



# OLIVE MISSION

A Residential Academic Programme

**Scholarship Entrance Exam**

**OLIVENEET 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**

1. Meaning of the word 'Diligent' is ...  
(a) Fool (b) Unhappy (c) Hardworking
2. 'Pay my fees on time.' This is an example of which type of sentences?  
(a) Imperative (b) Assertive (c) Exclamatory
3. Deri seems.....some weight.  
(a) having lost (b) to have lost (c) to have been lost
4. Choose the antonym for word 'Accountable'.  
(a) Guilty (b) Innocent (c) Punishable
5. What is the synonym of word 'Eventually'?  
(a) Suddenly (b) Ultimately (c) Quickly
6. The antonym of 'Accurate' is ....  
(a) Precise (b) Deceptive. (c) Particular

7. One who loves one's country -  
(Choose the correct one word substitution).  
(a) Revolutionary (b) Ambassador (c) Patriot
8. Ritesh likes sweets a lot. (Identify the types of adverb)  
(a) Manner (b) Frequency (c) Degree
9. He .....to my house to tell me what.....  
(a) Came, happened. (b) comes,happens (c) came,had happened
10. I told him that I .....hard for the last four hours. (work)  
(a) worked (b) am working (c) had been working
11. ....he is busy ,he finds enough time for his family  
(a) As (b) Though (c) If
12. Which pair of nouns is composed of males and females?  
(a) Hen-Chick (b) Bull-Cow (c) lady-lass
13. 'We are going to reach the destination as scheduled'. This sentence is in  
(a) Present Perfect. (b) Present Continuous. (c) Simple Present
14. What Billy did shocked his friends.  
(a) Noun phrase (b) Noun clause (c) Adjective clause
15. When we get ready for dinner I have to take my books.....the table.  
(Choose the correct preposition)  
(a) Off (b) Out (c) From
16. Every weekend we put trash can.....for garbage collection.  
(a) Across. (b) Out (c) At
17. A choir will sing a song.  
(a) A song will sing a song (b) A song will be sung by a choir.  
(c) A song will being sung by a choir.
18. He said to me," When can you go to Ambala?"  
(a) He asked me when I could go to Ambala.  
(b) He told me that he could go to Ambala.  
(c) He asked me if he could go to Ambala.
19. She \_\_\_\_\_ her office by 9 a.m. daily.  
(a) reach. (b) reaches. (c) reached. (d) reaching
20. The company \_\_\_\_\_ of its stakeholders.  
(a) think. (b) thought. (c) thinks. (d) thinking

### Subject-Maths

21. How many numbers from 1001 to 2000 are divisible by 4?  
(a) 250 (b) 200. (c) 160 (d) 240
22. Factorisation of  $x^2 - 2xy + y^2 - z^2$  is:  
(a)  $(x + y + z)(x - y + z)$  (b)  $(x - y + z)(x - y + z)$   
(c)  $(x + y - z)(x - y + z)$  (d)  $(x - y - z)(x - y + z)$
23. Solve for  $(4x^2 - 100) \div 6(x + 5)$   
(a)  $\frac{2}{3}(x - 5)$  (b)  $(x - 5)$   
(c)  $\frac{2}{3}(x + 5)$  (d)  $(x + 5)$
24. A car travels 14 km in 25 minutes. Find out how far the car can travel in 5 hours if the speed remains the same?  
(a) 168 km. (b) 268 km (c) 250 km (d) 150 km
25. If 15 workers can finish a task in 42 hours, calculate the number of workers required to complete the same task in 30 hours.  
(a) 24. (b) 21 (c) 30 (d) 26
26. Simplify  $[25 \times t^4] / [5^{-3} \times 10 \times t^{-8}]$   
(a)  $[625/2] t^4$  (b)  $[625/2] t^3$  (c)  $[25/2] t^4$  (d)  $[625] t^4$
27. 5 books and 5 paper sheets are placed in a stack. Find the total thickness of the stack if each book has a thickness of 20 mm and each sheet has a thickness of 0.016 mm.  
(a)  $1.0008 \times 10^1$  mm. (b)  $1.8 \times 10^2$  mm  
(c)  $1.0008 \times 10^2$  mm (d)  $1.08 \times 10^2$  mm

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)  $6400 \text{ cm}^2$  (b)  $3200 \text{ cm}^2$  (c)  $320 \text{ cm}^2$  (d)  $32000 \text{ cm}^2$
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.  $105\frac{1}{2}$ . (b) Rs.  $115\frac{1}{2}$  (c) Rs. 105 (d) Rs.  $55\frac{1}{2}$
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

- C. Less number of offspring are produced  
D. Competition for food is less
43. Creation of wildlife reserves and endorsement of laws are conservation measures that promote increased  
A. exploitation of species                      B. use of biological control  
C. preservation of species                      D. use of biological fertilisers
44. Identify the correctly matched pair from the following.  
A. Sunderban – Rhino                      B. Ranthambore – Lion  
C. Gir – Lion                      D. Kaziranga – Sea turtle
45. Species found exclusively in a particular area are called \_\_\_\_\_ species.  
A. Endangered                      B. Endemic                      C. Migrating                      D. extinct
46. The suspended particles released by combustion of coal in air may lead to a health disease. Select the correct option.  
A. Goitre                      B. Arthritis                      C. Asthma                      D. Bone cancer
47. The efficiency of a fuel is expressed in terms of its \_\_\_\_\_.  
A. density                      B. calorific value                      C. volume                      D. purity
48. CO<sub>2</sub> extinguishers help extinguish fires by –  
A. Cutting supply of nitrogen.                      B. Limiting the supply of fuel.  
C. Reducing the heat of the surroundings.                      D. Cutting the supply of oxygen.
49. Identify the substance which is tough, porous and black. It is almost a pure form of carbon.  
A. Crude oil                      B. Coke                      C. Coal tar                      D. Coal gas
50. Which of the following is used in metal extraction?  
A. Coke                      B. Petroleum                      C. Coal gas                      D. Coal tar
51. In India, which association advises people on saving petrol or diesel while driving?  
A. Petroleum Conservation Research Association (PCRA)  
B. Coal Conservation Research Association (CCRA)  
C. Eco-driving advice  
D. Petroleum Conservation Association (PCA)
52. In order to take precautionary steps to control dengue, we must take measures to stop the breeding of \_\_\_\_\_.  
A. Aedes mosquito                      B. Fleas  
C. Fire ants                      D. Anopheles mosquito
53. Which of the following is a communicable disease?  
A. Diabetes                      B. Chicken pox                      C. Alzheimer's                      D. Cancer
54. The bacterium present in curd is:  
A. Salmonella typhi                      B. Lactobacillus                      C. enicillin                      D. Vibrio cholera
55. Which of the following should be used by a farmer with a large farm to harvest his crops quickly and efficiently?  
A. Winnowing machine                      B. Combine                      C. Sickle                      D. Seed drill
56. Consider the following statements about weeding and identify the **incorrect** one.  
A. Weeding is best done during tilling itself.  
B. Weeding is the process of growing weed.  
C. Weeding is the process of removal of weeds.  
D. Weeding is usually done manually or by using weedicides.

## **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 ?
- To eliminate the British rule
  - To increase agricultural productivity
  - To direct collect revenue from ryots
  - To promote traditional handicrafts
76. Which religious practice was banned by the British under Lord William Bentinck's leadership in 1829?
- Cow worship
  - Child marriage
  - Sati system
  - Fasting during festivals
77. ....partitioned Bengal in 1905.
- Viceroy Curzon
  - A O Hume
  - WC Banerjee
  - Ghandhiji
78. Muhammad Ali and Shaukat Ali started the .....
- Quit India Movement
  - Khilafat Movement
  - Non-Cooperation Movement
  - All of these
79. Which slogan was associated with the Quit India Movement ?
- Divide and Rule
  - Do or Die
  - Ahimsa Paramo Dharma
  - InquilabZindabad
80. Which leader is often referred to as the ' Architect of the Indian Constitution ' ?
- Mahatma Gandhi
  - Jawaharlal Nehru
  - B.R. Ambedkar
  - SardarVallabhbhai Patel

### **Subject-Computer**

81. \_\_\_\_\_ creates a link between a user and the computer
- Device Driver
  - Utilities
  - Operating System
  - Image Viewer
82. The connection of computers which are communicated to each other through various communication channels.
- Computer network
  - Internet
  - E-mail
  - None of these
83. NIC stands for
- Not In Connection
  - Network Interface Card
  - New Instruction Card
  - Newly Inserted Card
84. This network connects the computers and the devices in a limited geographical area such as home, school, building etc.
- LAN
  - WAN
  - WLAN
  - MAN
85. The Set Of Instructions Given To The Computer.
- Program
  - Commands
  - Hardware
  - Software
86. \_\_\_\_\_ introduced the concept of 0(zero).
- Ada lovelace
  - Aryabhat
  - Charles Babbage

- d) None of these
87. 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,  $1 \times 1$  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