



PU MET QUESTION PAPER

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Question Booklet Series: **A**

Question Booklet Serial No.: **100196**

M.E.T. – 2024

Important: Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.

(In Figure)

(In Words)

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O.M.R. Answer Sheet Serial No.

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Signature of Candidate: _____

Signature of Invigilator: _____

Time: 2 Hours

Number of Questions: 120

Maximum Marks: 120

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO.

INSTRUCTIONS:

1. Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
2. Enter the Question Booklet Serial No. on the OMR Answer Sheet. Darken the corresponding bubbles with **Black Gel Pen/Ball Point Pen**.
3. Do not make any identification mark on the Answer Sheet or Question Booklet.
4. Please check that this Question Booklet contains **120** Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
5. Each question has four alternative answers (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with **Black Gel Pen/Ball Point Pen**. There shall be negative marking for wrong answer, $\frac{1}{4}$ of the marks of the question will be deducted for every wrong answer.
6. The medium of examination shall be English only.
7. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
8. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the question given in the Question Booklet.
9. If you want to change an already marked answer, erase the shade in the darkened bubble completely.
10. For rough work only the blank sheet at the end of the Question Booklet be used.
11. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. **Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.**
12. **20 minutes per hour extra would be given to the visually handicapped/PwD Candidates.**
13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
16. **Communication equipment such as mobile phones, pager, wireless set, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. Use of calculator is not allowed.**
17. The candidates will not be allowed to leave the Examination Hall/Room before the expiry of the allotted time.

1. Choose the word that is most nearly opposite in meaning to "prolific".
(A) Barren (B) Productive (C) Fertile (D) Abundant
2. Select the word that best completes the sentence:
Despite the clear danger, the captain's decision to sail in such tumultuous weather was _____.
(A) Prudent (B) Reckless (C) Calculated (D) Fortuitous
3. Which of the following words means "to make amends for a wrong"?
(A) Exonerate (B) Exacerbate (C) Atone (D) Alienated
4. Select the word that best completes the sentence:
_____ wins this civil war there will be little rejoicing at the victory
(A) Whichever (B) Whoever (C) Whatever (D) Wherever
5. Select the word that best completes the sentence:
The Centre would finalize a new set of regulations to _____ the misuse of the internet.
(A) Check (B) Correction (C) Change (D) Result
6. Fill in the Blanks
After a long discussion, I prevailed _____ him to accept the proposal.
(A) upon (B) against (C) to (D) above
7. Choose the correct pair of prepositions
Jyoti is working _____ a farm, and her mother is working _____ a bank.
(A) in, in (B) on, in (C) in, on (D) on, on
8. Choose the correct pair of prepositions
He is indebted _____ his friend _____ a large sum.
(A) to, for (B) for, to (C) by, for (D) to, to
9. Choose the correct Antonyms given and indicate your choice for the correct answer:
Unobtrusive
(A) Propitiate (B) Erroneous (C) Conspicuous (D) Capitulate
10. Choose the correct Antonyms given and indicate your choice for the correct answer:
Zonation
(A) Uniformity (B) Mansion (C) Feign (D) Booth
11. Iconoclast is one who –
(A) Destroys images (B) A group of icons
(C) Is a popular figure of the society (D) Is a popular figure of the history

Directions (Questions 12-14): A sentence has been given in Active/Passive Voice. Out of the four alternatives suggested, select the one which best expressed the same sentence in Passive/Active Voice and mark your answer.

12. One should not give unsolicited advice.
 (A) Unsolicited advice is not to be given.
 (B) Unsolicited advice can't be given.
 (C) Unsolicited advice may not be given.
 (D) Unsolicited advice should not be given.
13. Our task had been completed before sunset.
 (A) We completed our task before sunset.
 (B) We have completed our task before sunset.
 (C) We complete our task before sunset.
 (D) We had completed our task before sunset.
14. The writer who passed away recently has authored a dozen novels and a number of poetry collections
 (A) A dozen novels and a number of poetry collections were authored by the writer who passed away recently
 (B) A dozen novels and a number of poetry collections have been authored by the writer who passed away recently
 (C) A dozen novels and a number of poetry collections has been authored by the writer who passed away recently
 (D) A dozen novels and a number of poetry collections had been authored by the writer who passed away recently

Directions (Questions 15-16): Choose the Correct form of Direct/Indirect narration

15. She says, "I eat a mango a day."
 (A) She said that she ate a mango a day.
 (B) She says that she eats a mango a day.
 (C) That she eats a mango a day was said by her.
 (D) She said that she eats a mango a day.
16. He will say that his brother will take care of her.
 (A) He will say, "My brother will be taking care of her."
 (B) He will say, "My brother will take care of her."
 (C) He will say, "My brother will take care her."
 (D) He will say, "Her care will be taken by my brother."

Directions (Questions 17-19): In the following questions, four alternatives are given for the meaning of the given Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase

17. To take to one's heels
(A) to walk slowly (B) to hop and jump (C) to run away (D) to march forward
18. 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
19. To hit the nail right on the head
(A) To do the right thing (B) To destroy one's reputation
(C) To announce one's fixed views (D) To teach someone a lesson
20. Four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.
(A) Skulking (B) Commander (C) Legionaries (D) Billade

Directions (Questions 21-25): Study the following table and answer the questions.

Number of Candidates Appeared and Qualified in a Competitive Examination from Different States over the Years

State	1997		1998		1999		2000		2001	
	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

21. Total number of candidates qualified from all the states together in 1997 is approximately what percentage of the total number of candidates qualified from all the states together in 1998?
(A) 72% (B) 77% (C) 80% (D) 83%
22. What is the average candidates who appeared from State Q during the given years?
(A) 8700 (B) 8760 (C) 8990 (D) 8920
23. In which of the given years the number of candidates appeared from State P has maximum percentage of qualified candidates?
(A) 1997 (B) 1998 (C) 1999 (D) 2001
24. What is the percentage of candidates qualified from State N for all the years together, over the candidates appeared from State N during all the years together?
(A) 12.36% (B) 12.16% (C) 11.47% (D) 11.15%
25. The percentage of total number of qualified candidates to the total number of appeared candidates among all the five states in 1999 is?
(A) 11.49% (B) 11.84% (C) 12.21% (D) 12.57%

Directions (Questions 26-29): Study the following table and answer the questions

The following table gives the percentage distribution of population of five states, P, Q, R, S and T on the basis of poverty line and also on the basis of sex.

State	Percentage of Population below the Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		M : F	M : F
P	35	5 : 6	6 : 7
Q	25	3 : 5	4 : 5
R	24	1 : 2	2 : 3
S	19	3 : 2	4 : 3
T	15	5 : 3	3 : 2

26. If the male population above poverty line for State R is 1.9 million, then the total population of State R is?
 (A) 4.5 million (B) 4.85 million (C) 5.35 million (D) 6.25 million
27. What will be the number of females above the poverty line in the State S if it is known that the population of State S is 7 million?
 (A) 3 million (B) 2.43 million (C) 1.33 million (D) 5.7 million
28. What will be the male population above poverty line for State P if the female population below poverty line for State P is 2.1 million?
 (A) 2.1 million (B) 2.3 million (C) 2.7 million (D) 3.3 million
29. If the population of males below poverty line for State Q is 2.4 million and that for State T is 6 million, then the total populations of States Q and T are in the ratio?
 (A) 1:3 (B) 2:5 (C) 3:7 (D) 4:9
30. Introducing a man, a woman said, "His wife is the only daughter of my mother". How is that man related to the woman?
 (A) Husband (B) Sister (C) Wife (D) Mother
31. A and B are the children of M. If M is the mother of A but B is not the son of M, then what is the relationship between B and M?
 (A) Sister and Brother
 (B) Daughter and Mother
 (C) Niece and Uncle
 (D) Insufficient data
32. A man pointing towards a boy said that the boy is son of my wife's daughter's father. How is man related to the boy?
 (A) Son (B) Father in Law (C) Uncle (D) Father

33. Find the odd one out.
 (A) 1584 – 1834 (B) 2476 – 2726 (C) 3738 – 3988 (D) 4735 – 4965
34. In a certain code "564" means "study very hard", "736" means "hard work pays" and "423" means "study and work". Which of the following is the code for "work"?
 (A) 6 (B) 4 (C) 5 (D) 3
35. In a certain code "FISH" is written as "21". Then how can "SWIM" be written in that code?
 (A) 58 (B) 32 (C) 27 (D) 16
36. In a certain code "ENTHALPY" is written as "50.5". Then how can "ENTROPY" be written in that code?
 (A) 48.5 (B) 31.8 (C) 56.5 (D) 52.4
37. In a row of 26 girls, when Sakshi shifted four places towards the left, she became 10th from the left end. What was her earlier position from the right end of the row?
 (A) 10th (B) 11th (C) 12th (D) 13th
38. Kailash faces towards the north. Turning to his right, he walks 25 metres. He then turns to his left and walks 30 metres. Next, he moves 25 metres to his right. He then turns to his right again and walks 55 metres. Finally, he turns to the right and moves 40 metres. In which direction is he now from his starting point?
 (A) South-west (B) South (C) North-west (D) South-east
39. A man is facing south. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. Which direction is he facing now?
 (A) North-east (B) North-west (C) South-east (D) South-west
40. Gaurav walks 20 metres towards North. He then turns left and walks 40 metres. He again turns left and walks 20 metres. Further, he moves 20 metres after turning to the right. How far is he from his original position?
 (A) 20 metres (B) 30 metres (C) 50 metres (D) 60 metres
41. How many pairs of letters are there in the word "CASTRAPHONE" which have as many letters between them in the word as in the alphabet?
 (A) 3 (B) 4 (C) 5 (D) 6
42. Find the missing number in the series?
 4, 18, ?, 100, 180, 294, 448
 (A) 48 (B) 50 (C) 58 (D) 60
43. All windows are doors. No door is wall

Conclusions:

1. No window is wall
2. No Wall is door

- (A) Only 1 follows
 (C) Either 1 or 2 follows

- (B) Only 2 follows
 (D) Both 1 and 2 follow

44. Some boys are men. No man is black

Conclusions:

1. Some boys are not black
2. Some men are boys

- (A) Only 1 follows (B) Only 2 follows
(C) Either 1 or 2 follows (D) Neither 1 nor 2 follows

Directions (Questions 45-47):

Read the following passage and answer the three items that follow:

A tennis coach is trying to put together a team of four players for the forthcoming tournament. For this 7 players are available: males A, B and C; and females W, X, Y and Z. All players have equal capability and at least 2 males will be there in the team. For a team of four, all players must be able to play with each other. But, B cannot play with W, C cannot play with Z and W cannot play with Y.

45. If Y is selected and B is rejected, the team will consist of which one of the following groups?
(A) A, C, W and Y (B) A, C, X and Y (C) A, C, Y and Z (D) A, W, Y and Z
46. If B is selected and Y is rejected, the team will consist of which one of the following groups?
(A) A, B, C and W (B) A, B, C and Z (C) A, B, C and X (D) A, W, Y and Z
47. If all the three males are selected, then how many combinations of four member teams are possible?
(A) 1 (B) 2 (C) 3 (D) 4

Directions (Questions 48-50): Read the following passage and answer the questions

A, B, C, D and E are members of the same family. There are two fathers, two sons, two wives, three males and two females. The teacher was the wife of a lawyer who was the son a doctor. E is not a male, neither also a wife of a professional. C is the youngest person in the family and D is the eldest. B is a male.

48. How is D related to E?
(A) Husband (B) Son (C) Father (D) Wife
49. Who are the females in the group?
(A) C and E (B) C and D (C) E and A (D) D and E
50. Whose wife is the teacher?
(A) C (B) D (C) A (D) B

51. A man fills a basket with eggs in such a way that the number of eggs added on each successive day is the same as the number already present in the basket. This way the basket gets completely filled in 24 days. After how many days the basket was $1/4$ th full?
 (A) 6 (B) 12 (C) 17 (D) 22
52. A person X has four notes of Rupee 1, 2, 5 and 10 denomination. The number of different sums of money she can form from them is
 (A) 16 (B) 15 (C) 12 (D) 8
53. Consider the following statements:
 1. *All artists are whimsical.*
 2. *Some artists are drug addicts.*
 3. *Frustrated people are prone to become drug addicts.*
 From the above three statements it may be concluded that
 (A) Artists are frustrated.
 (B) Some drug addicts are whimsical.
 (C) All frustrated people are drug addicts.
 (D) Whimsical people are generally frustrated.
54. Examine the following statements:
 1. Either A and B are of the same age or A is older than B.
 2. Either C and D are of the same age or D is older than C.
 3. B is older than C.
 Which one of the following conclusions can be drawn from the above statements?
 (A) A is older than B
 (B) B and D are of the same age
 (C) D is older than C
 (D) A is older than C
55. Four children are sitting in a row. A is occupying the seat next to B but not next to C. If C is not sitting next to D, who is/are occupying seat/seats adjacent to D?
 (A) B (B) A (C) B and A (D) Impossible to tell
56. Which Eminent Novelist and Poet of the 20th century is the author of 'Pinjar' ?
 (A) Amrita Pritam (B) Harivansh Rai Bachchan
 (C) Bhawani Prasad Mishra (D) Prabha Kiran Jain
57. "The Lean Startup," a book that introduces a systematic, scientific approach for creating and managing successful startups, was written by:
 (A) Eric Ries (B) Reid Hoffman (C) Steve Blank (D) Mark Zuckerberg
58. Who authored "Thinking, Fast and Slow," a book that delves into the dual-process model of the brain, exploring the dichotomy between two modes of thought?
 (A) Daniel Kahneman (B) Amos Tversky
 (C) Malcolm Gladwell (D) Steven Pinker

59. By the end of 2024, how many EV charging points do Tata Motors and Hindustan Petroleum Corporation Limited plan to set up?
 (A) 1000 (B) 2000 (C) 5000 (D) 10000
60. What does 'E' stand for in 'ESG'?
 (A) Economical (B) Environmental (C) Energy (D) Equity
61. e-RUPI is developed by which of the following organization
 (A) Reserve Bank of India
 (B) National Payments Corporation of India
 (C) Council of Scientific & Industrial Research
 (D) NITI Aayog
62. Who is the current CEO of OpenAI, known for overseeing its projects including the development of advanced AI models like GPT?
 (A) Elon Musk (B) Sam Altman (C) Sundar Pichai (D) Jeff Bezos
63. What is OpenAI Sora known for?
 (A) Generating realistic videos from text descriptions
 (B) Creating advanced AI language models
 (C) Developing new internet security protocols
 (D) Revolutionizing online payment systems
64. Which organization developed the UPI system?
 (A) Reserve Bank of India (RBI)
 (B) National Payments Corporation of India (NPCI)
 (C) Securities and Exchange Board of India (SEBI)
 (D) Indian Banks' Association (IBA)
65. After how many years do bank deposits typically get classified as 'unclaimed' in India?
 (A) 5 years (B) 7 years (C) 10 years (D) 15 years
66. Microsoft Office is an example of a
 (A) Closed source software (B) Open source software
 (C) Horizontal market software (D) Vertical market software
67. Hydrogen bomb is based on the principle of
 (A) nuclear fission (B) nuclear fusion
 (C) natural radioactivity (D) artificial radioactivity
68. Fastest Shorthand Writer was
 (A) Dr. G. D. Bist (B) J.R.D. Tata (C) J.M. Tagore (D) Khudada Khan
69. DRDL stands for
 (A) Defence Research and Development Laboratory
 (B) Department of Research and Development Laboratory
 (C) Differential Research and Documentation Laboratory
 (D) None of the above

70. What is the capital of Finland?
 (A) Conakry (B) Prague (C) Helsinki (D) Ankara
71. The Saka Era was founded by
 (A) Kadphises I (B) Kanishka (C) Alexander (D) Menander
72. In which year did the IPL start?
 (A) 2005 (B) 2006 (C) 2007 (D) 2008
73. Which country won the Men's Junior Asia Cup 2023 title?
 (A) India (B) Pakistan (C) South Korea (D) Malaysia
74. What is the name of 37th National Games Mascot, which was unveiled recently in Goa?
 (A) MOGA (B) HIPPI (C) VASCO (D) BIFFI
75. Which airport has been recognised as the world's most punctual airport, as per the recent report released by Cirium?
 (A) Chennai Airport (B) Hyderabad Airport
 (C) Mumbai Airport (D) New Delhi Airport
76. When a company taken over another one and clearly becomes the new owner, the action is called
 (A) Acquisition (B) Merger (C) Strategic Alliance (D) Takeover
77. Which among these is monopolistic trade practice?
 (A) Manufacturing only one product (B) Selling only one product
 (C) Limiting technical Development (D) Unreasonably limiting competition
78. Laissez Faire policy is adopted in
 (A) Socialist Economic system (B) Capitalist Economic system
 (C) Communist Economic System (D) Mixed Economic System
79. _____ concept is based on those companies who believe in this philosophy that quality of goods or services of good standard can easily attract customers.
 (A) Marketing concept (B) Production concept
 (C) Product concept (D) Selling concept
80. _____ are made to hear complaints of the value less than 5 lakhs.
 (A) Consumer forum at district level (B) State commission
 (C) National commission (D) None of these
81. Henry Fayol was a
 (A) Scientist (B) Accountant (C) Mining Engineer (D) Farmer
82. _____ means every employee should get order from one superior only
 (A) Unity of command (B) Unity of direction
 (C) Centralisation (D) Order

83. Sweat Equity share means equity shares issued by a company to its directors or employee
 (A) At a discount
 (B) For consideration, other than cash, for providing their know-how
 (C) For making available rights in the nature of intellectual property rights or value addition
 (D) All of the above
84. From which year, the 'IFRS 17' financial reporting standard became effective?
 (A) 2000 (B) 2010 (C) 2015 (D) 2023
85. The World Bank (WB) launched its first dedicated road safety project in South Asia, for which country?
 (A) India (B) Bangladesh (C) Nepal (D) Myanmar
86. The controversy surrounding Zomato primarily involved:
 (A) Misleading advertising practices (B) Delivery partner grievances
 (C) Dietary preference categorizations (D) Payment issues with restaurants
87. When did Shark Tank India first premiere?
 (A) 2018 (B) 2019 (C) 2020 (D) 2021
88. Which "Shark Tank India" judge co-founded the popular payment application BharatPe?
 (A) Ashneer Grover (B) Peyush Bansal (C) Aman Gupta (D) Ghazal Alagh
89. Which of the following statements is true regarding the Capital Account of the BOP?
 1. It records net change in ownership of national assets
 2. It includes transactions in goods and services
 3. It is primarily concerned with the export and import of technology
 4. It records salaries of foreign nationals working in a country
 (A) 1, 2 and 4 (B) 1, 2 and 3 (C) 2, 3 and 4 (D) 1, 3 and 4
90. What does "Proof of Concept" demonstrate in a business context?
 (A) The profitability of a business idea
 (B) The feasibility of a project or business idea
 (C) The market demand for a product or service
 (D) The legal protection of an intellectual property
91. What is the primary goal of "Customer Acquisition" in marketing?
 (A) To reduce operational costs
 (B) To negotiate lower prices with suppliers
 (C) To attract and retain customers
 (D) To increase the company's stock value
92. "Bootstrapping" a startup means:
 (A) Seeking significant external funding from venture capitalists.
 (B) Starting and growing a business using only personal finances and revenue generated.
 (C) Selling a business to a larger company.
 (D) Expanding a business into international markets.

93. "Burn Rate" is best described as:
 (A) The speed at which a company can increase its profits.
 (B) The rate at which a new company uses its venture capital to finance overhead before generating positive cash flow from operations.
 (C) The process of reducing workforce to minimize expenses.
 (D) The strategy of investing in multiple startups to spread risk.
94. What primary purpose do advisory shares serve in startups?
 (A) To provide immediate compensation to advisors
 (B) To offer stock options as an alternative to cash compensation
 (C) To increase the company's immediate liquidity
 (D) To serve as a traditional employment benefit
95. What does the 'Going Concern Concept' assume about a business's operations?
 (A) It will liquidate within the next year
 (B) It will continue its operations indefinitely
 (C) It will merge with another company
 (D) It will significantly change its operational capacity
96. The value of a machine depreciates at the rate of 10% every year. It was purchased 3 years ago. If its present value is Rs. 8748, its purchase price was:
 (A) 10000 (B) 12000 (C) 14000 (D) 16000
97. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are 30° and 45° respectively. If the lighthouse is 100 m high, the distance between the two ships is:
 (A) 173 m (B) 200 m (C) 273 m (D) 300 m
98. Average of five numbers is 40. If each number is multiplied by 2, what will be the new average?
 (A) 40 (B) 80 (C) 20 (D) 60
99. A can do a job in 30 days. B alone can do the same job in 20 days. If A starts the work and joined by B after 10 days, in how many days the job will be done?
 (A) 15 days (B) 16 days (C) 17 days (D) 18 days
100. Mr. Naman invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?
 (A) Rs. 6400 (B) Rs. 6500 (C) Rs. 7200 (D) Rs. 7500
101. A bag contains 6 white and 4 black balls. 2 balls are drawn at random. Find the probability that they are of same colour.
 (A) $1/2$ (B) $7/15$ (C) $8/15$ (D) $1/9$

102. A train is moving at 120 km/hr. The length of the train is 200 meters. How long it will take to cross a platform of length 100 meters?
 (A) 10 seconds (B) 15 seconds (C) 7 Seconds (D) 9 seconds
103. A man can row 40km upstream and 55km downstream in 13 hours also, he can row 30km upstream and 44km downstream in 10 hours. Find the speed of the man in still water and the speed of the current.
 (A) 5kph (B) 4kph (C) 3kph (D) 2 kph
104. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?
 (A) $28\frac{4}{7}$ (B) $31\frac{5}{7}$ (C) $32\frac{1}{7}$ (D) None of these
105. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?
 (A) 23 years (B) 24 years (C) 25 years (D) 26 years
106. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?
 (A) 1 (B) 14 (C) 20 (D) 21
107. In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is $\frac{2}{3}$ of the number of students of 8 years of age which is 48. What is the total number of students in the school?
 (A) 72 (B) 80 (C) 120 (D) 100
108. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?
 (A) $\frac{1}{3}$ (B) $\frac{3}{4}$ (C) $\frac{7}{19}$ (D) $\frac{8}{21}$
109. The cube root of .000216 is:
 (A) .6 (B) .06 (C) .006 (D) .0006
110. The least perfect square, which is divisible by each of 21, 36 and 66 is:
 (A) 213444 (B) 214344 (C) 214434 (D) 231444

111. Running at the same constant rate, 6 identical machines can produce a total of 270 bottles per minute. At this rate, how many bottles could 10 such machines produce in 4 minutes?
(A) 648 (B) 1800 (C) 2700 (D) 10800
112. An industrial loom weaves 0.128 metres of cloth every second. Approximately, how many seconds will it take for the loom to weave 25 metres of cloth?
(A) 178 (B) 195 (C) 204 (D) 488
113. By selling a bicycle for Rs. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:
(A) Rs. 2600 (B) Rs. 2700 (C) Rs. 2800 (D) Rs. 3000
114. A man buys a field of agricultural land for Rs. 3,60,000. He sells one-third at a loss of 20% and two-fifths at a gain of 25%. At what price must he sell the remaining field so as to make an overall profit of 10%?
(A) Rs.1,00,000 (B) Rs. 1,15,000 (C) Rs. 1,20,000 (D) Rs. 1,25,000
115. A man purchased the articles for Rs. 123684. He sold 60% of those at a profit of 16.66% and rest at a loss. Find the loss percentage on the remaining if the overall loss is 14%?
(A) 20% (B) 30% (C) 60% (D) 66.66%
116. A bookseller procures 40 books for Rs. 3200 and sells them at a profit equal to the selling price of 8 books. What is the selling price of one dozen books, if the price of each book is same?
(A) Rs. 720 (B) Rs. 960 (C) Rs. 1200 (D) Rs. 1440
117. If $\log 2 = 0.3010$ and $\log 3 = 0.4771$, the value of $\log 512$ is:
(A) 2.870 (B) 2.967 (C) 3.876 (D) 3.912
118. The sum of three consecutive even numbers is 90. What is the first number?
(A) 28 (B) 30 (C) 32 (D) 24
119. The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:
(A) Rs. 3500 (B) Rs. 3750 (C) Rs. 3840 (D) Rs. 3900
120. The product of two numbers is 4107. If the H.C.F. of these numbers is 37, then the greater number is:
(A) 101 (B) 107 (C) 111 (D) 185

x-x-x

MET-2024
ANSWER KEY (SET-A)

Question No.	Answer	Question No.	Answer	Question No.	Answer
1	A	41	D	81	C
2	B	42	A	82	A
3	C	43	D	83	D
4	B	44	WITHDRAWN	84	D
5	A	45	B	85	B
6	A	46	C	86	C
7	B	47	B	87	D
8	A	48	A	88	A
9	C	49	C	89	A
10	A	50	D	90	B
11	A	51	D	91	C
12	D	52	B	92	B
13	D	53	B	93	B
14	B	54	D	94	A
15	B	55	B	95	B
16	B	56	A	96	B
17	C	57	A	97	C
18	A	58	A	98	B
19	A	59	C	99	D
20	D	60	B	100	A
21	C	61	B	101	B
22	C	62	B	102	D
23	D	63	A	103	WITHDRAWN
24	D	64	B	104	B
25	B	65	C	105	A
26	D	66	WITHDRAWN	106	C
27	B	67	B	107	D
28	D	68	A	108	A
29	B	69	A	109	B
30	A	70	C	110	A
31	B	71	B	111	B
32	D	72	D	112	B
33	D	73	A	113	B
34	D	74	A	114	C
35	B	75	B	115	C
36	C	76	A	116	C
37	D	77	WITHDRAWN	117	C
38	D	78	B	118	A
39	D	79	C	119	D
40	D	80	A	120	C

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