

*Instruction: Answer sheet will be evaluated by the OMR, for each question you have to select only one answer, if you select more than one and mark them your answer will not be considered.*

01. What do you call a word that is spelled the same way backward as forward?

- a) Palindrome    b) Anagram    c) Homonym    d) Antonym

02. The development of Tadpole into adult Frog is by

- a) Moulting    b) Fertilization    c) Metamorphosis    d) Budding

03. Which element has the chemical symbol "Pt" and is used extensively in catalytic converters in automobiles?

- a) Palladium    b) Platinum    c) Potassium    d) Phosphorus

04. It took us quite a long time to get here, it was \_\_\_\_\_ journey.

- a) three-hour    b) a three-hours    c) a three-hour    d) under three hours

05. Which organ in the human body produces insulin, a hormone that regulates blood sugar levels?

- a) Pancreas    b) Liver    c) Kidney    d) Spleen

06. Which airport of India won the second rank in the Cirium list of top-performing global airports of 2022?

- a) New Delhi    b) Bengaluru    c) Mumbai    d) Chennai

07. Who is the most successful pace bowler in the history of international cricket, as of 2022?

- a) Jasprit Bumrah    b) James Anderson    c) Ravindra Jadeja    d) Ishant Sharma

08. Which sage is traditionally credited with composing the Mahabharata and is considered a central character in the epic?

- a) Vyasa    b) Valmiki    c) Tulsidas    d) Kalidasa

09. Bats can fly in the dark, because

- a) they have better vision in the dark    b) the pupils of their eyes are very big  
c) they are guided by Ultrasonic waves produced by them    d) None of these

10. Identify the figure that completes the pattern.

a)



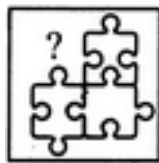
b)



c)



d)



11. Who is the pioneer of Lasik surgery in India? (Passage Questions)  
a) Susruta    b) El Zahrawi    c) Dr Burjor P Banaji    d) Edmund Hopfner

12. What is the main cause of ocean acidification?  
a) Deforestation    b) Air pollution  
c) Plastic waste    d) Increased carbon dioxide levels

13. Which is the smallest number that, when added to 80, results in a perfect square?  
a) 2    b) 3    c) 1    d) 4

14. Sound is dangerous noise pollution at \_\_\_\_\_ decibels.  
a) above 80    b) above 30    c) above 100    d) above 120

15. Who is the Jamaican sprinter known for setting world records in the 100m and 200m events?  
a) Justin Gatlin    b) Yohan Blake    c) Usain Bolt    d) Asafa Powell

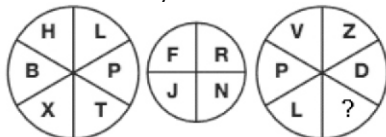
16. "Matrimandir" is located in  
a) Pondicherry    b) Chennai    c) Panaji    d) Hyderabad

17. A pond serves as a good example for a \_\_\_\_\_ water ecosystem.  
a) Fresh    b) Brackish    c) Marine    d) Saline

18. What is the term for the cycle of birth, death, and rebirth in Hinduism and Buddhism?  
a) Samsara    b) Moksha    c) Nirvana    d) Karma

19. While in the court of \_\_\_\_\_, Megasthenes wrote "Indica"?  
a) Bindusara    b) Chandragupta Maurya    c) Ashoka    d) Akbar

20. Find the missing character?  
a) X    b) F    c) H    d) P



21. Which software is commonly used for 3D modeling and animation in the film and gaming industry?  
a) Adobe Photoshop    b) Autodesk Maya    c) Microsoft Word    d) Final Cut Pro

22. Which of the following is included in fermented beverage?  
a) Squash    b) Lassi    c) Syrup    d) Milk

23. Rungrado May Day Stadium is located in which country?  
a) Thailand    b) China    c) North Korea    d) South Korea

24. In Hinduism, which deity is often associated with the concept of destruction and transformation?

- a) Brahma      b) Vishnu      c) Shiva      d) Lakshmi

25. Which of the following is a fundamental particle that carries a positive electric charge and is found in the nucleus of an atom?

- a) Electron      b) Neutron      c) Proton      d) Photon

26. Technology used to provide the Internet by transmitting data over telephone network wires

- a) Transmitter      b) Diodes      c) HHL      d) DSL

27. The following is (are) concerned with developing a pool of candidates in line with the Human Resource plan.

- a) Development      b) Training      c) Recruitment      d) All of these

28. The man fell at Mandlik's feet and offered \_\_\_\_\_ as a reward.

- a) Gold Coin      b) Money      c) Food      d) Clothes      (Passage Question)

29. Who is credited with inventing the theremin in 1920?

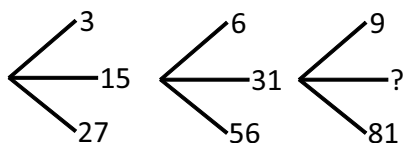
- a) Ludwig van Beethoven      b) Wolfgang Amadeus Mozart  
c) Leon Theremin      d) Johann Sebastian Bach

30. Construction of the first nuclear reactor is credited to

- a) Niels Bohr      b) Fermi      c) Einstein      d) Oppenheimer

31. Which one will replace the question mark ?

- a) 45      b) 41      c) 32      d) 40



32. A term in series is missing. Find the missing term amongst the options. 0.5, 1.5, 4.5, 13.5, ?

- a) 45.5      b) 39.5      c) 30.5      d) 40.5

33. The first goal in a group discussion is \_\_\_\_\_.

- a) Prove your superiority      b) Create sub-groups  
c) Act as a self-appointed leader of      d) Catch the group's attention

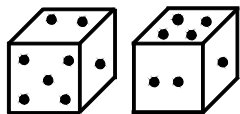
34. What percent of a day is 3 hours?

- a)  $12\frac{1}{2}\%$       b)  $16\frac{2}{3}\%$       c)  $18\frac{2}{3}\%$       d)  $22\frac{1}{2}\%$

35. Nehru: A Troubled Legacy' was written by whom?

- a) Kapil Sibal      b) Sanjay Joy      c) Varun Gundh      d) R N P Singh

36. 'National Milk Day' is observed to commemorate the birth anniversary of which personality?  
 a) M S Swaminathan    b) Dr. Verghese Kurien    c) Charan Singh    d) Morarji Desai
37. In August 2023, who among the following has been appointed as the Managing Director & CEO of SBI Life Insurance Company?  
 a) Arundhati Bhattacharya    b) Amit Jhingran  
 c) Aditya Puri    d) Rajnish Kumar
38. In which country is the "Emerald Buddha Temple" located?  
 a) Cambodia    b) China    c) Nepal    d) Thailand
39. The study of sentence structure is \_\_\_\_\_.  
 a) Semantics    b) Syntax    c) Phonology    d) Pragmatics
40. If the ratio of three numbers is 3:4:7, and their product is 18144, what are the individual numbers?  
 a) 9, 12, 21    b) 15, 20, 25    c) 18, 24, 42    d) None of these
41. Who was the first woman to serve as the Prime Minister of a Muslim-majority country?  
 a) Angela Merkel    b) Golda Meir    c) Benazir Bhutto    d) Margaret Thatcher
42. At which of the following place in Pakistan is the only Swaminarayan Temple is located?  
 a) Islamabad    b) Lahore    c) Karachi    d) Ahmedabad
43. In a certain code language, "RIVER" is written as 12351 and "RED" is written as "156". How is "DRIVER" written in that code language?  
 a) 612311    b) 612531    c) 621351    d) 612351
44. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?  
 a) 3    b) 1    c) 2    d) 4
45. The program that provided federally subsidized care for the elderly is known as  
 a) Medigap    b) Medicare    c) Mediplan    d) Medicaid
46. What is the name of the process in which a cell divides into two identical daughter cells?  
 a) Mitosis    b) Meiosis    c) Cytokinesis    d) Apoptosis



47. A book titled "Believe - what life and cricket taught me" is the auto biography of which famous cricketer?

- a) Yuvaraj Singh   b) Suresh Raina   c) VVS Laxman   d) Sachin Tendulkar

48. Which of the following elements is not found in fatty acid?

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

49. Which among the following always decreases in a food chain across trophic levels?

- a) Number   b) Accumulated Chemicals   c) Energy   d) None of these

50. Which of the following helps in soil formation?

- a) Formation of rocks   b) Arrangement of layers of sand  
c) Breaking down of rocks   d) Arrangement of rocks

51. The important parts of our food are called \_\_\_\_\_.

- a) Fats   b) Nutrients   c) Minerals   d) Roughage

52. What is the term for a situation in which two or more countries engage in a competitive race to acquire military or economic superiority?

- a) Cold War   b) Proxy War   c) Arms Race   d) Peacekeeping

53. Which state is the venue of the India-Oman joint military drill 'AL NAJAH'?

- a) Maharashtra   b) Rajasthan   c) Sikkim   d) Andhra Pradesh

54. Which of these can be detected by ELISA?

- a) Leprosy   b) Cancer   c) AIDS   d) Malaria

55. Which tennis player holds the record for the most Grand Slam singles titles in history?

- a) Rafael Nadal   b) Roger Federer   c) Serena Williams   d) Novak Djokovic

56. Dehydration is the method of preserving food by \_\_\_\_\_.

- a) adding salt to the food   b) adding sugar to the food  
c) boiling the food   d) removing water from food

57. One CFC molecule can destroy \_\_\_\_\_ ozone molecules.

- a) 100   b) 1000   c) 10000   d) 100000

58. What does "career development" refer to?

- a) Finding a job   b) Advancing within your current job  
c) Changing careers frequently   d) Taking extended breaks from work

59. Which part of the Indian Constitution deals with Fundamental Rights?

- a) Part I    b) Part III    c) Part IV    d) Part VI

60. How many times do the hour and minute hands of a clock overlap or coincide within a 24-hour period?

- a) 22    b) 24    c) 26    d) 28

61. If "marathon" is related to "race," then "hibernation" is related to what?

- a) Winter    b) Bear    c) Dream    d) Sleep

62. Where is India's first carbon neutral farm located?

- a) Assam    b) Gujarat    c) Kerala    d) Telangana

63. The Hydroponics is most closely related to, which among the following?

- a) Grafting of Plants    b) Water conservation  
c) Study of Vegetable    d) Soilless culture of plants

64. What is the primary ingredient in the Indian bread called "Naan"?

- a) Rice    b) Wheat    c) Corn    d) Millet

65. Which of the following is NOT a step in the typical job interview process?

- a) Resume submission    b) Phone screening  
c) Accepting the job offer    d) Reference check

66. What is B.Lib?

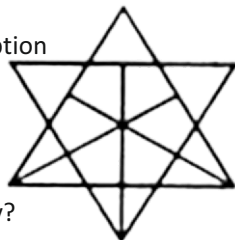
- a) Home Science    b) Bachelor of Library Science  
c) Working in Library    d) Book Shop

67. Leadership is the ability to secure desirable actions from a group of followers voluntarily, without the use of

- a) coercion    b) blandishments    c) discipline    d) deception

68. Find the number of triangles in the given figure.

- a) 21    b) 23    c) 25    d) 27



69. Which organ regulates the amount of Sodium in the body?

- a) Liver    b) Spleen    c) Pancreas    d) Kidneys

70. Which among the following is a good example of a dictatorship?

- a) Great Britain    b) Germany    c) North Korea    d) Canada

71. Radio activity has applications in

- a) Medicine    b) Agriculture    c) Industry    d) All of these

72. Who among the following has received the World Innovation Award at the first BRICS Innovation Forum hosted in Moscow?

- a) Abhay Jere    b) Shanta Thoutam    c) K. Elangovan    d) Dipan Kumar Sahu

73. Icons are \_\_\_\_\_.

- a) Typed commands    b) Verbal commands  
c) Picture commands    d) Imaginary commands

74. Who wrote the poem "The Raven"?

- a) Edgar Allan Poe    b) Robert Frost    c) Emily Dickinson    d) William Wordsworth

75. The orbit of a geostationary satellite is \_\_\_\_\_.

- a) any height    b) fixed Height  
c) height above pole    d) height which depends upon its mass

76. Which literary term refers to the use of hints or clues in a story to suggest what will happen later?

- a) Foreshadowing    b) Irony    c) Metaphor    d) Symbolism

77. The basic unit of a worksheet into which you enter data in Excel is called a \_\_\_\_.

- a) Cell    b) Table    c) Box    d) Column

78. Which of the following is NOT a type of computer virus?

- a) Trojan    b) Worm    c) Firewall    d) Spyware

79. Where is the National Institute of Sports located? It is the academic wing of the Sports Authority of India and Asia's largest sports institute?

- a) New Delhi    b) Lucknow    c) Mumbai    d) Patiala

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



(1)



(2)

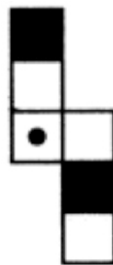


(3)



(4)

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



(x)

81. Which of the following is not an example of an operating system?

- a) Windows 98    b) BSD Unix    c) Microsoft Office XP    d) Red Hat Linux

82. Large amplitude of sound vibrations will produce:

- a) Loud sound    b) Meak sound    c) Slow sound    d) Shreak

83. What percentage of young people aged 12 - 21 are not vigorously active on a daily basis?

- a) 25%    b) 50%    c) 75%    d) 100%

84. Tick the correct meaning of the underlined Idiom:

He has made 'a real dog's breakfast' of these accounts.

- a) A life of misery    b) Muddle or mess    c) To be ruined    d) No chance at all

85. What is the main ingredient in the South Indian dish "Sambar"?

- a) Lentils    b) Rice    c) Potatoes    d) Chickpeas

86. The co-ordinates of points P (-2, 2), Q (3, 2) and R (3, -2) are the vertices of a rectangle PQRS. What are the co-ordinates of S?

- a) (-3, -2)    b) (-2, -2)    c) (3, 2)    d) (2, 2)

87. Which sport is the Duran Cup associated with?

- a) Swimming    b) Football    c) Table Tennis    d) Hockey

88. The process of transferring files from a Computer on the Internet to your Computer is called

- a) Uploading    b) Forwarding    c) FTP    d) Downloading

89. Which of the following expression is Monomial?

- a)  $x + 1$     b)  $pqr$     c)  $pq + r$     d)  $p + qr$

90. IC chips used in computers are made by \_\_\_\_\_.

- a) Chromium    b) Lead    c) Silicon    d) Silver

91. A polyhedron has 6 vertices and 12 edges. It is a

- a) Tetrahedron    b) Octahedron    c) Icosahedron    d) Dodecahedron

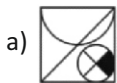
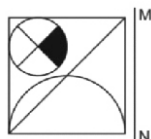
92. Which of the following is correct?

- a) If  $-4 < 3$ , then  $4 < -3$     b) If  $-2 < 5$  then  $2 > 5$   
c) If  $0 > -7$ , then  $0 < 7$     d) If  $8 > 1$ , then  $-8 > -1$

93. Which city hosted the 'Conference on International Security 2022'?

- a) New Delhi    b) Colombo    c) Moscow    d) Dhaka

94. If a mirror is placed on the line MN, then which is the right image of the given figure?





95. Jayanta Mahapatra, who recently passed away, was a veteran \_\_\_\_\_

- a) Wrestler    b) Artist    c) Poet    d) Politician

96. Where did the idea of "single citizenship" come from?

- a) Germany    b) Canada    c) England    d) America

97. Article 18 of the Indian Constitution deals with

- a) Abolition of Untouchability                      b) Abolition of Titles  
c) Abolition of Child labour                      d) Right to Equality

98. Which of the following diagrams indicates the best relation between Author, a Lawyer and Singer ?

- a)  b)  c)  d) 

99. The immune system comprises \_\_\_\_\_.

- a) Humoral and fibrous systems                      b) Humoral and Cell-mediated systems  
c) Antigens                      d) Lymphocytes

100. What is the maximum number of votes which can be cast in Electronic Voting Machine?

- a) 2840    b) 3840    c) 5000    d) 6500

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BRAIN O' THON

MOCK EXAMINATION 2024

INSTRUCTION: FOR EACH QUESTION YOU HAVE TO SELECT ONLY ONE ANSWER, IF YOU SELECT MORE THAN ONE , YOUR ANSWER WILL NOT BE CONSIDERED .

STUDENT NAME																												
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C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
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P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
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5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

MULTIPLE CHOICE QUESTION																			
1	A	B	C	D	26	A	B	C	D	51	A	B	C	D	76	A	B	C	D
2	A	B	C	D	27	A	B	C	D	52	A	B	C	D	77	A	B	C	D
3	A	B	C	D	28	A	B	C	D	53	A	B	C	D	78	A	B	C	D
4	A	B	C	D	29	A	B	C	D	54	A	B	C	D	79	A	B	C	D
5	A	B	C	D	30	A	B	C	D	55	A	B	C	D	80	A	B	C	D
6	A	B	C	D	31	A	B	C	D	56	A	B	C	D	81	A	B	C	D
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11	A	B	C	D	36	A	B	C	D	61	A	B	C	D	86	A	B	C	D
12	A	B	C	D	37	A	B	C	D	62	A	B	C	D	87	A	B	C	D
13	A	B	C	D	38	A	B	C	D	63	A	B	C	D	88	A	B	C	D
14	A	B	C	D	39	A	B	C	D	64	A	B	C	D	89	A	B	C	D
15	A	B	C	D	40	A	B	C	D	65	A	B	C	D	90	A	B	C	D
16	A	B	C	D	41	A	B	C	D	66	A	B	C	D	91	A	B	C	D
17	A	B	C	D	42	A	B	C	D	67	A	B	C	D	92	A	B	C	D
18	A	B	C	D	43	A	B	C	D	68	A	B	C	D	93	A	B	C	D
19	A	B	C	D	44	A	B	C	D	69	A	B	C	D	94	A	B	C	D
20	A	B	C	D	45	A	B	C	D	70	A	B	C	D	95	A	B	C	D
21	A	B	C	D	46	A	B	C	D	71	A	B	C	D	96	A	B	C	D
22	A	B	C	D	47	A	B	C	D	72	A	B	C	D	97	A	B	C	D
23	A	B	C	D	48	A	B	C	D	73	A	B	C	D	98	A	B	C	D
24	A	B	C	D	49	A	B	C	D	74	A	B	C	D	99	A	B	C	D
25	A	B	C	D	50	A	B	C	D	75	A	B	C	D	100	A	B	C	D

STUDENT'S SIGNATURE

INVIGILATOR'S SIGNATURE