



ALL KERALA BHAVAN'S SCHOLARSHIP EXAMINATION, NOVEMBER 2023

Class: IX

Date: 28.11.2023

Marks:100

Time: 1½ hrs

GENERAL INSTRUCTIONS:

Read the instructions carefully before answering

1. Please fill up your Roll No. and class in the box provided on the OMR sheet.
2. This question booklet contains 50 questions and 5 Tie Breaker questions. All questions including 'Tie Breaker Questions' are mandatory. Tie Breaker questions will be evaluated only in case of a Tie.
3. Each question carries 2 marks.
4. Each question has 4 answer choices a,b,c,d.
5. For each question, select the best/correct option and darken the bubble completely against the corresponding question in the OMR sheet provided.
6. Use a blue/black ball point pen to darken the bubble.
7. Darken only one bubble against each question.
8. There will be no negative marking.

Choose the correct answer from the options given.

1. After being enemies for a decade, they have now decided to bury the hatchet. The underlined idiom means:
 - a. to embrace each other
 - b. to work together
 - c. to continue fighting
 - d. to make peace
2. Look at the hint given below and complete the sentence that follows choosing the correct option from the choice given.
Sudha Murthy - social worker - accomplished author
Sudha Murthy _____ author.
 - a. is not only an social worker but also a accomplished
 - b. are both a social worker and an accomplished
 - c. is a social worker and an accomplished
 - d. has been a social worker and a accomplished
3. Select the word which means the same as the group of words given.
One who can use both hands with equal ease.
 - a. Ambidextrous
 - b. Quixotic
 - c. Virtuoso
 - d. Dexterous
4. Select the correct passive form of the given sentence. They are making elaborate arrangements for the party.
 - a. Elaborate arrangements have been made for the party.
 - b. Elaborate arrangements are made for the party.
 - c. Elaborate arrangements are being made for the party.
 - d. Elaborate arrangements were being made for the party.
5. Select the correct indirect form of the given sentence. She said to me, "Have you ever flown a kite?"
 - a. She asked me if you have ever flown a kite.
 - b. She asked me that had I ever flown a kite.
 - c. She asked me if I had ever flown a kite.
 - d. She asked me if I ever flew a kite.
6. Choose the correct figure of speech in the following sentence: 'The wind lies asleep in the arms of dawn.'
 - a. Metaphor
 - b. Hyperbole
 - c. Personification
 - d. Oxymoron
7. Select the option that identifies the error and supplies the correction. **Stories of dolphins saving human lives has been told throughout history.**

Option	error	correction
a.	has	have
b.	lives	Life
c.	been	being
d.	saving	saved

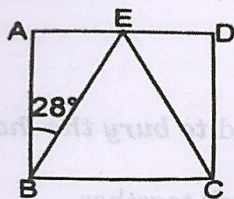
8. The distance of the point A(-6, 8) from the origin is
 a. 6 units b. 8 units c. 14 units d. 10 units

9. If $\frac{x}{y} + \frac{y}{x} = -1$ ($x, y \neq 0$), then the value of $x^3 - y^3$ is
 a. 1 b. -1 c. 0 d. 12

10. Which of the following is equal to $x^?$

a. $(x)^{\frac{12}{7}} - (x)^{\frac{5}{7}}$ b. $\sqrt[12]{(x^4)^{\frac{1}{3}}}$ c. $(\sqrt{x^3})^{\frac{2}{3}}$ d. $(x)^{\frac{12}{7}} - (x)^{\frac{7}{12}}$

11. If each side of a triangle is doubled, then its area is _____ times the area of the original triangle.



- a. 5
 b. 4
 c. 3
 d. 2

12. In the given figure, ABCD is a square such that AE = DE. Find BEC.

- a. 28° b. 56° c. 62° d. 24°

13. The value of $\sqrt{45-3\sqrt{20+4\sqrt{5}}}$ is

- a. $3\sqrt{5}$ b. $2\sqrt{5}$ c. $\sqrt{5}$ d. $\sqrt{10}$

14. The ordinate of a point on the line $x + y = 6$ is two times its abscissa. The point is

- a. (1,2) b. (2,4) c. (2,1) d. (4,2)

15. The perimeter of an isosceles triangle 32cm, The ratio of equal sides to its base is 3:2. Then the area of the triangle is ,

- a. $\sqrt{2}$ b. $10\sqrt{2}$ c. $16\sqrt{2}$ d. $32\sqrt{2}$

16. If $2x+y = 8$ and $xy = 6$, the value of $4x^2+y^2$ is

- a. 40 b. 24 c. 44 d. 20

17. A body is thrown vertically upward with velocity u , the greatest height h to which it will rise is

- a. $\frac{u^2}{g}$ b. $\frac{u^2}{2g}$ c. $\frac{u}{g}$ d. $\frac{u}{2g}$

18. A carpenter exerts a force of magnitude 1.5 N at right angles to the surface of a nail of mass 3 gram to drive it into the wood. If wood offers a resistive force of 0.6 N and the time of interaction of hammer and the nail 0.01 s, the depth through which the nail penetrates is

- a. 15 cm b. 15 m c. 1.5 cm d. 1.5 mm

19. The distance between two objects has increased 6 times without changing their mass. What is the new force of attraction between them?

- a. 36 times b. 6 times c. 1/6 times d. 1/36 times

20. The boiling point of water at higher altitude is

- a. 373 K b. < 373 K c. > 373 K d. 273 K

21. The following question consists of two statements, namely, Assertion (A) and Reason (R). Read both the sentences carefully and choose the correct option:

Assertion (A): The nucleus of all atoms contains both protons and neutrons.

Reason (R): ${}_6\text{X}^{14}$, ${}_7\text{Y}^{14}$ represent atoms of different elements.

- a. Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
 b. Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
 c. Assertion (A) is true but reason (R) is false. d. Assertion (A) is false but reason (R) is true.

22. **Direction:** Each question contains statements given in two columns which have to be matched. Statements (A, B, C, D) in column-I have to be matched with statements (p, q, r, s) in column II.

Column I

- (A) Collenchyma
 (B) Sclerenchyma
 (C) Tracheids
 (D) Aerenchyma

Column II

- (p) Water transport
 (q) Provide buoyancy to aquatic plants
 (r) Provides flexibility
 (s) Mechanical strength

- a. A-r, B-s, C-p, D-q b. A-q, B-r, C-p, D-s c. A-s, B-r, C-p, D-q d. A-r, B-s, C-q, D-p
23. Two balls of same masses are dropped on sand, the depths of penetration is same if,
 a. heavier ball is dropped faster than the lighter ball.
 b. lighter ball is dropped faster than heavier ball.
 c. the product 'mv' is same for both bodies.
 d. both the bodies are dropped simultaneously with same velocity.

24. Two substances A and B were made to react and forms a substance A_2B according to the following reaction $2A + B \rightarrow A_2B$

Which of the following statements concerning this reaction are incorrect?

- i) The product A_2B shows the properties of substances A and B.
 ii) The product will always have a fixed composition.
 iii) The product so formed cannot be classified as a compound.
 iv) The product is an element.

- a. i,ii and iii b. ii,iii and iv

c. i,iii and iv

d. i,ii and iv

25. The mass of glucose and mass of water required to make 250g of 25% solution of glucose are:
 a. 125g of glucose and 250g of water. b. 62.5g of glucose and 187.5g of water.
 c. 105g of glucose and 150g of water. d. 65.5g of glucose and 157g of water.

26. The following question consists of two statements, namely, Assertion (A) and Reason (R). Read both the sentences carefully and choose the correct option:

Assertion (A): Efficiency and the technology evolved by people have made countries like Japan rich / developed.

Reason (R): Countries like Japan have invested in human resources.

a. Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).

b. Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).

c. Assertion (A) is true but reason (R) is false.

d. Assertion (A) is false but reason (R) is true.

27. The following question consists of two statements, namely, Assertion (A) and Reason (R). Read both the sentences carefully and choose the correct option:

Assertion (A): Democracy enhances the dignity of citizens.

Reason (R): The poorest and the least educated do not have the same status as the rich and the educated in a democracy.

a. Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).

b. Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).

c. Assertion (A) is true but reason (R) is false.

d. Assertion (A) is false but reason (R) is true.

45. If you are a fitness walker, you don't need to go to a health gym. You also don't need any fitness equipment for work out. All you need is a pair of comfortable athletic shoes. This paragraph supports which of the following statements.
- Fitness walking is better than weight lifting
 - Walking outdoors provides more health benefits than walking indoors.
 - Fitness walking is an effective and convenient form of exercise.
 - poorly designed shoes can cause foot injuries
46. Six books A,B,C,D,E and F are placed side by side. B,C and E have 'blue' cover and other books have 'red' colour. Only D and F are new books and rest are old. A,C and D are law reports and the others are Gazetteers. Which book is a new law report with red colour.
- A
 - B
 - C
 - D
47. Eight executives - H, I, J, K, L, M, N & P are sitting around a circular table. M is third to the right of J & second to the left of K. H is at immediate left of I. P is at immediate right of K. L is third to the left of N. Which of the following pair of persons shows the nearest neighbour of 'M'?
- K, I
 - L, I
 - H, I
 - H, L
48. Read the following information carefully to answer the question that follows:
- I. 'P + Q' means P is the father of Q. II. 'P - Q' means P is the mother of Q.
 III. 'P x Q' means P is the brother of Q. IV. 'P ÷ Q' means P is the sister of Q
- Which of the following means 'H' is paternal grandfather of T?
- H + J + T
 - T x J + H
 - H + J x T
 - H - J + T
49. Starting with 0, a growing number sequence is generated by the rule given below. To get the next number: Substitute 0 with 01. Substitute 1 with 10. Accordingly, the first four terms of the sequence are
- 0 → 01 → 0110 → 01101001
- What is the next number in the sequence?
- 1100000000000000
 - 0110100110010110
 - 11010011001
 - 11010010110
50. You are trying to decide what kind of car to buy. You make a chart to compare a two seater, sports car, a two door Sedaan and a minivan in three categories. Which would not be a suitable category?
- price
 - gas mileage
 - tyre pressure
 - storage capacity

★ ★ ★ ★ ★

TIE BREAKER

51. Choose the correctly spelt word
- connoisseur
 - connaisseur
 - conaisseur
 - commossieur
52. There are 25 boys in a horizontal row. Shivam was shifted by three places towards his right side and he occupies the middle position in the row. What was his original position from the left end of the row?
- 15th
 - 10th
 - 12th
 - 16th
53. Who is the founder of Golden Temple?
- Jagjeevan Ram
 - Chaudhary Charan Singh
 - Guru Arjun Dev
 - Rabindranath Tagore
54. Two chemical species X and Y combine together to form a product P which contains both X and Y.



X and Y cannot be broken down into simpler substances by simple chemical reactions. Which of the following concerning the species X, Y and P are correct?

- P is a compound.
 - X and Y are compounds.
 - X and Y are elements.
 - P has a fixed composition.
- (i), (ii) and (iii)
 - (ii), (iii) and (iv)
 - (i), (ii) and (iv)
 - (i), (iii) and (iv)

