

DIPLOMA MODEL TEST PAPER

1. What is an algorithm?

- a) Flowchart
- b) Step-by-step instructions that are used to solve a problem.
- c) A flowchart or pseudocode.
- d) A decision.

2. Fill in the blank with the correct article:

"She is ___ honest girl."

- (a) a
- (b) an
- (c) the
- (d) none

3. Identify the error in the sentence:

"He don't like playing soccer."

- (a) don't
- (b) like
- (c) playing
- (d) soccer

4. Choose the correct form of the verb:

"They ___ watching TV when I called."

- (a) is
- (b) are
- (c) was
- (d) were

5. Question 1. What is the chemical symbol for the element gold?

- a) Au
- b) Ag
- c) Gd
- d) Gr

6. In which year, the first modern Olympic Games were held?

- a) 1892
- b) 1894
- c) 1896
- d) 1898

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7. Which country hosted the 2016 Summer Olympic Games?

- a) China
- b) Brazil
- c) United States of America
- d) Japan

8. Choose the word that best fits the sentence:

"He was very ___ about his new job."

- (a) excited
- (b) sad
- (c) bored
- (d) upset

9. Which sport's reference book is "Wisden"?

- a) Tennis
- b) Badminton
- c) Golf
- d) Cricket

10. What did John see in the park?

- (a) People dancing
- (b) People jogging
- (c) Birds singing
- (d) Trees

11. What is 'Sungrazer', recently mentioned in the news?

- a) Comet
- b) Communication satellite
- c) Black hole
- d) Invasive plant

12. In which of the following tribes 'Khasi' and 'Garos' mainly live?

- a) Kerala
- b) Meghalaya
- c) Chota Nagpur
- d) Tamil Nadu

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13. Ques 5. What is the final navigational choice on the page?

- a) ALT + F4
- b) CTRL + END
- c) CTRL + INSERT
- d) CTRL + TAB

14. Choose the correct sentence:

- (a) She doesn't can swim.
- (b) She can swim.
- (c) Can she swim does?
- (d) She can swimming.

15. Choose the synonym for "brave":

- (a) fearful
- (b) cowardly
- (c) courageous
- (d) weak

16. Choose the antonym of "noisy":

- (a) quiet
- (b) loud
- (c) chatty
- (d) disturbing

17. If a number is divisible by both 2 and 3, then it is divisible by:

- a) 4
- b) 5
- c) 6
- d) 9

18. What is the opposite of "difficult"?

- (a) challenging
- (b) easy
- (c) hard
- (d) tough

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19. Which of the following is a rational number?

- a) $\sqrt{2}$
- b) π
- c) $1/2$
- d) $\sqrt{3}$

20. Choose the antonym for "generous":

- (a) kind
- (b) selfish
- (c) helpful
- (d) thoughtful

21. Who is the current Prime Minister of the United Kingdom?

- (a) Boris Johnson
- (b) Rishi Sunak
- (c) David Cameron
- (d) Theresa May

22. In which year did the COVID-19 pandemic begin?

- (a) 2019
- (b) 2020
- (c) 2021
- (d) 2022

23. Who became the first woman to be the Vice President of the United States?

- (a) Michelle Obama
- (b) Hillary Clinton
- (c) Kamala Harris
- (d) Nancy Pelosi

24. Which country was the first to send a rover to Mars in 2021?

- (a) USA
- (b) Russia
- (c) China
- (d) India

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25. What does "HTTP" stand for in a web address?

- (a) HyperText Transfer Protocol
- (b) HyperText Technology Protocol
- (c) Home Text Transfer Protocol
- (d) High-Tech Transfer Protocol

26. What is the largest planet in our Solar System?

- (a) Earth
- (b) Saturn
- (c) Jupiter
- (d) Neptune

27. Who invented the telephone?

- (a) Nikola Tesla
- (b) Thomas Edison
- (c) Alexander Graham Bell
- (d) Michael Faraday

28. What does the acronym "USB" stand for?

- (a) Universal Serial Bus
- (b) Uniform Serial Bus
- (c) United Serial Bus
- (d) Universal System Bus

29. When is International Women's Day celebrated?

- (a) March 8
- (b) April 15
- (c) May 1
- (d) June 10

30. On which date is World Environment Day observed?

- (a) May 15
- (b) June 5
- (c) December 5
- (d) April 22

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31. When is Gandhi Jayanti celebrated in India?

- (a) October 2
- (b) August 15
- (c) November 14
- (d) January 26

32. When did the Titanic sink?

- (a) 1910
- (b) 1912
- (c) 1920
- (d) 1905

33. Who was the first Emperor of China?

- (a) Qin Shi Huang
- (b) Mao Zedong
- (c) Liu Bang
- (d) Sun Yat-sen

34. In which year did the Berlin Wall fall?

- (a) 1987
- (b) 1990
- (c) 1989
- (d) 1995

35. Who was the first human to travel into space?

- (a) Neil Armstrong
- (b) Yuri Gagarin
- (c) Buzz Aldrin
- (d) Valentina Tereshkova

36. Who discovered America in 1492?

- (a) Christopher Columbus
- (b) Marco Polo
- (c) Ferdinand Magellan
- (d) Vasco da Gama

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37. What is the chemical symbol for gold?

- (a) Au
- (b) Ag
- (c) Hg
- (d) Pb

38. How many bones are in the adult human body?

- (a) 206
- (b) 220
- (c) 215
- (d) 212

39. What is the most abundant gas in the Earth's atmosphere?

- (a) Oxygen
- (b) Carbon Dioxide
- (c) Nitrogen
- (d) Hydrogen

40. Which part of the plant conducts photosynthesis?

- (a) Root
- (b) Stem
- (c) Leaf
- (d) Flower

41. If 5 pencils cost \$10, how much do 2 pencils cost?

- (a) \$2
- (b) \$4
- (c) \$5
- (d) \$6

42. Find the odd one out:

- (a) Dog
- (b) Cat
- (c) Elephant
- (d) Tomato

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43. If a clock shows 9:15, what is the angle between the hour and minute hands?

- (a) 90°
- (b) 45°
- (c) 60°
- (d) 180°

44. If 2, 4, 8, 16 are part of a sequence, what comes next?

- (a) 24
- (b) 32
- (c) 48
- (d) 64

45. Complete the series: A, C, E, G, ___?

- (a) H
- (b) I
- (c) J
- (d) K

46. In a sequence, if each number is 3 more than the previous one, what is the next number after 7, 10, 13?

- (a) 15
- (b) 16
- (c) 18
- (d) 20

47. Arrange the given words in the sequence in which they occur in the dictionary.

- i. Obstacle
- ii. Obscure
- iii. Obsession
- iv. Obstruct

- (a) iii, iv, i, ii
- (b) i, iv, iii, ii
- (c) ii, iii, i, iv
- (d) iv, iii, ii, i

48. If Monday is the first day of the week, which day is the 5th day?

- (a) Thursday
- (b) Friday
- (c) Saturday

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49. A bag has 5 red balls, 3 blue balls, and 2 yellow balls. If you pick one ball at random, what is the probability of getting a red ball?

- (a) $\frac{1}{3}$
- (b) $\frac{1}{5}$
- (c) $\frac{1}{10}$
- (d) $\frac{1}{2}$

50. If a train travels 60 km in 1 hour, how far does it travel in 3 hours?

- (a) 90 km
- (b) 120 km
- (c) 180 km
- (d) 240 km

51. What is the minimum voting age in India?

- a) 18 years
- b) 21 years
- c) 25 years
- d) 30 years

52. If a square has 4 equal sides of length 6 cm, what is its perimeter?

- (a) 24 cm
- (b) 36 cm
- (c) 48 cm
- (d) 12 cm















53. If you rearrange the letters in "ELPAP" to form a fruit, what is it?

- (a) Apple
- (b) Pear
- (c) Grape
- (d) Plum

54. I have keys but open no locks. I have space but no room. You can enter, but you can't go outside. What am I?

- (a) A car
- (b) A house
- (c) A keyboard
- (d) A suitcase

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55. What comes next in the pattern: , , , , ____?
- (a) 
- (b) 
- (c)    
- (d)    
56. If a farmer has 15 cows, and all but 3 run away, how many are left?
- (a) 3
- (b) 12
- (c) 15
- (d) 0
57. Who appoints the Chief Election Commissioner of India?
- a) President
- b) Prime Minister
- c) Chief Justice of India
- d) Home Minister
58. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?
- a) Brother
- b) Sister
- c) Nephew
- d) Cannot be determined
59. John is taller than Mike. Mike is taller than Sarah. Who is the shortest?
- (a) John
- (b) Sarah
- (c) Mike
- (d) Cannot be determined
60. If "All men are mortal" and "Socrates is a man," what can you conclude?
- (a) Socrates is immortal.
- (b) Socrates is a philosopher.
- (c) Socrates is mortal.
- (d) Socrates is human

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61. What does CPU stand for?

- (a) Central Process Unit
- (b) Central Processing Unit
- (c) Central Program Unit
- (d) Computer Personal Unit

62. Which of the following is a primary memory device?

- (a) Hard Disk
- (b) ROM
- (c) Floppy Disk
- (d) CD-ROM

63. The Idukki hydroelectric plant is on river _____:

- a) Krishna
- b) Periyar
- c) Godavari
- d) Tungabhadra

64. What is the main function of the ALU (Arithmetic Logic Unit) in a computer?

- (a) Perform calculations and logic operations
- (b) Store data
- (c) Control input/output operations
- (d) Manage memory

65. Which of the following is an example of hardware?

- (a) Microsoft Word
- (b) Windows OS
- (c) Monitor
- (d) Excel

66. Which of the following is software?

- (a) Keyboard
- (b) Mouse
- (c) Operating System
- (d) Printer

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67. If $A + B$ means A is the brother of B; $A - B$ means A is the sister of B and $A \times B$ means A is the father of B. Which of the following means that C is the son of M?

- a) $M - N \times C + F$
- b) $F - C + N \times M$
- c) $N + M - F \times C$
- d) $M \times N - C + F$

68. Which device is used to input data into the computer?

- (a) Printer
- (b) Monitor
- (c) Mouse
- (d) Speaker

69. Which of the following is an example of an operating system?

- (a) Windows
- (b) Google Chrome
- (c) Microsoft Word
- (d) Excel

70. Who is the author of the book 'Nineteen Eighty Four'?

- a) Thomas Hardy
- b) Emile Zola
- c) George Orwell
- d) Walter Scott

71. Which of the following is a command-line based operating system?

- (a) Windows
- (b) DOS
- (c) macOS
- (d) Linux

72. Which operating system is known for being open source?

- (a) Windows
- (b) Linux
- (c) macOS
- (d) Android

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73. The book 'To Live or Not Live' was written by

- a) V.S. Naipaul
- b) Alexandra Dumas
- c) George Elliot
- d) Nirad C. Chaudhuri

74. Which of the following is used for browsing the internet?

- (a) Microsoft Word
- (b) Google Chrome
- (c) Excel
- (d) VLC Media Player

75. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

- a) 30%
- b) 70%
- c) 100%
- d) 250%

76. Which application is used to create presentations?

- (a) Microsoft Word
- (b) Microsoft PowerPoint
- (c) Microsoft Excel
- (d) Adobe Illustrator

77. A shopkeeper expects a gain of 22.5% on his cost price. If in a week, his sale was of Rs. 392, what was his profit?

- a) Rs. 18.20
- b) Rs. 70
- c) Rs. 72
- d) Rs. 88.25

78. Which of the following is a web browser?

- (a) Windows 10
- (b) Google Chrome
- (c) Microsoft Word
- (d) Photoshop

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79. What is the main purpose of DNS (Domain Name System)?

- (a) To convert IP addresses into domain names
- (b) To send email
- (c) To manage websites
- (d) To provide data storage

80. Which device is used to connect different networks?

- (a) Switch
- (b) Hub
- (c) Router
- (d) Repeater

81. What is the place value of 7 in 5,374?

- (a) 70
- (b) 700
- (c) 7
- (d) 7,000

82. What is the greatest 2-digit number?

- (a) 90
- (b) 99
- (c) 98
- (d) 100

83. Simplify: $215 + 6 \times 2$

- (a) 42
- (b) 227
- (c) 333
- (d) 121

84. What is the least prime number?

- (a) 0
- (b) 1
- (c) 2
- (d) 3

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85. What is 45% of 200?

- (a) 45
- (b) 90
- (c) 100
- (d) 120

86. Divide 120 by 6. What is the result?

- (a) 15
- (b) 20
- (c) 25
- (d) 30

87. If a car travels 60 km in 1 hour, how far does it travel in 4 hours?

- (a) 120 km
- (b) 180 km
- (c) 240 km
- (d) 300 km

88. Find the LCM of 6 and 8.

- (a) 48
- (b) 24
- (c) 12
- (d) 18

89. Solve for x: $3x+5=14$.

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

90. At what rate of compound interest per annum will a sum of Rs. 1200 become Rs. 1348.32 in 2 years?

- a) 6%
- b) 6.5%
- c) 7%
- d) 7.5%

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91. Simplify : $2x+3x-4x$

- (a) x
- (b) $2x$
- (c) $4x$
- (d) $3x$

92. If $y=3$, find the value of $2y+5$.

- (a) 11
- (b) 9
- (c) 8
- (d) 6

93. Recently, who has been selected for the prestigious John Dirks Prize in global health?

- a) Dr. SK Bose
- b) Dr. Gagandeep Kang
- c) Dr. Randeep Singh
- d) Dr. Sushovan Banerjee

94. Recently, who has been appointed as the Joint Director in the CBI?

- a) Kunal Aggarwal
- b) Anurag Kumar
- c) Pankaj Saxena
- d) Sachin Singh

95. "Interest rate risk" can be placed in which among the following categories?

- a) Credit risk
- b) Market risk
- c) Operating Risk
- d) All of above

96. Who among the following is called the father of Economics?

- a) David Hume
- b) Lamarck
- c) Adam Smith
- d) John Stuart Mill

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97. Which was the top recipient country for remittances in 2024?

- a) China
- b) Egypt
- c) India
- d) Mexico

98. Which day is observed as Police Commemoration Day every year?

- a) October 20
- b) October 21
- c) October 22
- d) October 23

99. Which city is the venue of Ganga Utsav 2024?

- a) Varanasi
- b) Haridwar
- c) Prayagraj
- d) Patna

100. Which day is observed as World Civil Defence Day?

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