



OLIVE MISSION

A Residential Academic Programme

Scholarship Entrance Exam

OLIVENIEFT 2024

For Class-VIII in 2024-2025

Name of Student: _____ Roll No. _____

Course Name: _____ Invigilator Sign/Date _____

Duration : 2 hrs.

General Instruction-

- All questions are compulsory.
- Do not write anything on question paper.
- Write all the answer on the given answer booklet.
- Write question number properly.
- Figures in right hand margin indicate maximum marks for the given question.
- There is no negative marking
- Blank papers, calculators, tablets, mobile phones or any other electronic gadget in any form are not allowed to be used.
- Question paper are divided into 3 section.

Question no.	Subject
1 to 20	English
21 to 36	Mathematics
37 to 56	Science
57-70	MAT
71-80	Social Studies

Subject- English

Subject-Maths

28. A square and a rectangle have the same perimeter. Calculate the area of the rectangle if the side of the square is 60 cm and the length of the rectangle is 80 cm.
 (a) 6400 cm^2 (b) 3200 cm^2 (c) 320 cm^2 (d) 32000 cm^2

29. From a circular sheet of radius 4 cm, a circle of radius 3 cm is cut out. Calculate the area of the remaining sheet after the smaller circle is removed.
 (a) $7\pi \text{ cm}^2$ (b) $8\pi \text{ cm}^2$ (c) $6\pi \text{ cm}^2$ (d) $9\pi \text{ cm}^2$

30. A tetrahedron has 4 vertices and 6 edges. Find the number of faces it has.
 (a) 4. (b) 2 (c) 3 (d) 6

31. $7x^2(3x - 9) + 3$. find its values for $x = 6$.
 (a) 2217. (b) 2271 (c) 3089 (d) 2089

32. If 72% of 25 students like maths, find out the number of students who do not like mathematics?
 (a) 2. (b) 7 (c) 9 (d) 8

33. Find the smallest number by which 128 must be divided to obtain a perfect cube.
 (a) 2. (b) 3 (c) 4 (d) 6

34. Find the cube root of 17576
 (a) 21. (b) 23 (c) 24 (d) 26

35. Mr X went shopping with a certain amount of money. He spent Rs. $10(\frac{1}{4})$ on buying a pen
 And Rs. $25(\frac{3}{4})$ in food. He then gave the remaining Rs. $16(\frac{1}{2})$ to his friend. Calculate how much money he initially had.
 (a) Rs. $105/2$. (b) Rs. $115/2$ (c) Rs. 105 (d) Rs. $55/2$

36. Solve for x: $2(x+2)+5(x+5)=4(x-8)+2(x-2)$
 (a) 65 (b) -65 (c) -70 (d) 70

Subject-Science

37. Statement 1: Sweat glands, salivary glands and oil glands do not release their secretions directly into the blood.
 Statement 2: These glands do not have ducts.
 A. Both statements are correct. B. Only statement 2 is correct.
 C. Both statements are incorrect. D. Only statement 1 is correct.

38. The information given below refers to which of the following hormone- (i) Glands secreting the hormone are located on top of the kidneys. (ii) Converts glycogen into glucose.
 (iii) Increases blood pressure.
 A. Testosterone B. Insulin C. Adrenaline D. Progesterone

39. The pituitary gland is located below the _____.
 A. Thalamus B. medulla oblongata C. vas deferens D. hypothalamus

40. The number of eggs produced in internal fertilisation is
 A. more than external fertilization
 B. less than external fertilization
 C. more or less than external fertilisation depending on the environmental conditions
 D. equal to external fertilisation

41. Name the process in which tadpoles develop into young frogs.
 A. Budding B. Fertilisation C. Metamorphosis D. Embedding

42. What is the advantage of sexual reproduction over asexual reproduction?
 A. There is no advantage – asexual reproduction is more advantageous
 B. There are more variations

Mental Aptitude Test

57. What comes next? Circle, Triangle, Rectangle, Circle, Triangle, ...
a) Circle b) Square c) Rectangle d) Triangle

58. Choose the odd one out: Algebra, Geometry, Calculus, Dictionary
a) Algebra b) Geometry c) Calculus d) Dictionary

59. What is the missing number in the sequence: 1, 1, 2, 6, 24, ...?
a) 120 b) 100 c) 72 d) 150

60. What number comes next in the series: 1, 1, 2, 3, 5, ...?
a) 8 b) 10 c) 11 d) 13

61. If you have me, you want to share me. If you share me, you haven't got me. What am I?
a) Money b) Love c) A secret d) Happiness

62. If you throw a red stone into the blue sea what will it become?
a) It becomes wet b) It sinks
c) It changes colour d) It disappears

63. If there are 3 apples and you take away 2, how many do you have?
a) 1 b) 2 c) 3 d) 5

64. A man is looking at a photograph of someone. His friend asks who it is. The man replies, "Brothers and sisters, I have none. But that man's father is my father's son." Who is the man in the photograph?
a) The man's son b) The man himself
c) The man's father d) The man's brother

65. A man is 24 years older than his son. In 2 years, his age will be twice his son's age. What is the son's current age?
a) 20 b) 21 c) 22 d) 23

66. If 'SCHOOL' is coded as 'SXPNNLD', how is 'HOME' coded?
a) HPNLD b) HNQMF c) HPNLF d) HPLNE

67. It takes 5 workers 5 minutes to make 5 widgets. How long would it take 100 workers to make 100 widgets?
a) 5 minutes b) 100 minutes c) 20 minutes d) 1 minute

68. If A is the father of B and C, and D is the mother of B and E, how is E related to C?
a) Brother b) Sister c) Half-brother d) Cousin

69. How many months have 28 days?
a) 1 b) 2 c) 6 d) All of them

70. M is the brother of N. N is the daughter of O. O is the wife of P. How is M related to P?
a) Son b) Daughter c) Brother d) Nephew

Subject-Social Studies

71. The positive impact of industrialisation on society includes :
(a) Pollution reduction (b) Employment opportunities
(c) Preservation of cultural heritage (d) Climate change

72.was the Governor-General of India from 1798 to 1805 .
(a) Lord Wellesley (b) Lord Dalhousie
(c) Tipu Sultan (d) Haider Ali

73. The Battle of Plassey ,was fought in.....
(a) 1759 (b) 1757 (c) 1760 (d) 1750

74. In 1856,was annexed by Lord Dalhousie.
(a) Awadh (b) Lucknow (c) Bengal (d) Hyderabad

75. What was the main purpose of the Ryotwari System ?
(a) To eliminate the British rule
(b) To increase agricultural productivity
(c) To direct collect revenue from ryots
(d) To promote traditional handicrafts

76. Which religious practice was banned by the British under Lord William Bentinck's leadership in 1829?
(a) Cow worship (b) Child marriage
(c) Sati system (d) Fasting during festivals

77.partitioned Bengal in 1905.
(a) Viceroy Curzon
(b) A O Hume
(c) WC Banerjee
(d) Ghandhiji

78. Muhammad Ali and Shaukat Ali started the
(a) Quit India Movement
(b) Khilafat Movement
(c) Non-Cooperation Movement
(d) All of these

79. Which slogan was associated with the Quit India Movement ?
(a) Divide and Rule
(b) Do or Die
(c) Ahimsa Paramo Dharma
(d) InquilabZindabad

80. Which leader is often referred to as the ' Architect of the Indian Constitution ' ?
(a) Mahatma Gandhi
(b) Jawaharlal Nehru
(c) B.R. Ambedkar
(d) SardarVallabhbhai Patel

Subject-Computer

81. _____ creates a link between a user and the computer
a) Device Driver b) Utilities c) Operating System d) Image Viewer

82. The connection of computers which are communicated to each other through various communication channels.
a) Computer network b) Internet c) E-mail d) None of these

83. NIC stands for
a) Not In Connection b) Network Interface Card
c) New Instruction Card d) Newly Inserted Card

84. This network connects the computers and the devices in a limited geographical area such as home, school, building etc.
a) LAN b) WAN c) WLAN d) MAN

85. The Set Of Instructions Given To The Computer.
a) Program
b) Commands
c) Hardware
d) Software

86. _____ introduced the concept of 0(zero).
a) Ada lovelace
b) Aryabhat
c) Charles Babbage

87. d) None of these
A _____ converts the decimal format into its binary equivalent.
a) Digital computer b) Cell phone c) Abacus d) None of these

88. A computer understand only the _____ code.
a) English b) French c) Binary d) None of these

89. In Binary multiplication, 1×1 equals to _____.
a) 0 b) 1 c) 2 d) None of these

90. The process of exchanging information, data etc from one computer to another.
a) Computer communication b) Migration c) Translation d) None of these