

Time : 45 Mins
Class-VII
Maximum Marks : 50
General Instructions:

- All questions are mandatory.** Read the questions carefully before selecting an answer.
- The question paper contains **25 MCQ**, each carrying **2 marks**.
- No negative marking for unattempt questions; one mark will be deducted for each incorrect /overwriting or multiple answers. Illegible answers may not be evaluated.
- Answers must be marked by writing the correct option (A/B/C/D) in the **Answer Sheet**.
- Use of calculators, smart watches, or any electronic devices is strictly prohibited.**
- Rough work must be done **only in the A4 sheet provided by the invigilator**.
- Ensure that your **Name, Roll Number, School Code, and other required details** are correctly filled in the Answer Sheet before submission.
- The **final Answer Sheet along with the question paper must be submitted to the invigilator** before leaving the examination hall.
- Any form of **unfair practice will lead to immediate disqualification**.

Q.1. The next two numbers in the given sequence are:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, _____, _____

- (a) 55, 89 (b) 45, 63 (c) 41, 52 (d) 45, 76

Q.2. If $P = 1000$, $Q = 0.01$, which of the following expression will have the largest result?

- (a) $P + Q$ (b) $P \times Q$ (c) $\frac{P}{Q}$ (d) $P - Q$

Q.3. A student has to score 40% marks to pass. He scored 40 marks and failed by 40 marks. The maximum marks of the exam is:

- (a) 160 (b) 180 (c) 200 (d) 320

Q.4. The headquarter of Indian Statistical Institute is at:

- (a) Delhi (b) Kolkata (c) Jaipur (d) Chennai

Q.5. A park is in the shape of a circle. A man crossed the park across its diameter AB. What is the ratio of distance saved by not walking along the circumference of the park to the distance he travelled.

- (a) $\pi : 1$ (b) $(\pi - 1) : 1$
 (c) $(\pi - 2) : 1$ (d) $1 : \pi$

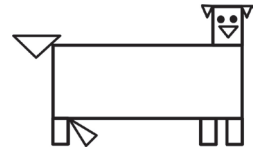
Q.6. Piya distributed some books among a group of children. If she gave 20 books to each child, she would have 60 books left. If she given 27 books to each, she would have 4 books left. How many children are there in the group?

- (a) 7 (b) 14 (c) 8 (d) 16

Q.7. The sum of interior angles of a regular polygon is 1980° . How many sides does the polygon have?

- (a) 10 (b) 11 (c) 12 (d) 13

Q.8. John has several square pieces, each piece has an area 5 sq. units. He cut them into squares, triangles, rectangles in the manner shown in the diagram. He made a dog using these pieces as shown below. Find the area of the dog.



- (a) 5 Sq. units (b) 25 Sq. units (c) 40 Sq. units (d) 15 Sq. units

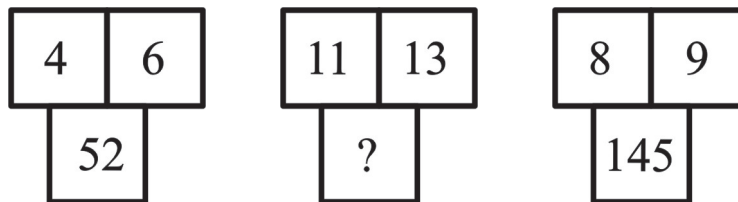
Q.9. There is exactly one handshake exchanged between every two person. How many handshakes are exchanged among 8 persons?

- (a) 16 (b) 28 (c) 36 (d) 56

Q.10. The area of a rectangle with integral sides is 18 cm^2 . How many such rectangles are possible?

- (a) 3 (b) 4 (c) 6 (d) 7

Q.11. Replace the ? by selecting the correct option:



- (a) 143 (b) 289 (c) 290 (d) 156

Q.12. Given that each of the following statements are true:

- (A) Some pots are bucket
(B) All buckets are tubs
(C) All tubs are drums

Then which of the following statements is true?

- (I) Some drums are pots
(II) All tubs are buckets
(III) Some drums are buckets
(a) Only I and II (b) Only I and III (c) Only II and III (d) I, II and III

Q.13. If $4 \times 4 = 6$, $8 \times 8 = 54$, $9 \times 9 = 71$, then the value of 2×3 is:

- (a) -4 (b) 4
(c) 6 (d) None of these

Q.14. In a certain code 'COMPUTER' is written as 'PMOCRETU' then how is LANGUAGE written in that Code?

- (a) GNAALEGU (b) GNALEGAU
(c) GNALAUEG (d) GNLAEGAU

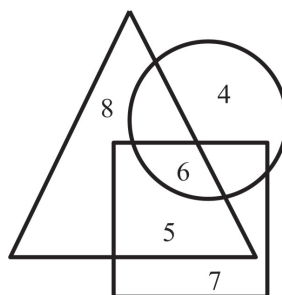
Q.15. Find the missing number from the given alternatives:

5	6	7
3	2	1
4	5	?
32	40	48

- (a) 6 (b) 8 (c) 9 (d) 12

Q.16. In the given figure, the circle represents 'Doctors' the triangle represents 'Surgeons' and the square represents 'Males'. Which number represents Male Surgeons who are not Doctors?

- (a) 5
(b) 6
(c) 4
(d) 7



Q.17. If the gain percent is 15% on sale of two watches and selling price of a watch is ₹ 450. What will be the cost price of one watch?

- (a) ₹ 390.25 (b) ₹ 391.30 (c) ₹ 430 (d) ₹ 418.60

Q.18. The sum of first 45 natural numbers is:

- (a) 1035 (b) 1280 (c) 2075 (d) 2140

Q.19. If 'a' is a negative integer and 'b' is a positive integer, which of the following is always true?

- (I) $a + b > 0$ (II) $a - b < a$
(III) $a \times b > 0$ (IV) $|a| - |b|$ is always positive
(a) II and IV only (b) III and IV only (c) III only (d) II only

Q.20. If $a = x^{1/3} + x^{-1/3}$, then the value of $a^3 - 3a$ is:

- (a) 0 (b) $x^{-1/3} + x^{1/3}$ (c) $x + x^{-1}$ (d) 1

Q.21. There are three places A, B, C in a straight line. If the distance between place A and B is 2.7×10^6 m and the distance between B and C is 5.2×10^5 m, then the distance between places A and C in Standard Form is:

- (a) 322×10^6 km (b) 3.22×10^4 m
(c) 3.22×10^6 m (d) 3.22×10^6 km

Q.22. 10% of 50% of 800 is:

- (a) 40 (b) 36 (c) 32 (d) 48

Q.23. Which of the following statements are true?

- (I) All the triangles equal in area are congruent.
(II) Area of any triangle is half of product of its base and corresponding height.
(III) Two figures can have same area but different perimeters
(IV) Triangles on same base have equal area

Choose the correct option:

- (a) II and IV only (b) I, II and III only
(c) II, III and IV only (d) II and III only

Q.24. Shifting one term from one side of an equation to another side with a change of sign is known as:

- (a) Commutatively (b) Transposition
(c) Distributively (d) Associativity

Q.25. PQR is a straight line such that $PQ : QR = 3 : 7$ then the ratio of $QR : QR - PQ$ is:

- (a) 3 : 4 (b) 7 : 4 (c) 2 : 10 (d) 7 : 10