

ENROLLMENT NUMBER:

STUDENT NAME:

Class

3

Maximum Marks : 100
Duration : 40 Minutes
Total Questions : 35

Test Paper Type

BB

STEM ^{4th} INNOVATION OLYMPIAD 2025-2026

Instructions for the Candidates

1. For filling up information about yourself on the OMR sheet, you will be given additional ten minutes before the start of the examination.
2. Write your 12-digit STEM Enrollment Number and your name on top of the Question Paper in the given space.
3. Do not forget to sign the OMR sheet. Also, write your Roll No. on the Question Paper Booklet.
4. The Question Paper Booklet comprises 35 questions, divided into three sections.
5. Section-A: Science (10 questions), Section-B: Technology & Engineering (15 questions) and Section-C: Mathematics (10 questions).
6. Each question of Section-A carries 2.75 marks, Section-B carries 3 marks, and Section-C carries 2.75 marks.
7. All the questions are compulsory, and there is no negative marking.
8. Use of a calculator or any other devices in the examination is strictly prohibited.
9. Choose only ONE OPTION as an answer.
10. BLUE/BLACK ball pen is preferred to darken the circle; however, in case of non-availability, an HB pencil can be used. Mark your choice of answer in the OMR sheet, by darkening a circle as shown below.

(A) (B) (C) (D)
11. Rough work should be done on the blank sheet/space provided in the Question Paper Booklet.

Section-A (Science)

1. Animals are grouped by what they eat. Read the descriptions for each group (P, Q and R).

Group P: These animals only eat plant parts.

Group Q: These animals hunt and eat other animals for their food.

Group R: These animals eat both plant parts and other animals.

Choose the option that correctly identifies the animals into Group P, Q, and R.

Group P	Group Q	Group R
A. Deer, Zebra	Lion, Tiger	Raccoon, Crow
B. Cow, Lion	Wolf, Raccoon	Fox, Rabbit
C. Elephant, Shark	Eagle, Fox	Pig, Chicken
D. Giraffe, Pig	Crocodile, Snake	Vulture, Sheep

2. Which of the following is not an insectivorous plant?

- A. Venus flytrap
- B. Bladderwort
- C. Pitcher plant
- D. Opuntia

3. Read the statements carefully related to force and answer the following question.

Statement 1: Force can make a moving object stop.

Statement 2: Force can change the shape of an object.

Statement 3: Force can make an object move faster.

Statement 4: Force can change the direction in which an object is moving.

Which of the above statements are correct?

- A. Only Statements 1, 2, and 3 are correct
- B. Only Statements 2 and 4 are correct
- C. Only Statements 1, 3, and 4 are correct
- D. All four statements are correct

4. Which of the following is NOT an example of circular motion?

- A. The blades of a running ceiling fan.
- B. A car moving on a straight highway.
- C. The hands of a wall clock.
- D. A child riding on a merry-go-round.

5. Read the statements carefully related to sense organs and answer the following question.

Statement 1: Eyes help us to see things around us.

Statement 2: Ears help us to smell different things.

Statement 3: Nose helps us to detect different smells.

Statement 4: Skin helps us to feel hot, cold, or rough surfaces.

Which of the above statements are correct?

- A. Only Statements 1 and 2 are correct
- B. Only Statements 1, 3, and 4 are correct
- C. Only Statements 2 and 4 are correct
- D. Only Statements 3 and 4 are correct

Space for Rough Work

6. Which of the following statements are correct?

- I. The Moon is larger in size than the Earth.
- II. Stars produce their own light and heat.
- III. Earth is larger in size than the Moon.
- IV. The Moon is Earth's only natural satellite.

- A. I and II only
- B. I, II and III only
- C. III and IV only
- D. II, III and IV only

7. The states of matter include solids, liquids and gases. The table given below, includes the properties of the solids, liquids and gases. Choose the option that correctly identifies properties of solids, liquids and gases.

	<i>Solids</i>	<i>Liquids</i>	<i>Gases</i>
A.	Fixed shape	Fixed shape	Fixed Volume
B.	Fixed shape	Fixed Volume	No Fixed Shape
C.	Fixed Volume	Fixed shape	No Fixed Volume
D.	No fixed volume	Fixed Volume	No Fixed Volume

8. Fill in the blanks.

1 is an example of condensation and 2 is an example of evaporation.

- | | | |
|----|----------------------|-------------------------------------|
| | 1 | 2 |
| A. | Foggy car windows | Wet clothes drying on a clothesline |
| B. | Hot tea getting cold | Morning dew on the grass |
| C. | Drying of wet hair | Hot tea getting cold |
| D. | Drying of wet hair | Foggy car windows |

9. Select the correct option identifying solid, liquid, and gas.

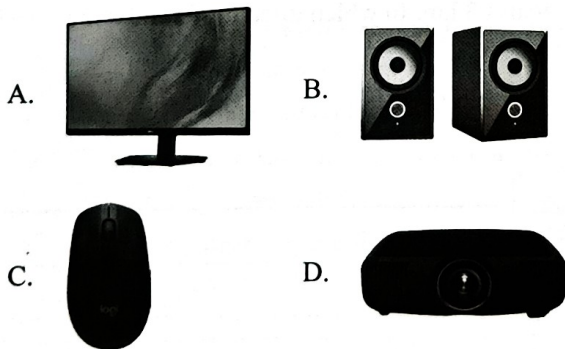
	<i>Solid</i>	<i>Liquid</i>	<i>Gas</i>
A.	Chair	Juice	Air
B.	Book	Steam	Water
C.	Ice	Milk	Rock
D.	Sand	Air	Tea

10. Select the correct statements related to planet Mars.

- A. Mars is an outer planet of the solar system.
- B. Mars is an inner planet of the solar system.
- C. Mars is a terrestrial planet of the solar system.
- D. Both B and C

Section-B (Technology and Engineering)

11. Which of the following is an input device that helps you give commands to the computer?



12. In Scratch, which block makes the character (sprite) speak on the screen?

- A. Say "Hello!" block
- B. Move 10 steps block
- C. Hide block
- D. Play sound block

13. Which of the following is a part of the CPU?

- A. Monitor
- B. Arithmetic Logic Unit (ALU)
- C. Keyboard
- D. Speaker

Space for Rough Work

14. Google Chrome is an example of:

- A. Website
- B. Browser
- C. Homepage
- D. Web page

15. Which one of the following options is a type of system software?

- A. Paint
- B. MS Word
- C. Windows
- D. Notepad

16. Which of these is an example of Artificial Intelligence?

- A. Traffic signal with fixed timing
- B. Smartwatch that tracks your health
- C. Wall clock
- D. Light bulb

17. Which one is a good habit while using the Internet?

- A. Sharing passwords
- B. Clicking on unknown links
- C. Asking an adult for help
- D. Talking to strangers online

18. Which block is commonly used to start a Scratch program?

- A. "When flag clicked"
- B. "Forever"
- C. "Repeat"
- D. "If then"

19. What is the World Wide Web (WWW)?

- A. All the different websites we can visit.
- B. The Wi-Fi or internet signal that connects our computer.
- C. The Google Chrome or edge icon we click to go online.
- D. The name of the computer or phone we are using.

20. What does the acronym ISP stand for?

- A. International Service Provider
- B. Immediate Service Provider
- C. Internal Service Provider
- D. Internet Service Provider

21. In a certain code language, ANGLE is written as BMHKF, then how is LIGHT written in the same code language?

- A. MJHFU
- B. MHKHU
- C. MKJGU
- D. MHHGU

22. Ravi's mother Mamta is the daughter of Sita's father Shyam. How is Shyam related to Ravi?

- A. Father
- B. Maternal uncle
- C. Maternal grandfather
- D. Brother

23. A boy walks 3 km towards the East. Then he turns left and walks 3 km. After that, he turns left again and walks 3 km. In which direction is he facing now?

- A. East
- B. West
- C. North
- D. South

Space for Rough Work

24. There are 30 students in a line. Rita is standing at 5th place from the front. Aman is standing at the 10th place from the back. How many students are standing between Rita and Aman?
- A. 12
B. 13
C. 14
D. 15

25. Which one of the following numbers will replace the question mark (?) in the given pattern?

6	7	9
5	4	6
35	33	?

- A. 48
B. 40
C. 59
D. 65

Section-C (Mathematics)

26. In the smallest 4-digit number formed by the digits 6, 9, 7 and 3, which digit is in its hundreds place?

- A. 6
B. 9
C. 3
D. 7

27. Raman and Vikas got the same marks in a competitive examination. Vikas scored 284 – 136 marks. Which one of the following shows Raman's marks?

- A. 245 + 58
B. 400 – 252
C. 159 + 18
D. 506 – 379

28. Read the statements carefully and choose the correct option.

Statement 1: If we add 0 to any number, the number does not change.

Statement 2: Counting numbers start from 1, but whole numbers start from 0.

- A. Statement 1 is true and Statement 2 is false.
B. Statement 2 is true and Statement 1 is false.
C. Both the statements are true.
D. Both the statements are false.

29. Match Column (A) and Column (B) and then choose the correct option.

Column (A)

Column (B)

1. $15 + 25 =$
2. $48 \div 4 =$
3. $16 \times 5 =$
4. $50 - 30 =$
- a. 4×3
b. $30 + 10$
c. $40 \div 2$
d. $100 - 20$

- A. 1 → b, 2 → a, 3 → d, 4 → c
B. 1 → d, 2 → c, 3 → b, 4 → a
C. 1 → c, 2 → a, 3 → d, 4 → b
D. 1 → d, 2 → a, 3 → b, 4 → c








30. Sudhir started painting the wall of his house. He painted some part of the wall and then went to the market. If $\frac{2}{3}$ part of the wall is still unpainted, what fraction of the wall has been painted?

- A. $\frac{1}{2}$
B. $\frac{1}{3}$
C. $\frac{2}{5}$
D. $\frac{3}{4}$

Space for Rough Work

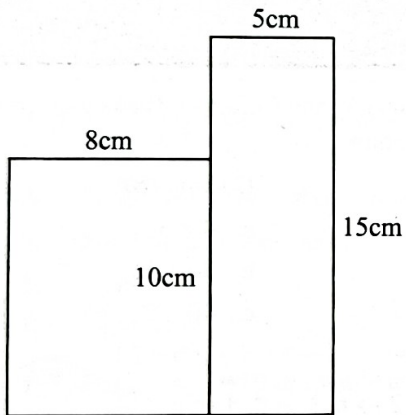
31. Seema had ₹500. She bought fruits for ₹125, toys for ₹85, and books for ₹140.
How much money is left with Seema?

- A. ₹140 B. ₹160 C. ₹145 D. ₹150

32. If  +  +  = 800 g and  +  = 550 g, then the weight of  +  +  = ?

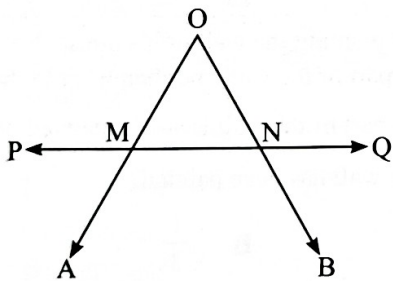
- A. 250 g B. 450 g C. 500 g D. 350 g

33. Find the perimeter of the given figure.



- A. 56 cm B. 51 cm C. 45 cm D. 35 cm

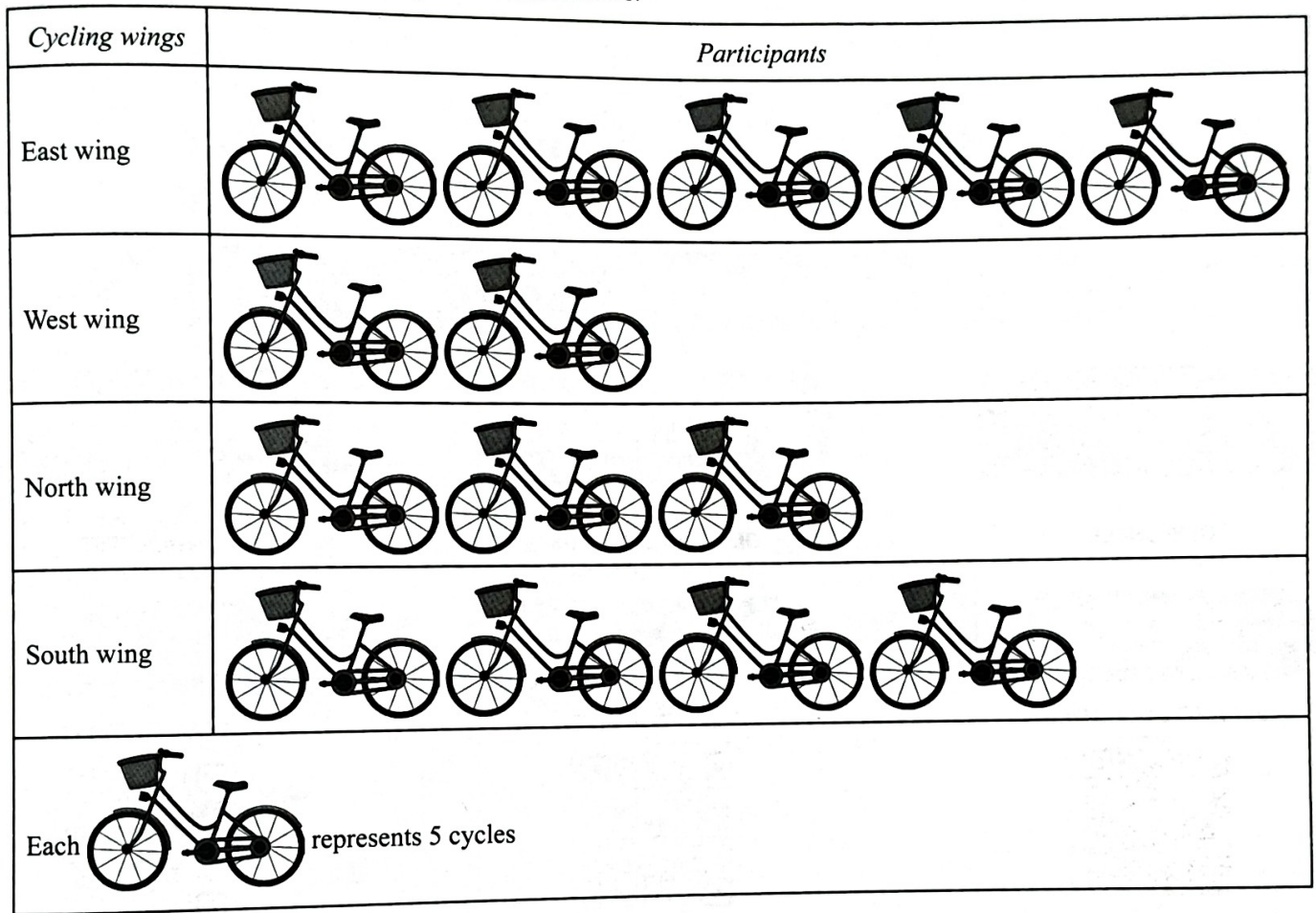
34. How many rays are there in the given figure?



- A. 4 B. 5 C. 6 D. 8

Space for Rough Work

35. The pictograph below shows the cycling wings in a school and the number of participants in each wing. Read the pictograph and answer the question that follows.



Which two wings have a total of 30 participants together?

- A. East and South wings
- B. West and South wings
- C. West and North wings
- D. North and South wings

Space for Rough Work

Important Actions

OMR

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