

## ATTENTION PLEASE

Candidates are requested to inform us about any discrepancy in the following MET-2023 Question Paper and/or Answer key by **14th May, 2023 upto 4.00 p.m.**

The discrepancies can be conveyed through anyone of the following means:

1. By clicking at the following link and completing the steps:  
<https://forms.gle/2Rx8MQg6L5XSK2Tm7>
2. The candidates can also send their discrepancies/comments at the following e-mail: [aruiams@pu.ac.in](mailto:aruiams@pu.ac.in)
3. By informing at the office of UIAMS, Sector-25, South Campus, P.U. Chd., Ph.No.0172-2701403, 2534499

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Question Booklet Series: **A**

Question Booklet Serial No.: **110212**

**M.E.T. – 2023**

**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, ¼ 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 assistant or found giving or receiving assistant 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 half of the allotted time.

(MET-A)

1. Who invented the city of Agra?  
(A) Bahlol Lodi                      (B) Ibrahim Lodi                      (C) Sikandar Lodi                      (D) Mahmood Lodi
2. Which is the highest plateau in the world?  
(A) Deccan Plateau of India                      (B) Arab Plateau  
(C) Plateau of Turkey                      (D) Plateau of Tibet
3. To whom will the Lok Sabha speaker address his/her letter of resignation?  
(A) President of India                      (B) Prime Minister of India  
(C) Vice-President of India                      (D) Deputy speaker of Lok Sabha
4. Comptroller and Auditor General of India holds office for a term of \_\_\_\_\_ years or till he/she attains the age of \_\_\_\_\_ years, whichever is earlier.  
(A) Five; sixty                      (B) Six; sixty                      (C) Five; sixty-five                      (D) Six; sixty-five
5. Why does a person climbing a mountain bend forward?  
(A) Due to fatigue                      (B) To increase velocity  
(C) To increase stability                      (D) Due to religious beliefs
6. In human body, Glucose is stored in the form of  
(A) Starch                      (B) Glycogen                      (C) Fructose                      (D) Maltose
7. Which of the following is the hardest substance in human body?  
(A) Keratin                      (B) Bone                      (C) Tooth Enamel                      (D) Amino Acid
8. Which of the following vegetable is not a root vegetable?  
(A) Tomato                      (B) Carrot                      (C) Radish                      (D) Turnip
9. Number of medals won by India in Tokyo 2020 Olympics is:  
(A) Seven                      (B) Eight                      (C) Six                      (D) Five
10. The slogan "Back to the Vedas" was given by  
(A) Swami Vivekananda                      (B) Swami Dayanand Saraswati  
(C) Swami Shradhdhanand                      (D) Ramkrishna Paramhans
11. Who won the French Open 2022 men's singles lawn-tennis tournament?  
(A) Rafael Nadal                      (B) Roger Federer                      (C) Novak Djokovic                      (D) Stefano Tsitsipas
12. In Computers, how many bits are there in a nibble?  
(A) 16                      (B) 32                      (C) 4                      (D) 8
13. Which one of the following waves is utilized by 'bats' to identify obstacles in their path of flight?  
(A) Infrared waves                      (B) Radio waves                      (C) Ultrasonic waves                      (D) Micro waves
14. First spacecraft to carry man on the moon is:  
(A) Helios-B                      (B) Luna-9                      (C) Apollo 11                      (D) Apollo 10
15. Who is called the father of Nanotechnology?  
(A) Nikola Tesla                      (B) Richard Feynman                      (C) Linus Pauling                      (D) Arthur Weinberg

16. Planning Commission of India was replaced by NITI Aayog on  
 (A) 01-01-2014 (B) 01-01-2015 (C) 01-01-2016 (D) 01-01-2017
17. Which one of the following Indian Documentary Films won the Oscar in the 'Best Documentary Short Film' category at the 95<sup>th</sup> Academy Awards?  
 (A) How Do You Measure a Year (B) Stranger at the Gate  
 (C) The Elephant Whisperers (D) RRR
18. ChatGPT is an AI chatbot developed by OpenAI and launched in November 2022. What does chatGPT stand for?  
 (A) Chat Global Pre-trained Transmission (B) Chat General Pre-trained Technology  
 (C) Chat Generalized Pre-trained Technique (D) Chat Generative Pre-Trained Transformer
19. Who gave the slogan "Do or Die" during Quit India Movement?  
 (A) Jawaharlal Nehru (B) Mahatma Gandhi  
 (C) Subhash Chandra Bose (D) Lokmanya Tilak
20. Which one of the following is responsible for converting milk into curd through natural process?  
 (A) Fungi (B) Virus (C) Bacteria (D) Algae
21. Which of the following aggregate represents National Income?  
 (A) Net National Product at market price (B) Net National Product at factor cost  
 (C) Gross Domestic Product at market price (D) Gross National Product at factor cost
22. Which one of the following is a qualitative tool of credit control?  
 (A) Bank rate (B) Repo rate  
 (C) Open market operations (D) Margin requirements
23. In return for his/her investment, a shareholder receives:  
 (A) Undistributed profit (B) Dividends and bonus shares  
 (C) Interest on investment (D) Profit on investment
24. Kyoto Protocol is an international agreement linked to:  
 (A) UNFCCC (B) WTO (C) WHO (D) UGC
25. The co-existence of slow economic growth, rising inflation and rising unemployment is called:  
 (A) Headline inflation (B) Core inflation (C) Stagflation (D) Deflation
26. The terms of credit are \_\_\_\_\_.  
 (A) combination of interest rate, collateral and documentation requirement, and the mode of repayment  
 (B) combination of interest rate, collateral and principal amount to be paid  
 (C) combination of collateral and documentation requirement, and interest rate compounded annually  
 (D) the mode of the payment

27. Which of the following reason is responsible for highest percentage of female migration in India?  
 (A) Stability (B) Employment (C) Marriage (D) Education
28. In which city is the head office of the Insurance Regulatory and Development Authority of India (IRDAI) situated?  
 (A) Shimla (B) Kolkata (C) Chandigarh (D) Hyderabad
29. Macro economics is also called the  
 (A) Theory of money (B) Theory of national income  
 (C) Theory of income (D) Theory of inflation
30. If the actual unemployment rate is below the natural rate of unemployment, it would be expected that  
 (A) The rate of inflation would increase (B) Wages would fall  
 (C) Natural rate of unemployment will fall (D) Demands for goods and services will fall
31. What is the full form of MGNREGA?  
 (A) Maharani Gangubai National Reconstruction Employment Guarantee Act  
 (B) Mahadevi Gunabati National Rural Employment Guarantee Act  
 (C) Mahatma Gandhi National Rural Employment Generation Act  
 (D) Mahatma Gandhi National Rural Employment Guarantee Act
32. According to Malthus's theory of population, the population of a country grows  
 (A) In Arithmetic progression (B) Algebraically  
 (C) In Geometric progression (D) At constant rate
33. Marginal propensity to save ( $\Delta$  = change,  $y$  = Income &  $s$  = saving) =  
 (A)  $\Delta y/\Delta s$  (B)  $y/s$  (C)  $\Delta s/\Delta y$  (D)  $s/y$
34. Which of the following is true with regard to food security?  
 (A) Food security exists when government maintains buffer stock of grains for next five years.  
 (B) Government imposes ban on grains exports for maintaining sufficient stock.  
 (C) Government encourages to produce organic foods for better and secure health.  
 (D) Food security exists when all people, at all time have access to sufficient, safe and nutritious food.
35. What is meant by casual employment?  
 (A) Workers are not given uniforms and have to come in casual wear  
 (B) Workers have the choice of coming to work whenever they want to  
 (C) Workers are called to work only when the employees need them  
 (D) Workers are employed for fixed periods of time
36. Which of the following is NOT a classification of E-Commerce?  
 (A) B2C (Business-to-Consumer) (B) D2D (Distributor-to-Distributor)  
 (C) C2C (Consumer-to-Consumer) (D) B2B (Business-to-Business)

37. Trade Deficit occurs when \_\_\_\_\_.
- (A) Export of goods is less than imports of goods
  - (B) Export of goods is more than imports of goods
  - (C) Export of services is less than imports of services
  - (D) Export of services is more than imports of services
38. Why increasing crude oil prices are matter of concern?
- (A) Increasing crude oil prices are increasing transportation cost
  - (B) Increasing crude oil prices are making economy potentially unstable
  - (C) Increasing crude oil prices are volatizing growth process
  - (D) Increasing crude oil prices are adversely affecting demand
39. According to the 'Law of Demand, demand varies \_\_\_\_\_ with price.
- (A) Directly
  - (B) Indirectly
  - (C) Proportionately
  - (D) Inversely
40. In the oil and gas industry, the Organization of the Petroleum Exporting Countries (OPEC) is an example of
- (A) Perfect competition
  - (B) Monopolistic competition
  - (C) Monopoly
  - (D) Cartel

**Directions for Q41-45:**

*Two statements are given, and two conclusions numbered (1) and (2) are given. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Which of the conclusions logically follows from the given statements?*

41. Statements: Some actors are singers. All the singers are dancers.  
 Conclusions: 1) Some actors are dancers.  
 2) No singer is actor.
- (A) Only Conclusion 1 Follows
  - (B) Only Conclusion 2 Follows
  - (C) Neither Conclusion 1 Nor Conclusion 2 Follows
  - (D) Both Conclusions 1 and 2 Follow
42. Statements: All the harmoniums are instruments. All the instruments are flutes.  
 Conclusions: 1) All the flutes are instruments.  
 2) All the harmoniums are flutes.
- (A) Only Conclusion 1 Follows
  - (B) Only Conclusion 2 Follows
  - (C) Neither Conclusion 1 Nor Conclusion 2 Follows
  - (D) Both Conclusions 1 and 2 Follow

43. Statements: Some mangoes are yellow. Some tixo are mangoes.  
 Conclusions: 1) Some mangoes are green.  
 2) Tixo is a yellow.  
 (A) Only Conclusion 1 Follows  
 (B) Only Conclusion 2 Follows  
 (C) Neither Conclusion 1 Nor Conclusion 2 Follows  
 (D) Both Conclusions 1 and 2 Follow
44. Statements: Some ants are parrots. All the parrots are apples.  
 Conclusions: 1) All the apples are parrots.  
 2) Some ants are apples.  
 (A) Only Conclusion 1 Follows  
 (B) Only Conclusion 2 Follows  
 (C) Neither Conclusion 1 Nor Conclusion 2 Follows  
 (D) Both Conclusions 1 and 2 Follow
45. Statements: Some papers are pens. All the pencils are pens.  
 Conclusions: 1) Some pens are pencils.  
 2) Some pens are papers.  
 (A) Only Conclusion 1 Follows  
 (B) Only Conclusion 2 Follows  
 (C) Neither Conclusion 1 Nor Conclusion 2 Follows  
 (D) Both Conclusions 1 and 2 Follow
46. Rohan ranks seventh from the top and twenty-sixth from the bottom in a class. How many students are there in the class?  
 (A) 31 (B) 32 (C) 33 (D) 34
47. Satish remembers that his brother's birthday is after 15th but before 18th of February whereas his sister Kajal remembers that her brother's birthday is after 16th but before 19th of February. On which day in February is Satish's brother's birthday?  
 (A) 16<sup>th</sup> (B) 17<sup>th</sup> (C) 18<sup>th</sup> (D) 19<sup>th</sup>
48. How many such 5s are there in the following number sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?  
 3 5 9 5 4 5 5 3 5 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 1 0  
 (A) One (B) Three (C) Four (D) Five
49. Arrange the words given below in a meaningful sequence:  
 1. Word 2. Paragraph 3. Sentence 4. Letters 5. Phrase  
 (A) 4, 1, 5, 2, 3 (B) 4, 1, 3, 5, 2 (C) 4, 2, 5, 1, 3 (D) 4, 1, 5, 3, 2
50. If X is a brother of the son of Y's son, then how is X related to Y?  
 (A) Son (B) Cousin (C) Grandson (D) Brother

The following table embodies the details about the enrollment of students in five different streams namely IT, Management, Commerce, Science and Arts in a college during the session 2021-22. A total number of 3500 students including 1500 girls have been enrolled in the college. Based on the data in the table, answer the questions 51-55:

Stream-wise enrollment of students		
Stream	Percentage (%) of students enrolled (out of 3500)	Percentage (%) of Girls enrolled (out of 1500)
IT	20%	18%
Management	16%	12%
Commerce	12%	21%
Science	22%	11%
Arts	30%	38%

51. The number of girls enrolled in Arts, Science and Commerce streams together forms what percent (%) of the total number of students in the college?  
 (A) 25% (B) 30% (C) 40% (D) 60%
52. What is the total number of girls enrolled in Science and Commerce streams together?  
 (A) 450 (B) 495 (C) 345 (D) 480
53. What is the total number of boys enrolled in Management and IT streams together?  
 (A) 1050 (B) 810 (C) 1120 (D) 980
54. If 20% of the girls enrolled in Science change their stream to Management, then what will be the new number of students belonging to Management stream altogether?  
 (A) 593 (B) 733 (C) 453 (D) 1003
55. What is the ratio of the number of girls enrolled in Arts to the number of boys enrolled in Science?  
 (A) 14:23 (B) 2:3 (C) 114:121 (D) 53:65

Consider the following two tables (I and II) that show the percentage wise distribution (%) of the number of laptops sold by a shopkeeper during a period of six months from April to September 2018 and the ratio between the number of laptops sold of brand HP (H) and brand DELL (D) during the same six months. A total of 45000 laptops have been sold during these six months. Study these tables I and II and answer the questions 56-60:

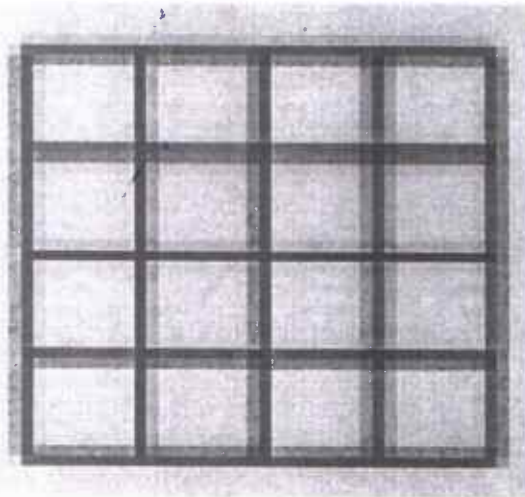
I. Sale of Laptops Month wise		II. Laptops Brand Ratio		
Name of Month	% of Laptops	Name of Month	Ratio	
April	17		H	D
May	22	April	8	7
June	25	May	4	5
July	8	June	3	2
August	12	July	7	5
September	16	August	7	8
		September	7	9



56. If 35% of the laptops sold of brand H during August were sold at a discount, how many laptops of brand H during that month were sold without a discount?  
 (A) 882 (B) 1635 (C) 1638 (D) 885
57. What is the total number of laptops sold of brand D during May and June together?  
 (A) 9500 (B) 10000 (C) 10500 (D) 15000
58. What is the ratio of the number of laptops sold of brand D during April to those sold during September of the same brand?  
 (A) 119 : 145 (B) 116 : 135 (C) 119 : 135 (D) 119 : 130
59. If the shopkeeper earned a profit of Rs. 434 on each laptop sold of brand D during July, what was his total profit earned on the laptops of that brand during the same month?  
 (A) Rs 6,51,900 (B) Rs 6,46,500 (C) Rs 6,49,500 (D) Rs 6,51,000
60. The number of laptops sold of brand H during April is approximately what percent of the number of laptops sold of brand H during September?  
 (A) 110 (B) 140 (C) 130 (D) 150
61. The largest natural number which exactly divides the product of any four consecutive natural numbers is  
 (A) 120 (B) 24 (C) 12 (D) 6
62. If 520 mangoes can be bought for Rs 600, how many can be bought for Rs 1500?  
 (A) 1040 (B) 1200 (C) 1300 (D) 1560
63. In an examination 86% of the candidates passed and 224 failed. How many candidates appeared for the exam?  
 (A) 800 (B) 1540 (C) 1600 (D) 3136
64. Amit & Ramesh together can do a piece of work in 10 days. Ramesh & Ankit together can do it in 12 days. Ankit & Amit together can do it in 15 days. In how many days will they finish it if all the three work together?  
 (A) 8 days (B) 4 days (C) 4.5 days (D) 9.5 days
65. If Seema goes to office at a speed of 40 km/hr, she reaches 5 minutes late. If she travels at the speed of 60 km/hr, she is 10 minutes early. What is the distance to office from her home?  
 (A) 30 km (B) 40 km (C) 50 km (D) 35 km
66. How much time will a train of length 171 meters take to cross a tunnel of length 229 meters, if it is running at a speed of 30 km/hr?  
 (A) 48 seconds (B) 36 seconds (C) 30 seconds (D) 32 seconds
67. The ratio between the ages of Ajit and Ryan at present is 3:4. Five years ago the ratio of their ages was 2:3. What is the present age of Ajit?  
 (A) 15 years (B) 20 years (C) 12 years (D) 30 years
68. The simple interest on a sum of money is equal to the principal and number of years is equal to the rate percent per annum. Find the rate percent.  
 (A) 15% (B) 20% (C) 12% (D) 10%

69. A tank can be filled by pipe A in 6 hours and by pipe B in 3 hours, each pump working on its own. When the tank is full and a drainage hole is open, the water is drained in 4 hours. If initially the tank was empty and someone started the two pumps together, but left the drainage hole open, how long does it take for the tank to be filled?  
 (A) 6 hours (B) 8 hours (C) 4 hours (D) 12 hours
70. The L.C.M. of two numbers is 2079 and their H.C.F. is 27. If one of the numbers is 189, find the other.  
 (A) 299 (B) 197 (C) 295 (D) 297
71. The number of marble slabs of size 20 cm x 30 cm required to pave the floor of a square room of side 3 meters is  
 (A) 100 (B) 150 (C) 225 (D) 175
72. The difference between simple interest and compound interest on a certain sum for 2 years is Rs.32. If the rate of interest is 8% per annum, the amount is  
 (A) Rs 10000 (B) Rs 1000 (C) Rs 5000 (D) Rs 2500
73. By selling 100 notebooks, a shopkeeper gains the selling price of 20 notebooks. What is his gain percentage?  
 (A) 10% (B) 20% (C) 25% (D) 15%
74. The average monthly expenditure of a family was Rs 2200 during the first 3 months; Rs 2250 during the next 4 months and Rs 3120 during the last 5 months of a year. If the total saving during the year were Rs 1260, then the average monthly income was  
 (A) Rs 2705 (B) Rs 2805 (C) Rs 2605 (D) Rs 2800
75. The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girl is 15.4 years. The ratio of the number of boys to the number of girls in the class is  
 (A) 1:3 (B) 3:1 (C) 2:3 (D) 3:2
76. A boat running downstream covers a distance of 16 km in 2 hours, while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water?  
 (A) 3 km/hr (B) 4 km/hr (C) 5 km/hr (D) 6 km/hr
77. A bag contains 9 red, 7 white and 4 black balls. A ball is drawn randomly. The probability that the 'ball drawn is not red' is:  
 (A)  $\frac{9}{20}$  (B)  $\frac{9}{11}$  (C)  $\frac{2}{11}$  (D)  $\frac{11}{20}$
78. Someone is asked to take a number from 1 to 100. The probability that it is a prime, is  
 (A)  $\frac{8}{25}$  (B)  $\frac{1}{4}$  (C)  $\frac{3}{4}$  (D)  $\frac{13}{50}$
79. What is the probability that a leap year has 53 Sundays?  
 (A)  $\frac{2}{7}$  (B)  $\frac{5}{7}$  (C)  $\frac{1}{53}$  (D)  $\frac{7}{53}$
80. 6 men and 4 women are to be seated in a row so that no two women sit together. The number of ways they can be seated is  
 (A) 604800 (B) 17280 (C) 120960 (D) 518400

81. The number in place of P in the number series  
12, 6, 18, 9, 26, 13, 36, 18, P,..... is  
(A) 48 (B) 21 (C) 46 (D) 60
82. In a certain code language, 134 means 'good and tasty'; 478 means 'see good pictures' and 729 means 'pictures are faint'. Which of the following digits stand for 'see' ?  
(A) 9 (B) 2 (C) 1 (D) 8
83. Six members A, B, C, D, E and F of a family are travelling together; 'B' is the son of 'C' but 'C' is not the mother of 'B'. 'A' and 'C' is a married couple. 'E' is the brother of 'C'. 'D' is a daughter of 'A'. 'F' is brother of 'B'. How many male members are there in the family?  
(A) 3 (B) 2 (C) 4 (D) 5
84. The value of  $\left(1 - \frac{1}{3}\right)\left(1 - \frac{1}{4}\right)\left(1 - \frac{1}{5}\right) \dots \dots \dots \left(1 - \frac{1}{n}\right) =$   
(A)  $1/n$  (B)  $2/n$  (C)  $n/2$  (D)  $4/n$
85. Find the missing number P in the number series  
4, 18, P, 100, 180, 294, 448, .....
- (A) 48 (B) 50 (C) 58 (D) 60
86. In a certain code language, 'GOAL' is written as 'BPMH' and 'MIND' is written as 'OJEN'. How is 'SOAR' written in the same code language?  
(A) BPST (B) BRST (C) STBR (D) KTPB
87. The number of squares in the following figure is:



- (A) 20 (B) 40 (C) 30 (D) 50
88. Two numbers are in the ratio 3:7. If 8 is added to both these numbers, then their ratio becomes 5:9. What are these numbers?  
(A) 12, 28 (B) 6, 14 (C) 15, 35 (D) 24, 56
89. What comes in place of question mark (?) in the letter series below?  
B, C, E, H, L, ?  
(A) M (B) N (C) P (D) Q

90. Consider the given statement and two conclusions:  
 Statement: A room with flowers looks beautiful  
 Conclusions: I: Flowers are grown for decoration of rooms.  
 II: Room without flowers looks ugly.
- (A) Conclusion I follows the statement  
 (B) Conclusion II follows the statement  
 (C) Both Conclusions I and II follow the statement  
 (D) Neither Conclusion I nor Conclusion II follows the statement
91. If COW = 41, GOAT = 43, then GOD = \_\_\_\_\_.  
 (A) 47 (B) 38 (C) 25 (D) 26
92. Select the statement that is the negation of "It is raining, and the sun is not out".  
 (A) If it is raining and the sun is not out. (B) It is not raining, and the sun is out.  
 (C) It is raining, and the sun is out. (D) It is not raining, or the sun is out.
93. Select the statement that is logically equivalent to "If Tina is in Las Vegas, then she is in Nevada".  
 (A) Tina is in Las Vegas or she is in Nevada.  
 (B) If Tina is not in Nevada, then she is not in Las Vegas.  
 (C) If Tina is in Nevada, then she is in Las Vegas.  
 (D) If Tina is not in Las Vegas, then she is not in Nevada.
94. Study the information given below:  
 If you ask questions, you will learn a lot.  
 If you read often, you will ask questions.
- Select the logical conclusion that follows.
- (A) If you learn a lot, you will ask questions. (B) You will learn a lot.  
 (C) You will not learn a lot. (D) If you read often, you will learn a lot.
95. How many diagonals does a regular hexagon have?  
 (A) 9 (B) 8 (C) 2 (D) 6
96. What is the sum of all odd natural numbers between 0 and 100?  
 (A) 2720 (B) 1250 (C) 2200 (D) 2500
97. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
 (A) Badminton (B) Table Tennis (C) Rugby (D) Hockey
98. Choose the odd one from the following.  
 (A) 1728 (B) 441 (C) 1331 (D) 343

**Directions for Q 99 – 100:**

A team of five is to be selected from amongst five boys A, B, C, D, and E and four girls P, Q, R, and S. Some criteria for selection are:

A & S must be together in a team. P cannot be put with R.

D and Q cannot go together. C and E have to be together. R cannot be put with B.

99. If two of the members have to be boys, then the team will consist of  
(A) A, B, S, P, Q (B) A, D, S, Q, R (C) B, D, S, R, Q (D) C, E, S, P, Q
100. If two of the members are girls and D is one of the members, then the members of the team other than D are:  
(A) P, Q, B, C (B) P, Q, C, E (C) P, S, A, B (D) P, S, C, E
101. Fill in the blank.  
The old man was knocked down by a bus while he \_\_\_\_\_ the street.  
(A) crosses (B) is crossing (C) was crossing (D) has crossing
102. Fill in the blank.  
I \_\_\_\_\_ no news of him since he left for Delhi.  
(A) am being (B) being (C) have had (D) have had been
103. Fill in the blank with appropriate modal.  
Visitors \_\_\_\_\_ take off their shoes before entering the temple. (Compulsion)  
(A) may (B) might (C) can (D) must
104. Fill in the blank with appropriate modal.  
You \_\_\_\_\_ not talk to me in that indecent tone (expression of threat)  
(A) dare (B) ought (C) would (D) might
105. Chose the grammatically correct sentence.  
(A) Mankind is damaging nature on alarming rate.  
(B) Mankind is damaging nature at an alarming rate.  
(C) Mankind is damaged nature at alarming rate.  
(D) Mankind is damaged nature on alarming rate.
106. Identify the option where the underlined word is used as a verb.  
(A) This is her diet chart.  
(B) What is your diet?  
(C) She has been dieting for two months.  
(D) The children seem to exist on a diet of fast foods.
107. Identify the option where the word 'luxury' is used as an adjective?  
(A) A break from work is luxury for him.  
(B) He owns a chain of luxury hotels.  
(C) This is real luxury.  
(D) You are lucky to avail so much of luxury.

108. Change the passive voice.  
They were carrying the injured player off the field.  
(A) The injured player was carried off the field.  
(B) The injured player was being carried off the field.  
(C) They carried the injured player off the field.  
(D) The injured player was carried of the field.
109. Choose the correct direct narration of the following sentence.  
I worked as an extra artist before becoming a lead actor.  
(A) He said that he did worked as an extra artist before becoming a lead actor.  
(B) He said that he had been working as an extra artist before a lead actor.  
(C) He said that he had worked as an extra artist before becoming a lead actor.  
(D) He said that he was working as an extra artist before a lead actor.
110. Find the appropriate synonym for 'Serene'.  
(A) Angry (B) Strange (C) Peaceful (D) Agitated
111. Choose the correct word to fill in the blank space.  
One who believes in the existence of God is a/an \_\_\_\_\_.  
(A) Stoic (B) Atheist (C) Theist (D) Epicure
112. Which among the following is correctly spelt?  
(A) Ciggarete (B) Cigarate (C) Ciggarate (D) Cigarette
113. Which pair of words is similar in meaning?  
(A) Lunatic – Mad (B) Guest – Host  
(C) Knowledge – Ignorance (D) Aversion – Liking
114. 'A person who only thinks about himself and talks only about himself' is best defined by the word:  
(A) Selfless (B) Egoist (C) Dishonest (D) Lazy
115. "To make both ends meet" means:  
(A) tie a rope at both ends firmly (B) bring two opposite things together  
(C) to meet one's day-to-day needs (D) bring two contradictory ideas together
116. "Cry over spilt milk" means:  
(A) to weep over advantage  
(B) waste time regarding something that cannot be undone  
(C) worried over future losses  
(D) spend precious time in an idle manner
117. "To put one's foot down" means:  
(A) to do something slowly (B) to protest, to be firm  
(C) to work leisurely, haltingly (D) to act in an improper manner

118. Fill in the blank.  
Students will go on an \_\_\_\_\_ during the holiday.  
(A) Excusion (B) Ascursion (C) Excurtion (D) Excursion
119. Change to Active Voice.  
The meeting will be addressed by the Chairman.  
(A) The Chairman will be addressing the meeting.  
(B) Meeting addressed by Chairman.  
(C) The Chairman will address the meeting.  
(D) Chairman might address the meeting.
120. Fill in the blank.  
When the Prime Minister \_\_\_\_\_ the hall, the orchestra started playing the National Anthem.  
(A) was entered (B) is enter  
(C) has been entered (D) entered

x-x-x

**MET - 2023**  
**ANSWER KEY (SET-A)**

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