CLASS 7th OLYMPIAD EXAM | APRIL MONTHS

Total Questions : 50   **Time : 60 Minutes**

Name : ....

Class : ....   Section : ....

SECTION-I (ENGLISH)
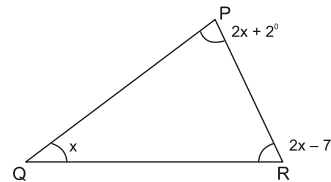
Select the suitable option of the given four options to fill in the blanks :

1. Beauty _____ no ornaments.
   (a) need   (b) needs   (c) is needing   (d) has needed

2. Run fast lest you _____ miss the train.
   (a) can   (b) could   (c) may   (d) should

3. Kalidas is _____ shakespeare of India.
   (a) an   (b) a   (c) the   (d) none

4. There _____ plenty of time before the bus leaves.
   (a) are   (b) were   (c) was   (d) is

5. Please let me _____ my work.
   (a) do   (b) to do   (c) doing   (d) done

6. He lives _____ London in England.
   (a) at   (b) into   (c) in   (d) on

7. _____ you work hard, you will not pass.
   (a) until   (b) since   (c) because   (d) unless

8. _____ student is absent today.
   (a) much   (b) many   (c) many a   (d) none

9. I was told so by the teacher _____.
   (a) ourselves   (b) himself   (c) myself   (d) itself

10. The _____ train of the day has been cancelled.
    (a) later   (b) latter   (c) latest   (d) last

SECTION-II (MATHEMATICS)
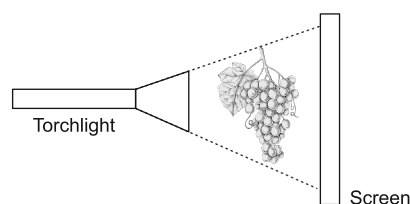
1. By what number should $-33/8$ be divided to get $11/2$?
   (a) $3/4$ (b) $-3/4$ (c) $4/3$ (d) $-4/3$

2. Find the simplified expression of : $7x^2 - [x^2 - 3x - \{x + y\}] - (5x - 3y + 3)$
   (a) $6x^2 - 2x + 4y + 3$ (b) $6x^2 - 2x - 4y - 3$ (c) $6x^2 - 2x + 4y - 3$ (d) None of these

3. $0.4 \div 04 \div 0.4 = ?$
   (a) 0.25   (b) 2.5   (c) 0.025   (d) None of these

4. What is the median of first 9 multiple of 12?
   (a) 36   (b) 60   (c) 48   (d) 72

5. The additive inverse of $\left(\dfrac{25}{4} \times \dfrac{2}{5} \right) - \left(\dfrac{-1}{5} \times \dfrac{-10}{3} \right)$:

   (a) $1\dfrac{5}{6}$ (b) $\dfrac{6}{11}$ (c) $-1\dfrac{5}{6}$ (d) $\dfrac{-6}{11}$

6. If $\dfrac{3^{2x-6}}{225} = \dfrac{5^2}{5^x}$, then value of 'x' will be :

   (a) 4   (b) 2   (c) 5   (d) None of these

7. Study the statement given below carefully :
   (i) The successor of $0 \times (-52)$ is $1 \times (-52)$.
   (ii) Integer are closed under division.
   (iii) $(-20) \times (5 - 3) = (-20) \times (-2)$
   (iv) $(-2) + (-9)$ is less than $(-9) - (-2)$
   Which of the following is correct?
   (a) Only (i)   (b) Both (i) and (iv)   (c) Only (iv)   (d) Both (i) and (iii)

8. A committee buys 43.7kg og wheat at ₹ 12 per kg and distribute among 152 people. What is the amount of money spent for each person?
   (a) ₹ 3.75   (b) ₹ 24.4   (c) ₹ 3.45   (d) ₹ 4.35

9. Solve for x : $3 (2x - 1) + 25\%$ of $x = 97$
   (a) 20   (b) 24   (c) 12   (d) 16

10. The value of x in the adjoining figure is :
    (a) 76^0
    (b) 67^0
    (c) 113^0
    (d) 37^0

SECTION-III (SCIENCE)

1. In cockroaches, air enters the body through :
   (a) lungs   (b) gills   (c) spiracles   (d) skin

2. Anu shone torchlight at a bunch of grapes as shown here. What can Anu do to enlarge the Torchlight shadow of the bunch of Screen grapes on the screen?

(i) Shift the grapes nearer to the torchlight

(ii) Shift the screen away from the grapes.

(iii) Shift the screen closer to the grapes.

(iv) Shift the torchlight further away from the grapes.

(a) (i) and (iii) only   (b) (i) and (ii) only   (c) (111) and (iv) only   (d) (ii) and (iv) only
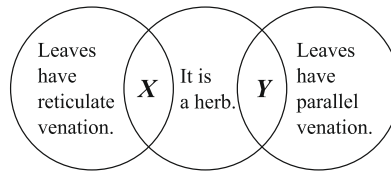
3. Raju used a magnet to attract an iron nail. Then he observed that more nails could be attracted in a manner as shown here. N represents North Pole of magnet.

Which of the following statements about the iron nails is correct?

(a) P and S are the north poles   (b) Q will repel T.

(c) S and U will attract each other.   (d) R and T are like poles.
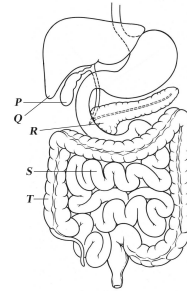
4. Refer to the given Venn diagram and select the correct option regarding X and Y.

	X	Y		X	Y
(a)	Aloe	Mint	(c)	Basil	Mustard
(b)	Coriander	Maize	(d)	Palm	Bamboo

5. Refer to the given diagram of human digestive system and select the correct option regarding its labelled parts P, Q, R, S and T.

(a) R secretes digestive enzymes viz, amylase, lipase, pepsin, trypsin, etc.

(b) P secretes bile juice whereas T secretes hydrochloric acid.

(c) S is longer in herbivores as compared to carnivores to aid the digestion of cellulose rich food.

(d) Q is the largest digestive gland which secretes different enzymes for digestion of fats, proteins and carbohydrates.

6. The given figure shows the cross sections of two blood vessels X and Y found in humans. Identify them and select the incorrect option regarding them.

(a) X always carries oxygen rich blood away from the heart whereas Y always carries carbon dioxide rich blood towards the heart.

(b) Y is provided with valves to prevent the back flow of blood whereas valves are absent in X.

(c) X is usually deep seated whereas Y is superficially placed.

(d) Pressure of blood is much higher in X as compared to Y.

7. The acid secreted by stomach is :

(a) HCl   (b) H_2Cl (c) KCl   (d) K_2Cl

8. The strongest and longest human bone :

(a) upper arm bone   (b) shoulder bone   (c) thigh bone   (d) none of these

9. When the switch is in the _____ position, the circuit is complete.

(a) off   (b) on   (c) half on   (d) none of the above

10. During exhalation, the ribs :

(a) move outwards   (b) move downwards   (c) move upwards   (d) do not move at al

SECTION-IV (SOCIAL STUDIES)

1. The first Mughal Emperor in India was _____ :
   (a) Babar　　　　　(b) Shah Jahan　　　　　(c) Akbar　　　　　(d) Jahangir
2. The "Thar desert" where is it spreaded?
   (a) India or Pakistan　(b) Only India　　　　(c) Only Pakistan　　(d) None of these
3. What's the Tenure of Loksabha in India?
   (a) 5 year　　　　　(b) 6 year　　　　　　(c) 4 year　　　　　(d) None of these
4. What's the age is required to apply the post of "President of India"?
   (a) ≥ 35　　　　　(b) < 35　　　　　　(c) > 35　　　　　　(d) = 35
5. Which of the following Lattitude line is very bigger than others?
   (a) Equator　　　　(b) Tropic of Cancer　(c) Tropic of Capricon　(d) None of these
6. What's the name of Kerala Coastal Plain is called :
   (a) Malabar　　　　(b) Konkan Coast　　(c) Cannara Coast　　(d) Kathiawar Coast
7. Who was the Initial Guru of Chandergupta Morya-I?
   (a) Chankya　　　　(b) Megasthneiz　　(c) Guru Nanak Dev　(d) Kabirdas
8. Which of the following is "Rabi Seasonal Crop"?
   (a) Wheat　　　　　(b) Paddy　　　　　(c) Cotton　　　　　(d) Millet
9. Magma applied the force in the inner part of the earth is called _____.
   (a) Endogenic force　(b) Exogenic force　(c) Gravitational force　(d) None of these
10. "New Parliament House of India" is situated in which of the following Mega City?
    (a) New Delhi　　　(b) Chennai　　　　(c) Kolkata　　　　(d) Mumbai

SECTION-V (REASONING)

1. 1, 6, 15, ?, 45, 66, 91
   (a) 25　　　　　　(b) 26　　　　　　(c) 27　　　　　　(d) 28
2. LANGOUR : RZMTLFL : : CERTAIN : _____ ?
   (a) NVIGZRC　　　(b) NIVGZRC　　　(c) NVIGZR　　　　(d) NVIZGRC
3. What will be proper order?
   1. Trillion　　2. Million　　3. Thousand　　4. Billion　　5. Hundred
   (a) 5 3 2 4 1　　　(b) 5 3 2 1 4　　　(c) 4 5 3 2 1　　　(d) 1 2 3 4 5
4. If '×' denotes '–', '+' denotes '–', '–' denotes '+' and '–' denotes '+' and '–' denotes '×' then what is the value of :
   $136 + 4 – 5 – 68 × 75$
   (a) 165　　　　　(b) 146　　　　　(c) 173　　　　　(d) 163
5. Mill : Cloth : : Factory : ?
   (a) Fibre　　　　　(b) Textile　　　　(c) Cement　　　　(d) Oil
6. Swarm : Bee : : Flock : ?
   (a) Cattle　　　　(b) Man　　　　　(c) Sheep　　　　　(d) Fish
7. 2, 4, 8, 16, ___?___, ___?___
   (a) 32, 64　　　　(b) 64, 32　　　　(c) 32, 48　　　　(d) 48, 23
8. 2, 6, 12, 20, ___?___
   (a) 30　　　　　　(b) 32　　　　　　(c) 28　　　　　　(d) 40
9. 7, 26, 63, 124, _____
   (a) 210　　　　　(b) 216　　　　　(c) 215　　　　　(d) 224
10. MANS : HMZN : : HALK : ___?___
    (a) SZOP　　　　(b) ZSPO　　　　(c) POZS　　　　　(d) POSZ