A
	Tuesday	D
	Wednesday	B
	Thursday	E
DE	Friday	C

56. (b) is the correct answer.

DE	Monday	A
	Tuesday	D
	Wednesday	B
	Thursday	E
DE	Friday	C

57. (a) Clearly, each of the given statements shows that B is sitting opposite to C or B is the partner of C.

58. (a) Correct option is B)

Statement II reveals that 17<sup>th</sup> was a Saturday and therefore, 14<sup>th</sup> was Wednesday. So, only statement II is needed to answer the given question. Option B

59. (b) Reverse the word and +1 to each letter. The reverse of CHILDREN is NERDLIHC. Add 1 to each letter. Therefore, the code of CHILDREN becomes OFSEMJID.

60. (b) is the correct answer.

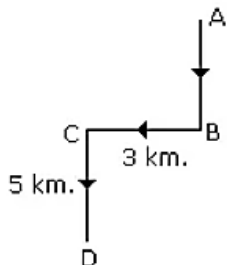
61. (a) The correct option is A If only assumption I is implicit Since the statement talks of putting the child in school at the age of 5, it means that the child is mentally prepared for the same at this age. So, I is implicit. But nothing about admission after 6 years of age is mentioned in the statement. So, II is not implicit.

62. (b) The statement talks about providing allowance to employees in order to bring punctuality in them but assumption I completely deny the statement whereas assumption II has a positive point that it may make employees to be punctual.

Hence assumption II is implicit.

Hence option (b) is true.

63. (d) Hence required direction is South-West.



64. (a) 2, 10, 18 are increased by 8.

$$\Rightarrow 7 + 15 = 22$$

$$\Rightarrow 22 + 15 = 37$$

7, 22 are increased by 15.

So, add 15 to 37 to get missing number.

$$\Rightarrow 37 + 15 = 52$$

Missing number is 52.

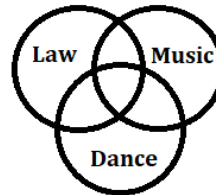
2, 7, 10, 22, 18, 37, 26, 52

65. (b) This is a simple subtraction series.

Each number is 35 less than the previous number.

(544 - 35 = 509) (509 - 35 = 474) (474 - 35 = 439) (439 - 35 = 404)...

66. (a)



So the answer is (a).

67. (a) According to the statement, 80% of the total runs were made by spinners. So, I does not follow. Nothing about the opening batsmen is mentioned in the statement. So, II also does not follow.

68. (a) Clearly, I directly follows from the given statement. Also, it is mentioned that old ideas are replaced by new ones, as thinking changes with the progressing time. So, II does not follow.

69. (a) is the correct answer.

70. (c) is the correct answer.

71. (d) is the correct answer.

72. (c) 16 years ago, let T = x years and G = 8x years

After 8 years from now,

T = (x + 16 + 8) years and G = (8x + 16 + 8) years

$$\therefore 8x + 24 = 3(x + 24)$$

$$\Rightarrow 8x - 3x = 72 - 24$$

$$\Rightarrow 5x = 48$$

8years ago,

$$\frac{T}{G}$$

$$= x + \frac{8}{8x} + 8$$

$$= \frac{48}{5} + \frac{8}{8} \times \frac{48}{5} + 8$$

$$= 48 + \frac{40}{384} + 40$$

$$= \frac{88}{424}$$

$$= \frac{11}{53}$$

73. (a) Actual time passed = (6 days × 24 hours) + 19 hours = 163 hours.

Given that the clock losses 4 minute in every single day.

1 day = 24 hours = 24 × 60 = 1440 minutes.

In 1440 minutes, the clock losses 4 minutes.

Therefore, the minute hand moves at a slightly slower pace.

The speed of minute hand can be expressed

as  $\frac{1436}{1440}$  fractional part of one minute.

Actual time elapsed is just the reciprocal of it. (i.e.)  $\frac{1440}{1436}$

Thus, in the given time of 163 hours,

Actual time elapsed = 163 (hours) × 60 (minutes)

$$\times \frac{1440}{1436} \text{ (minutes hand)}$$

But due to loss in time, the time elapsed by clock is =  $163 \times 60$

$$\text{Difference} = (163 \times 60 \times \frac{1440}{1436}) - (163 \times 60) = \frac{9780}{359}$$

This difference must be added to get the right time.

Hence, the answer is  $\frac{9780}{359}$ .

74. **(d)** Consolidating the inequalities, we get  $A < M = V < S \leq R \leq U$

We can see that  $U \geq S$  and therefore conclusion I is not entirely true.

Also  $R \geq S$  and therefore it is either II or III.

Hence, the answer is Either II or III is true

Choice (d) is the correct answer

75. **(d)** Conclusion I says  $U > V$ . We definitely know that both U and V are lesser than Q but not sure about whether  $U > V$  or  $V > U$ . So this is not definite.

We know that  $A < P = C$  and  $B < A$  and therefore  $B < A < P = C$ . Conclusion II is correct.

We know that  $P = C < Q$  and  $D \leq P = C$  and therefore  $D \leq P = C < Q$ . Conclusion III is also correct.

Only II and III are correct.

Hence, the answer is Only II and III is true

Choice (d) is the correct answer

76. **(d)** I is not a fact as we know that some chairs are stuffed with beans but nothing about whether those chairs are children's chair or not.

II is not a fact as we have no information on stuffed tigers and beans.

III is also not a fact as there is no mention of monkey anywhere in the facts.

None of the statements is a known fact.

Hence, the answer is None of the statements is a known fact. Choice (d) is the correct answer.

77. **(b)** Atul is twelfth from the right. This means there are 11 boys from the right excluding him.

Atul is fourth from the left. This means there are 3 boys from the left excluding him.

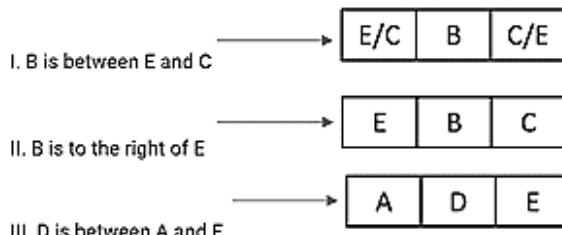
Total number of boys in the line =  $11 + 3 + 1(\text{Atul}) = 15$ .

To get 28 boys in the line, we need to add 13 more boys to the line.

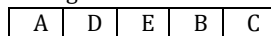
Hence, the answer is 13

Choice (b) is the correct answer.

78. **(d)** is the correct answer.



Consolidating the constraints, we get the following arrangement.



We can see that we need all the statements to get the arrangement.

I, II and III together.

79. **(d)** From statement II, we know that Gopal's brother was born in 1982.

From statement III, we find that Gopal's brother was 8 years younger to him i.e. Gopal was born in 1974.

From statement I, we find that Sanjay is 6 years older than Gopal

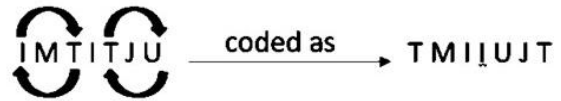
Thus. Sanjay was born in 1968.

So, all the three statements are required

Hence, the answer is I, II and III together.

Choice (d) is the correct answer

80. **(b)** is the correct answer.



We can see that the even letters remain the same while odd letters are interchanged.

First and third letter are interchanged and fifth and seventh letter are interchanged to get the code.

We can follow this pattern to find the code for TEMREMP.

The code for TEMREMP IS METRPME

Hence, the answer is METRPME

Choice (b) is the correct answer

**VERBAL ABILITY & READING COMPREHENSION**

81. **(b)** 'Abominate' means to hate someone to a great extent. 'Esteem' is the most appropriate option as it stands for utmost respect and admiration. 'Support' and 'gratify' are not exact equivalents of like or respect, while 'console' means to comfort someone.
82. **(d)** 'Abhor' is extreme hatred towards someone /something. 'Credit' and 'Improve' are clearly not antonyms, while 'Inspire' too doesn't fit here. 'Greatly admire' is the right antonym.
83. **(b)** Enormous means large in size or quantity. Its exact antonym will thus be tiny which means very small or minute.
84. **(a)** 'Impromptu' refers to an action or task delivered spontaneously. 'Unimportant' and 'unreal' are not related closely to the word. 'Offhand' relates to doing things on a whim and without preparation.
85. **(a)** 'Wretched' is a sorrowful or unfortunate state. 'Foolish' and 'insane' are primarily mental states, while 'strained' is a state of exhaustion. 'Poor' is the most appropriate word as it means not good.
86. **(d)** Erroneous means wrong or incorrect. Here option D has the same as answer.
87. **(c)** "...he found himself in a land where small slug-like animals with slimy tentacles lived on people's bodies. The people tolerated the loathsome creatures..." This line states the answer clearly.
88. **(c)** "In it, he found himself in a land where small slug-like animals with slimy tentacles lived on people's bodies. The

people tolerated the loathsome creatures..." As the line from the passage suggests these disgusting/loathsome creatures were small slug like animals with slimy tentacles.

89. **(a)** Harold succeeded in overcoming the need for security
90. **(d)** There is no mention of snakes in it. Option C doesn't fit the context. According to option A he came face to face with reality but it was not fearful. The slimy creatures feeding on people's bodies were fearful.
91. **(a)** his heart is full of compassion for others  
But 'is' is a coordinating conjunction that is used to express two contrasting ideas. The given part of the statement talks about his probably "stern" physical appearance, hence we are looking for an exactly opposing trait. Option B and C are ruled out because they add to the existing statement. Option D is not exactly the opposite of the strictness that is given. Option A gives the exact opposite nature of his appearance.
92. **(d)** Voluntarily offered to render additional services in lieu of nothing. Since the statement talks of enhancing profit, the first three options would not fit here exactly because in all three the company will have to spend money in some form or the other. The last option fits perfectly as the company will not have to compensate in any way for the additional services of the employees.
93. **(d)** nouveau riche means newly arrived, modern or developed. In the first blank "morals" fits better than style and wealth. In the second blank "theme" fits better than "story" as it's recurring in literature.
94. **(c)** R cannot follow S1 because of the presence of "also". There should be some statement before R. S cannot follow S1 because S1 ends with "us", and hence logically, the following statement should speak about "us". This brings us to Q, which questions what we need to do. That leaves us with option B and C. Q ends with "endeavor", and we are looking for explanations about the endeavors. In that case, P cannot follow Q. Hence, the right order is QSRP. P also blends naturally into the context of S6 ("hard work ahead" and "no resting for any one of us"). Therefore, option (c).
95. **(a)** The right follow-up to S1 should be the answer to why he/she had to halt. Hence, S should follow S1. This eliminates options B and C, leaving us with only A and D. P looks like an organic follow through to S, because of the presence of "As soon as". Note that this was probably an unexpected halt (from the tone of S1). The reflex of the emergency is best expressed in the phrase "as soon as". In R, the tone gradually starts shifting to a relaxed one, and blends organically into the concluding statement ("must" was already passing off" and "watch him for a while"). Hence, the order should be SPQR. Therefore, option A.
96. **(b)** Statement 1 talks about the noise, and hence we are looking at something that tells us the purpose of the noise or something in more detail about the noise. Q is the right continuation. "Something was wrong" is an expression of an impending danger or disaster, in which case there should be prevention. Since there is no detail of any mitigation, we are looking for contrasting statements. P gives the right contrast. People should have been more prudent, but they

did not take it seriously. That was a bad act, and hence the ship sank and many died. So, the order is QPRS. Therefore, option (b).

97. **(c)** Both represent the system of numbers based on multiples in mathematics while the other examples do not.
98. **(b)** Paw is cat's foot while hoof is present in horse's foot.
99. **(c)** The idiom means to tell someone the truth about something wrong that one has done which is similar to option (c).
100. **(a)** The idiom means to have a private reason for doing or being involved in something. Here option A fits perfectly.
101. **(a)** "I" is a singular, which should be followed up with "was". Only when there is imaginary conditional clause (where the usage of "if" comes in), "I" has to be followed up with "were". Hence, the error is in option (a). Therefore, the right answer choice is option (a).
102. **(a)** Since we have "know" which is in present tense the first option should have "can" instead of "could".
103. **(a)** The passage mentions that husbands and wives both are working "these days". It can be inferred that this was not the case earlier, which means option (b) can be inferred. "... increased today as compared to earlier" gives away the fact that income level was lower earlier. Hence, option (c) can be inferred.  
Option (d) is a probability which can be inferred.  
Option (a) is the only one the passage does not talk about, as there is no mention of incomes of husbands and wives separately. Hence, the right answer choice is option (a).
104. **(a)** If only 1 is implicit. Argument 1 is the answer to the question posed thus it is implicit as it's a suggestion.
105. **(c)** Capitol is a legislative building. Capetol is misspelt. Capitalisation is the process of using upper case letters, or is used to denote things to do with the market of the capitalist framework. Hence Capital is the correct answer.
106. **(a)** Father represents a relationship. Further means in addition to, while Ferther is misspelt. Thus the correct answer is farther which expresses distance.
107. **(d)** Room means all - seat, space and accommodation, hence there is no need for any improvement.
108. **(c)** The rule of conditional clauses states that "would" should be present in the main clause only. The subordinate clause must contain a past perfect tense. The only available option is "had tried". Hence, the right answer choice is option (c).
109. **(a)** Conflate refers to combining two entities or processes together into a blend. The second option is talking about dividing and in third it means separated. Hence both are incorrect.
110. **(d)** Rare means not occurring or found very often, here both 1 and 2 have the same meaning while the word in the 3<sup>rd</sup> sentence should be "rear" which means at the back.
111. **(c)** Option (a) can be inferred from the statement, "Proper tackling form using the arms and shoulders to aim for a player's midsection should be taught at an early age." Option B can be inferred from the statement, "Recent autopsies performed on the brains of football players who

have committed suicide have shown advanced cases of CTE in every single victim". Option D can be inferred from the statement, "When the media exalts such dangerous behavior, professionals are rewarded for injuring each other on the field and amateurs become more likely to try to imitate their favorite NFL athletes." Hence, these three options can be eliminated. That leave us only with option C, which is exactly the opposite of what has been mentioned about the NFL in the passage ("stricter penalty calls", "calling the ball dead when a helmet gets wrenched", "concussion sideline assessment", etc.) Therefore, the right answer choice is option C.

112. **(c)** Statement I can be inferred from the statement, "However, new regulations at the professional level cannot protect amateur players, especially young people. Fatal cases of CTE have been reported in victims as young as 21", in the passage.

Statement II can be inferred from the statement, "Furthermore, young athletes should be educated about the serious dangers of head injuries at an early age." Coming to Statement III, the passage only states amateurs are "more likely to emulate the behavior of the professionals", and does not lay a firm hand on it. Hence, the right answer choice is option C.

113. **(a)** laudable means deserving praise and commendation. Here option A means the same.
114. **(d)** The author does not express sorrow or remorse and is not hopeless so the first two options can be eliminated. He is not confused either. His tone is insistent which is demanding or commanding
115. **(a)** Exalts means to think or speak very highly of someone or something or speed up/raise something to a higher position. Venerate means to respect, mollify means to allay or appease, expedite means to accelerate, so none of these are the antonyms. Mitigate is to make something less severe or lessen the gravity of something. Thus it is the antonym.
116. **(a)** "Perhaps the most important factor in reducing the number of traumatic brain injuries, however, lies not with the players, the coaches, or the administrators, but with the

media and fans." "Announcers, commentators, television producers, and sportswriters should engage in a collective effort to cease glorifying brutal plays." Such lines highlight the media's responsibility.

117. **(a)** "Sports media producers have become accustomed to showcasing the most aggressive tackles and the most intense plays..." and more such lines show how media highlights violence in their shows. The other options are a follow up of this chain.
118. **(b)** Overthrown is removed forcibly. Only devastated is similar to it and means to be destroyed forcibly.
119. **(a)** In the context of the passage leveled means destroyed and flattened. Here razed means destroyed and brought to the ground as well.
120. **(b)** The passage describes the damage and destruction caused by the storm. Hence option c and d are positive and don't fit in the context. Velocity is a measure and can't leave its traces, thus fury which depicts the storm's anger fits in the blank.

toprankers.  
**SUPERGRADS<sup>™</sup>**

## IPMAT + CUET Batch 2025

IPMAT Indore | IPMAT Rohtak | JIPMAT | CUET

Gear up for your upcoming entrance exams with some of the industry's finest teachers.

Join the league of 1000s of top scorers in  
**IPMAT & CUET now.**



**PREPARE @ JUST ₹ 999**

# SuperGrads IPM Social Media



## INSTAGRAM

★ SuperGrads IPM by Toprankers Instagram channel is making waves with its captivating reels, memes, and informative posts tailored for IPM & Top BBA entrance preparation.



super.grads



## TELEGRAM

✈ SuperGrads IPM Telegram channel leads as the most subscribed channel in India for IPM & BBA entrances. With over 8k subscribers it's become a hub for students seeking IPM-specific academic content.



SuperGrads  
IPM | BBAEntrances by Toprankers



## YOUTUBE

🏆 The SuperGrads IPMAT YouTube channel holds the top spot in India's IPM category on YouTube. With over 50k subscribers, the channel's videos regularly garner 30k+ views, showcasing its broad appeal.



SuperGrads  
IPMAT Coaching by Toprankers



## LEARNTOGETHER

💬 Ask, Answer and Discuss: Students can actively participate by asking questions, providing answers, and engaging in discussions to enhance their learning experience on Learn TR community. Students also join Learn Together for expert advice, premium sessions, and free resources tailored for IPM & BBA entrance prep.



IPM  
LearnTogetherR



# SuperGrads IPM Social Media



## INSTAGRAM

★ SuperGrads IPM by Toprankers Instagram channel is making waves with its captivating reels, memes, and informative posts tailored for IPM & Top BBA entrance preparation.



super.grads



## TELEGRAM

✈ SuperGrads IPM Telegram channel leads as the most subscribed channel in India for IPM & BBA entrances. With over 8k subscribers it's become a hub for students seeking IPM-specific academic content.



SuperGrads  
IPM | BBAEntrances by Toprankers



## YOUTUBE

🏆 The SuperGrads IPMAT YouTube channel holds the top spot in India's IPM category on YouTube. With over 50k subscribers, the channel's videos regularly garner 30k+ views, showcasing its broad appeal.



SuperGrads  
IPMAT Coaching by Toprankers



## LEARNTOGETHER

💬 Ask, Answer and Discuss: Students can actively participate by asking questions, providing answers, and engaging in discussions to enhance their learning experience on Learn TR community. Students also join Learn Together for expert advice, premium sessions, and free resources tailored for IPM & BBA entrance prep.



IPM  
LearnTogetherR



# 510+



## Final Selections in IPM & Other BBA Entrances in 2023

CONSISTENTLY DELIVERING TRUST & AUTHENTIC RESULTS IN  
**QUANTITY & QUALITY**

### IPM INDORE (20+ Final Selections)



& MANY MORE

### IPM ROHTAK (30+ Final Selections)



& MANY MORE