

STATE OLYMPIAD COMBINED TEST-2024



ENGLISH VERSION

Question Paper Cum Answer Sheet

Full Marks:-

100 Marks

CLASS
9

Time:-

2 Hrs.

DATE:-...../...../ 2024

Name of Student:-.....

Class:- **Roll No:-**

Name of Centre:-.....

-:Instructions:-

- Write Roll Number clearly.
- Read the question paper carefully and answer.
- Give single (✓) mark on the correct answer only.
- Use only blue or black ball pen.

Subject	Marks Obtained
English	
Gen. Science	
Mathematics	
TOTAL	

Signature of Student

Signature of Examiner/s

Signature of Invigilator/s



ENGLISH - 40

1) Choose the correct option to complete the following sentences:-

1×8 = 8

i) What will be the correct answer of the question ?

‘ Do you go to school daily, _____ ?

- a) Do you b) don't you c) have n't you d) Is not you

ii) The old man _____ tired look rest for a while – (The correct form will be)

- a) having b) being c) having been d) is being

iii) The bird _____ in the sky as it morning now .(Fill in with correct form)

- a) flies b) is flying c) have been flying d) has been flying

iv) **Ram and his parents** _____ present in the fair.

- a) is b) are c) have been d) None of these

v) The fire **spread** the whole building (the correct phrasal verb of the underlined word is)

- a) Tell upon b) Broke out c) Spread out d) breaks out

vi) ‘Let me do it’- The voice change will be

- a) Let it be done b) Let it be done by me
c) Let me be done it d) Let it be done

vii) ‘ Man is **unable** to move’the correct **modal auxiliary** verb will be

- a) could not b) cannot
c) should not d) dare

viii) The train is running _____ time .(the correct preposition will be)

- a) in b) on c) by d) with

2) Fill in the blanks with correct answer :

1×4=4

i) An example of adjective phrase is _____

ii) They will have reached there in time . The line bears the tense is _____

iii) ‘**Very few Indians**’ the expression is the beginning of _____ degree.

iv) The **positive form** of the sentence ‘**No flower is without thorn**’ will be

Ans:- _____

v) ' Both Ram as well as Shyam is good boy .' **the correct use of the sentence is**

Ans:- _____

3) **Do as directed of the following** :

2×4=8

i) Although he is poor , he is honest (Make it simple)

Ans:- _____

ii) The teacher said to me 'Why don't you go to school daily ? (Change the mode of Narration)

Ans:- _____

iii) Potato sells cheap (Change the voice)

Ans:- _____

iv) The road was blocked so all the buses took another route (join using Nominative Absolute)

Ans:- _____


Comprehension:-10

3) **Read the passage given below and answer the questions which follow :-**

The Center for Science and Environment had recommended emergency pollution control measure for Kolkata . The CSE has found particulate pollution two or three times higher than the ambient level, the official ambient quality monitoring shows a 61% increase particulate matter in the city . The level exceeds standard by 2.7 times. Application of national air quality standards shows that November onwards more days falling air quality categories termed poor to very poor and severe.

A) Tick the correct option :

1×3=3

i) The CSE had found the pollution level of kolkata.

a) Two times higher

b) Four times higher

b) Two or three times higher

d) Ten times higher

ii) The air quality of Kolkata becomes severe from the month of November

a) Very poor ,poor and severe

b) Poor very poor and severe

c) Severe ,poor , very poor

d) Poor ,very severe and very poor

B) Fill in the blanks with information from the passage :

1×3=3

i) The CSE measures the particulate pollution _____

ii) 61% particulate matter was found in _____

iii) The level of air quality in November is _____

C) Write whether the following statements are True or False. 1×2=2

Put 'T' or 'F' in the boxes beside :

a) The CSE had recommend emergency pollution control measures for Kolkata.

b) At the end of November the air quality falls poor .

D) Find the similar meaning of words from the passage of the following words: 2×2=4

a) Normal _____ b)Intensive_____

Writing & Spoken Expression:-10

4. Tick the correct expression to complete the sentences: 1×4=4

i) The correct reply to this statement 'thanks a lot sir' is-

a) Welcome !

b) It's ok !

c)you are most welcome!

d) It's my pleasure !

ii) The 'polite expression of seeking one's help' will be-

a) Would you help please?

b) Would you help me?

c) Help please.

d) Would you help me please

iii) The 'polite expression of giving permission' will be –

a) You may.

b) Yes you can .

c) Please go ahead .

d) It's all right .

iv) 'Birth Day wishing expression' may be –

a) Wish you Happy Birth Day!

b) Happy Birth day to you!

c) All the best

d) Many Many Happy returns of the day

6. Do as Directed: 2×3=6

i) What will be your advice to your younger brother about crossing the road?

Ans:- _____

ii) What will be your **refusal expression** when someone asks your help?

Ans:- _____

iii) What will be your beginning lines in a '**process of mango pickle**'?

Ans:- _____

GENERAL SCIENCE -20

A) Tick the correct answers:-

1x6=6

1) Dimension of force is -

- a) (MLT^{-1}) [] b) (MLT^{-2}) [] c) ML^2T^{-1} [] d) ML^2T^{-2} []

2) What is the source of carbon in glucose produced in photosynthesis ?

- a) O_2 [] b) C_2H_2 [] c) CO_2 [] d) NO_2 []

3) The number of essential amino acid is -

- a) Five [] b) Eight [] c) Nine [] d) Twelve []

4) Which is relation between pressure (P), thrust (F) area (A)

- a) $P = FA$ [] b) $F = PA$ [] c) $P = FA$ [] d) $F = PA$ []

5) The fog is gas of ---

- a) Liquid solution [] b) Gas soluble in gas []
c) Solid soluble gas [] d) Gas soluble in solid []

6) Which blood group is called universal recipient ?

- a) A [] b) B [] c) AB [] d) O []

B) Answer in one or two words:

1x6=6

1) What is neogluco – genesis ?

Ans:-

2) What is the unit of latent heat ?

Ans:-

3) What kind of wave sound is ?

Ans:-

4) Which is the main excretory product of human urine ?

Ans:-

5) What kind of reflection is made in flat mirror ?

Ans:-

6) Write the name of an isotope of Hydrogen.

C) Answer briefly in one or two sentences:

2×4=8

1) Write the value of “ Avogadro number ”

Ans:-

2) What is the renewable resource ?

Ans:-

3) What is vaccine ?

Ans:-

4) ‘ Every action has an equal and opposite reaction ’ – Explain it .

Ans:-

A) Tick the correct answers:-

14x1=14

1) $4 \times 5^x = 500$, What is the value of x^x ?

- a) 8 b) 1 c) 64 d) 27

2) $2^{1/2} \times 2^{-1/2} \times 16^{1/2} = ?$

- a) 1 b) 2 c) 4 d) $\frac{1}{2}$

3) The distance between the two points $(x, -7)$ and $(3, -3)$ is 5 units . What is the value of x ?

- a) 0, 6 b) 2, 3 c) 5, 1 d) - 6, 0

4) Which geometric figure has diagonals equal in length ?

- a) Parallelogram b) Rhombus c) Trapezium d) Rectangle

5) If $a+b+c=0$, $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab} = ?$

- a) 0 b) 1 c) -1 d) 3

6) $\text{Log}_x \frac{1}{3} = -\frac{1}{3}$; find x .

- a) 27 b) 9 c) 3 d) $\frac{1}{27}$

7) A parallelogram has height , one third of its base . Its area is 192 cm^2 . Find the height of the Parallelogram

- a) 4 cm b) 8 cm c) 16 cm d) 24 cm

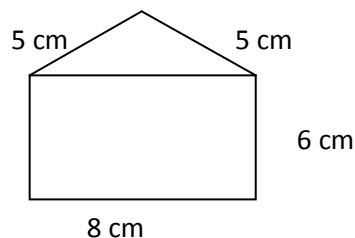
8) What is the area of the triangle whose vertices have coordinates $(0, 4)$; $(0, 0)$ and $(-6, 0)$

- a) 24 sq. unit b) 12 sq. unit c) 6 sq. unit d) 8 sq. unit

9) $p^2 - q^2 = 11 \times 9$: $p > 0$, $q > 0$, $p > q$,

- a) $p=11$, $q=9$ b) $p=33$, $q=3$ c) $p=10$, $q=1$ d) $p=100$, $q=1$

10)



- a) 108 cm^2 b) 64 cm^2 c) 60 cm^2 d) 97 cm^2

11) Two opposite angles of a parallelogram are $(50 - x)^\circ$ and $(3x - 2)^\circ$, find x .

- a) 25 b) $12 \frac{1}{2}$ c) 13 d) 14

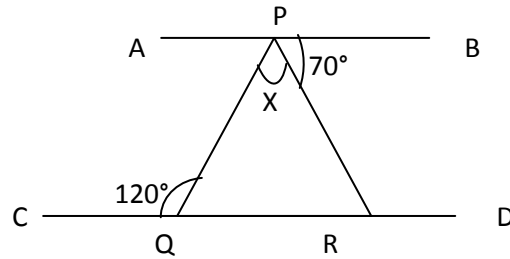
12) The semiperimeter of an equilateral triangle , whose side is $2\sqrt{3}$ cm is

- a) $4\sqrt{3}$ cm b) $6\sqrt{3}$ cm c) $3\sqrt{3}$ cm d) $24\sqrt{3}$ cm

13) The mean of first five natural numbers is –

- a) 5 b) 3 c) 4 d) 6

14) $AB \parallel CD$. $X = ?$

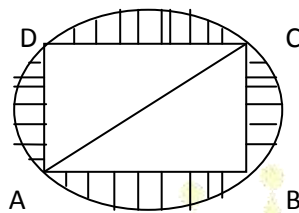


- a) 50° [] b) 60° [] c) 70° [] d) 80° []

B) Answer the following questions :

$2 \times 7 = 14$

1) The radius of the circle is 7 cm. ABCD is a square. Find the area of the shaded portion .



Ans:-

2) A circle has diameter = 'Z' units , area = 'X' sq. units and circumference = y units, find $\frac{x}{yz}$

Ans:-

3) Which is greater 3^{3^3} or $(3^3)^3$?

Ans:-

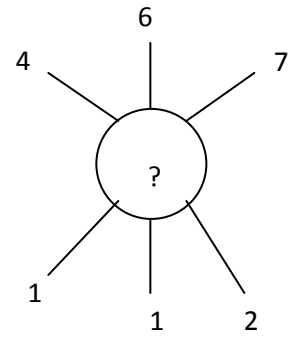
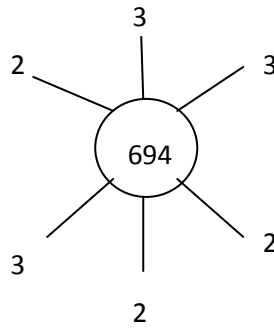
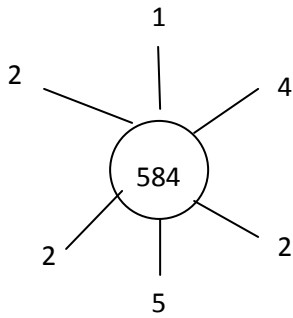
4) ABCD is a parallelogram $\angle A : \angle B = 3:2$. Find the value of $\angle A$ and $\angle B$

Ans:-

5) The ratio of the cost price and selling price of an article is 10:11. Find the profit percent.

Ans:-

6) Find the missing number.



7) If $x + 2y = 8$. Find the probable value of x and y .

C) Answer the following questions :

$3 \times 4 = 12$

1) Simplify:
$$\frac{2^{n+4} - 4 \cdot 2^{n+1}}{2^{n+2} \cdot 2}$$



2) Factorize ; $x^2 + \frac{1}{x^2} - 11$

3) Prove that : $(x + y)^3 - (x - y)^3 - 6y(x^2 - y^2) = 8y^3$

4) A square paper of side 12 cm is rolled into the form of a cylinder . Find the curved surface area.

For Rough Use

