



साथ रहेंगे Success तक

IIT-JEE | NEET | NDA



CLASS
8

OLYMPIAD EXAM 2024-25

CLASS 8th OLYMPIAD EXAM | APRIL MONTHS

Total Questions : 50

Time : 60 Minutes

Name :

Class : Section :

SECTION-I (ENGLISH)

Select the suitable option of the given four options to fill in the blanks :

- Mohan _____ to swim in the river.
(a) like (b) likes (c) is liking (d) has liked
- It got so dark that we _____ not see the path.
(a) can (b) could (c) must (d) will
- Arun bought _____ white shirt.
(a) an (b) a (c) the (d) none
- The only people who _____ interested in this seem to lawyers.
(a) is (b) are (c) were (d) have been
- An epidemic of measles _____ broken out in the district.
(a) are (b) is (c) has (d) have
- He made us _____ for an hour.
(a) wait (b) to wait (c) waiting (d) waited
- Make hay _____ the sun shines.
(a) while (b) when (c) where (d) how
- He came here _____ the Kalka mail.
(a) in (b) into (c) by (d) with
- If you do so, you will hurt _____.
(a) you (b) yours (c) yourself (d) himself
- Mohan and Sohan are two brothers, the _____ is my friend.
(a) later (b) latter (c) latest (d) last

SECTION-II (MATHEMATICS)

- Simplest form of $3 - \frac{1}{2 - \frac{1}{7}}$:
(a) $\frac{13}{32}$ (b) $\frac{32}{13}$ (c) $\frac{7}{13}$ (d) $\frac{13}{7}$

2. Solve for x : $\frac{x+9}{28} + \frac{x-4}{3} = \frac{5x-32}{9} - \frac{2x-3}{35}$
 (a) -19 (b) +19 (c) 29 (d) -29
3. How many sides does a regular Polygon have if the measure of an exterior angle is 24° ?
 (a) 20° (b) 39° (c) 30° (d) 15°
4. If $\sqrt{1 + \frac{x}{289}} = 1\frac{1}{17}$, then x is equal to :
 (a) 1 (b) 13 (c) 35 (d) 15
5. Which of the following is incorrect?
 (a) The cube of an even natural number is always even. (b) The cube root of a rational number $\frac{x}{y}$ is $\frac{3\sqrt{x}}{3\sqrt{y}}$.
 (c) The cube of a negative number is always positive. (d) 2197 is a perfect cube.
6. If $\left(\frac{3}{7}\right)^{2x} \times \left(\frac{3}{7}\right)^{-11} = \left(\frac{7}{3}\right)^{-5}$, then find the value of 'x' :
 (a) -8 (b) -6 (c) 8 (d) 16
7. 8 men can do a piece of work in 10 days. How long will 10 men take?
 (a) 12 days (b) 8 days (c) 7 days (d) 6 days
8. $6\sqrt{5}x^2 - 2x - 4\sqrt{5}$ is equal to :
 (a) $(\sqrt{5}x - 2)(6x + 2\sqrt{5})$ (b) $(\sqrt{5}x + 2)(6x + 2\sqrt{5})$ (c) $(\sqrt{5}x + 2)(6x - 2\sqrt{5})$ (d) $(\sqrt{5}x - 2)(6x - 2\sqrt{5})$
9. How many cubes of 10cm edge can be put in a cubical box of 1m edge?
 (a) 10 (b) 100 (c) 1000 (d) 7200
10. Find the greater 4 digit number which is a perfect square :
 (a) 4123 (b) 9999 (c) 1728 (d) 9801

SECTION-III (SCIENCE)

1. What are the important steps in the preparation of soil?
 (a) Loosening & sowing (b) Loosening and weeding (c) Turning and sowing (d) Turning and loosening
2. Which of the following is used to preserve food grains at home?
 (a) Spinach leaves (b) Curry leaves (c) Neem leaves (d) Tulsi leaves
3. Arrange the following agricultural practices in the order in which they are followed.
 1. Harvesting
 2. Sowing
 3. Storage
 4. Irrigation
 5. Preparation of soil
 (a) 1→2→3→4→5 (b) 5→2→4→1→3 (c) 2→1→3→5→4 (d) 5→3→4→1→2

4. Identify the agricultural method in which different crops are grown on a piece of land season after season.
 (a) Irrigation (b) Monoculture (c) Crop rotation (d) Shifting cultivation
5. Rhizobium bacteria in the root nodules of leguminous plants help in fixing :
 (a) Sulphur (b) Oxygen (c) Nitrogen (d) Hydrogen
6. Which of the following tool helps in the uniform distribution of seeds while sowing?
 (a) Thresher (b) Seed drill (c) Funnel connected to pipes (d) Sprinkler
7. Which type of irrigation is similar to rainfall?
 (a) Moat (b) Sprinkler system (c) Rahat (d) Drip system
8. Weeds are controlled by chemicals called _____.
 (a) Pesticides (b) Fungicides (c) Weedicides (d) Insecticides
9. If you were a farmer, which of the following methods would you use to separate good quality and viable grains from a heap of grains after harvest?
 (a) Checking the weight of grains. (b) Checking grains under sunlight for pores.
 (c) Immersing the grains in water. (d) Sowing seeds and waiting for germination.
10. 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.

SECTION-IV (SOCIAL STUDIES)

1. Who was the last Viceroy of India?
 (a) Lord Canning (b) Lord Mountbatten (c) Dtipon (d) Lord Wellesley
2. When did Tipu Sultan became the ruler of Mysore?
 (a) 1781 (b) 1780 (c) 1779 (d) 1782
3. What is Imperialism?
 (a) Imperialism is a political system (b) Imperialism is a technical term
 (c) Imperialism is a traditional system (d) None of these
4. When did the National Archives came up in India?
 (a) 1875 (b) 1956 (c) 1920 (d) 1985
5. Which of these have some utility?
 (a) Water (b) electricity (c) Vegetables (d) All of these
6. Nitrogen fixation can be done by :
 (a) Industries (b) Rhizobium (c) Lightening (d) All of the above
7. The number and ability of people is usually referred as :
 (a) Human resources (b) Stock of resources (c) Natural resources (d) Renewable resources
8. In a secular country :
 (a) All religious receive due protection and respect (b) The country puts ban on religion
 (c) There is one state religion (d) None of these
9. When was the Indian Constitution adopted or passed?
 (a) 15 August 1947 (b) 9 December 1946 (c) 26 November 1949 (d) 26 January 1950
10. The Constitution of India came into force from
 (a) 15 August 1947 (b) 26 November 1949 (c) 26 January 1949 (d) 26 January 1950

SECTION-V (REASONING)

1. $3 : 25 :: 7 : \underline{\quad ? \quad}$
 (a) 42 (b) 35 (c) 43 (d) 49
2. '-' stands for '÷', '+' stands for '×', '÷' stands for '-' and '×' stands for '+' then find ?
 $6 \div 20 \times 12 + 7 - 1 = ?$
 (a) 70 (b) 71 (c) 35 (d) 40
3. ENGLAND is written as 1234526 and FRANCE is written as 785291, how is GREECE coded as :
 (a) 381171 (b) 381191 (c) 832252 (d) 835545
4. "755945764598756764325678"
 How many 5's are there which are preceded by 7 and followed by 6?
 (a) One (b) Two (c) Four (d) Three
5. 594, 198, 66, $\underline{\quad ? \quad}$
 (a) 33 (b) 22 (c) 11 (d) 6
6. Which pair is similar to 8 : 4 ?
 (a) 27 : 9 (b) 216 : 32 (c) 45 : 5 (d) 37 : 13
7. Choose odd one out :
 (a) Bangladesh : Taka (b) Brazil : Real (c) Cyprus : Dollar (d) Japan : Yen
8. Find odd one out :
 (a) 5 : 15 (b) 121 : 363 (c) 33 : 99 (d) 29 : 70
9. ABD, EFH, IJL, MNP, QRT, ?
 (a) XYZ (b) VWY (c) VVX (d) XZA
10. Vowels : 2 :: Consonant : ?
 (a) 1 (b) 2 (c) 3 (d) 4