

# SYLLABAX

OLYMPIAD PRACTICE SERIES

## Class 3 – Olympiad Practice Paper

Total Questions: 50 | Mathematics · Science · Logical Reasoning · English · General Knowledge

✓ All answers verified | ✓ Olympiad level | ✓ Free to download

**Instructions:** Each question carries 1 mark. Only one option (A/B/C/D) is correct. No negative marking. Answer key is provided at the end of this paper. | **Time suggested:** 45 minutes.

### MATHEMATICS

- A train travels 245 km on Day 1, 178 km on Day 2, and 35 km LESS than Day 1 on Day 3. What is the total distance?  
A) 593 km  
B) 623 km  
C) 633 km  
D) 643 km
- Raju has ₹500. He spends  $\frac{1}{5}$  on books and  $\frac{2}{5}$  on food. How much money is left?  
A) 100  
B) 150  
C) 200  
D) 250
- The product of two numbers is 144 and their sum is 24. What are the two numbers?  
A) 8 and 16  
B) 10 and 14  
C) 12 and 12  
D) 6 and 18
- A rectangle has an area of 72 sq cm. If its length is 9 cm, what is its breadth?  
A) 6 cm  
B) 7 cm  
C) 8 cm  
D) 9 cm
- Which of the following numbers is divisible by BOTH 3 and 4?  
A) 14  
B) 24  
C) 34  
D) 44
- Find the missing term in this sequence: 1, 1, 2, 3, 5, 8, \_\_\_\_  
A) 11  
B) 12  
C) 13  
D) 14
- What decimal number does MCDXLIV represent in Roman numerals? (M=1000, CD=400, XL=40, IV=4)  
A) 1424  
B) 1434  
C) 1444  
D) 1454

8. A cistern holds 560 litres.  $\frac{3}{8}$  of the water is used. How many litres REMAIN?

- A) 280  
B) 350  
C) 420  
D) 490

9. The average of 5 numbers is 18. Four of them are 12, 15, 20, and 24. What is the fifth number?

- A) 17  
B) 18  
C) 19  
D) 20

10. A shopkeeper buys an item for ₹240 and sells it for ₹300. What is his profit percentage?

- A) 20%  
B) 25%  
C) 30%  
D) 35%

11. What is the HCF (Highest Common Factor) of 36 and 48?

- A) 6  
B) 8  
C) 12  
D) 18

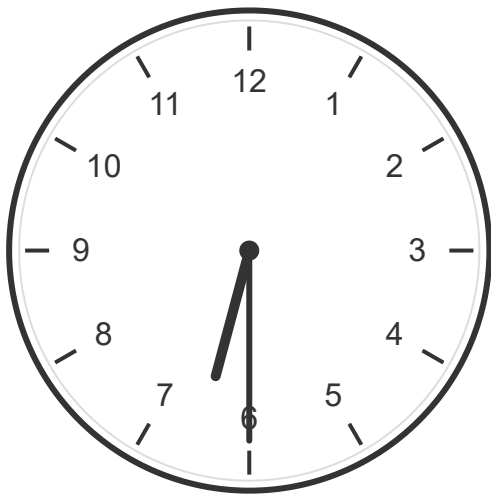
12. A wheel covers 132 cm in one rotation. How far does it travel in 25 rotations?

- A) 2800 cm  
B) 3000 cm  
C) 3300 cm  
D) 3600 cm

13. How many PRIME numbers are there between 20 and 40?

- A) 3  
B) 4  
C) 5  
D) 6

14. What time does the clock show?



- A) 5:30  
B) 6:00  
C) 6:30  
D) 7:30

15. A box is 5 cm long, 4 cm wide, and 3 cm high. What is its volume? (Volume =  $l \times b \times h$ )

- A) 48 cm<sup>3</sup>  
B) 54 cm<sup>3</sup>  
C) 60 cm<sup>3</sup>  
D) 72 cm<sup>3</sup>

16. In a food chain: Grass → Grasshopper → Frog → Snake → Eagle. Which is the PRIMARY CONSUMER?

- A) Grass
- B) Grasshopper
- C) Frog
- D) Eagle

17. During photosynthesis, which gas is released as a by-product into the air?

- A) Nitrogen
- B) Carbon dioxide
- C) Oxygen
- D) Hydrogen

18. What is the SI unit of FORCE?

- A) Joule
- B) Watt
- C) Newton
- D) Pascal

19. The layer of gases surrounding the Earth is called:

- A) Hydrosphere
- B) Lithosphere
- C) Atmosphere
- D) Biosphere

20. Which type of lens is used in a MAGNIFYING GLASS?

- A) Concave
- B) Convex
- C) Plane
- D) Flat

21. Rusting of iron is an example of a:

- A) Physical change
- B) Chemical change
- C) Both physical and chemical
- D) Neither

22. Which planet is called the 'Blue Planet'?

- A) Mars
- B) Venus
- C) Earth
- D) Neptune

23. The human heart has how many chambers?

- A) 2
- B) 3
- C) 4
- D) 5

24. Which disease is caused by a deficiency of Vitamin C?

- A) Rickets
- B) Scurvy
- C) Night blindness
- D) Anaemia

25. Light travels at approximately \_\_\_ km per second:

- A) 30,000
- B) 3,00,000
- C) 30,00,000
- D) 3,000

26. Which of the following is NOT a greenhouse gas?

- A) Carbon dioxide (CO<sub>2</sub>)
- B) Methane
- C) Nitrogen
- D) Water vapour

27. The process of converting sugars to alcohol using yeast is called:

- A) Fermentation
- B) Distillation
- C) Photosynthesis
- D) Respiration

28. Which blood group is called the 'Universal Donor'?

- A) A
- B) AB
- C) O
- D) B

29. Newton's Second Law: Force = mass  $\times$  acceleration. If mass = 10 kg and acceleration = 5 m/s<sup>2</sup>, the force is:

- A) 15 N
- B) 25 N
- C) 50 N
- D) 100 N

30. The Moon is a natural satellite of the Earth because it:

- A) Gives light at night
- B) Orbits around the Earth
- C) Is made of rock
- D) Reflects light from the Sun

### LOGICAL REASONING

31. What is the next term? 2, 5, 10, 17, 26, \_\_\_ (Hint: look at the differences)

- A) 35
- B) 37
- C) 39
- D) 41

32. Find the odd one out: 25, 36, 49, 64, 55

- A) 36
- B) 49
- C) 55
- D) 64

33. If the sum of letter values A=1, B=2, ... gives SUN = 54, what does MOON give?

- A) 55
- B) 57
- C) 59
- D) 61

34. What shape comes next in the pattern shown?



- A) Triangle
- B) Circle
- C) Square
- D) Star

35. A clock shows 10:10. What angle does the minute hand make with the 12 o'clock position?

- A) 30°
- B) 45°
- C) 60°
- D) 90°

36. In a group of 40 students, 25 like Maths and 20 like Science. If 10 like BOTH, how many like NEITHER?

- A) 3
- B) 4
- C) 5
- D) 6

37. Ram is 3 years older than Shyam. Shyam is 2 years younger than Rita. If Rita is 15, how old is Ram?

- A) 14
- B) 15
- C) 16
- D) 17

38. Complete the analogy: Doctor : Hospital :: Teacher : ?

- A) Book
- B) School
- C) Pencil
- D) Student

39. Three horses eat 3 bags of hay in 3 days. How many bags will 9 horses eat in 9 days?

- A) 9
- B) 18
- C) 27
- D) 81

40. In a class, students play at least one sport. 24 play cricket and 16 play football. If 8 play BOTH, how many students are there in the class?

- A) 28
- B) 30
- C) 32
- D) 40

## ENGLISH

41. Identify the ADJECTIVE in: 'The fierce lion roared loudly.'

- A) fierce
- B) lion
- C) roared
- D) loudly

42. Choose the CORRECT spelling:

- A) Recieve
- B) Receive
- C) Receve
- D) Recieive

43. Which word is a CONJUNCTION?

- A) Quickly
- B) Although
- C) Beautiful
- D) Jumping

44. Which of the following is an ADVERB?

- A) Happy
- B) Quickly
- C) Table
- D) Jump

45. Which sentence uses the SUPERLATIVE correctly?

- A) She is more taller than me.
- B) She is the most tallest.
- C) She is the tallest.
- D) She is taller than anyone else is.

## GENERAL KNOWLEDGE

46. Who was the first person to walk on the Moon?

- A) Yuri Gagarin
- B) Buzz Aldrin
- C) Neil Armstrong
- D) John Glenn

47. What is the chemical symbol for GOLD?

- A) Go
- B) Gd
- C) Au
- D) Ag

48. The Great Wall of China was built primarily to protect against:

- A) Floods
- B) Earthquakes
- C) Enemy invasions
- D) Wild animals

49. Which is the HIGHEST mountain in the world?

- A) K2
- B) Kangchenjunga
- C) Makalu
- D) Mount Everest

**50.** What is the study of EARTHQUAKES called?

**A)** Ecology

**C)** Meteorology

**B)** Seismology

**D)** Volcanology

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## Answer Key – Class 3 Olympiad Practice Paper

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1. C	2. C	3. C	4. C	5. B	6. C	7. C	8. B	9. C	10. B
11. C	12. C	13. B	14. C	15. C	16. B	17. C	18. C	19. C	20. B
21. B	22. C	23. C	24. B	25. B	26. C	27. A	28. C	29. C	30. B
31. B	32. C	33. B	34. A	35. C	36. C	37. C	38. B	39. C	40. C
41. A	42. B	43. B	44. B	45. C	46. C	47. C	48. C	49. D	50. B

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