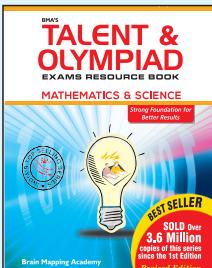


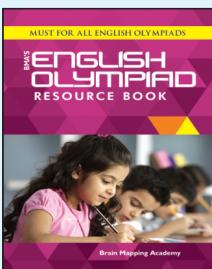
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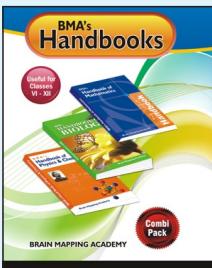
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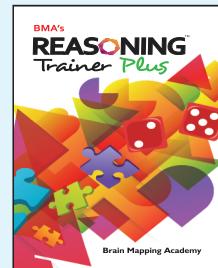
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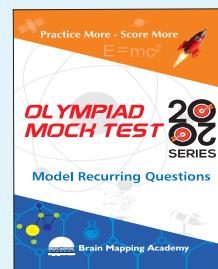
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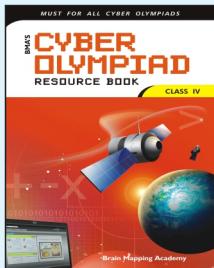
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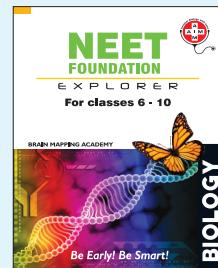
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Class 5

Please fill the following details immediately

Name _____

Hall Ticket No._____

Questions : 50

Time : 60 minutes

INSTRUCTIONS

Read all instructions carefully before attempting any question.

- Ensure that the 'Class' printed here and inside, is the same as the test you are appearing for.
- You must complete the paper within the time allotted.
- Do not open this question paper until you are permitted to.
- You are not allowed to use a calculator.
- Figures herein are not to scale. Hence, you cannot depend on the estimate of size or measurement. Use your knowledge of the subject.
- Rough work shall be carried out only in the space provided for the same throughout this booklet. No separate sheets are allowed for the same.
- Return your answer sheet to the invigilator soon after completion and before leaving the examination hall. Take the question paper with you.
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UCM/QP-5/00

Class – 5

Mathematics

Questions from 1 to 35 are single answer questions, darken the correct option as your answer in the OMR sheet provided. Each carries 1 mark.

- 01** Divide the product of 22 and 45 by 3. Then add 6 hundreds to the result.

(A) 330 (B) 390 (C) 930 (D) 990

- 02** John needed to pack 1425 cans into cartons. He could pack 250 cans into each carton. How many cans were left unpacked ?

(A) 160 (B) 165 (C) 170 (D) 175

- 03** The total cost of a bag and a T-shirt is ₹ 200, Dinesh buys 4 bags and 2 T-shirts for ₹ 650. How much does a T-shirt and 2 bags cost ?

(A) ₹ 355	(B) ₹ 350
(C) ₹ 305	(D) ₹ 352

- 04** Identify the number whose prime factorisation has three 2's, four 3's and a 5.

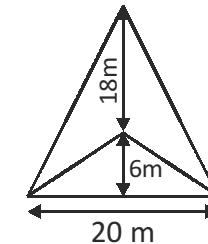
(A) 3240	(B) 2430
(C) 3420	(D) 2304

Space for Rough work

- 05** The product of L.C.M. and H.C.F. of two numbers is 285. If one number is 15, then find the other number.

(A) 15 (B) 16 (C) 18 (D) 19

- 06** Find the area of the shaded part of the triangle.



(A) 60 m ²	(B) 180 m ²
(C) 240 m ²	(D) 360 m ²

- 07** 28 boys and 22 girls attended a camp last week. What was the ratio of the number of girls to the total number of children at the camp ?

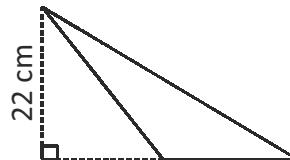
(A) 11 : 25	(B) 12 : 15
(C) 10 : 25	(D) 22 : 28

Space for Rough work

08 On a farm, the number of chickens to the number of cows was in the ratio $5 : 3$. The ratio became $3 : 2$ after 300 chickens were sold. How many more chickens than cows were there at first?

- (A) 1200 (B) 1300 (C) 1400 (D) 1500

09 The height of the triangle shown below is 10% longer than its base. Find its area.



- (A) 24.2 cm^2 (B) 217.8 cm^2
(C) 220 cm^2 (D) 280 cm^2

10 The volume of water in a jug after rounding it off to two decimal places is 0.84 l . John pours 240 ml of the water into a cup. Find the largest possible volume of water that is left in the jug.

- (A) 0.594 l (B) 0.595 l
(C) 0.604 l (D) 0.605 l

Space for Rough work

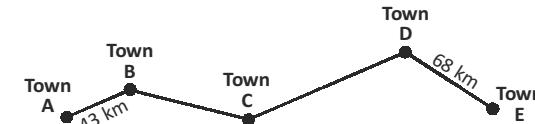
11 In a Mathematics test, Sunil scored 0.6 of what Manish scored and Manish max scored 0.7 of what Dinesh scored. If Manish scored 70 marks, how many more marks did Dinesh score than Sunil

- (A) 58 (B) 48 (C) 68 (D) 78

12 Which of the following numbers when rounded off to the nearest thousand is 888000?

- (A) 887494 (B) 888494
(C) 888501 (D) 888513

13 If the average distance between every consecutive 2 towns is 56 km, what is the total distance from Town B to Town D?



- (A) 111 km (B) 112 km
(C) 113 km (D) 114 km

Space for Rough work

14 There are 400 spectators in a badminton hall. 18% of them are children. How many children are there in the badminton hall ?

- (A) 18 (B) 36 (C) 72 (D) 80

15 240 girls and 560 boys took part in a national art competition. What percentage of the participants were girls ?

- (A) 35% (B) 30% (C) 32% (D) 28%

16 Tarun and Karan had the same amount of savings. After Tarun spent ₹ 1600 and Karan spent ₹ 750, Karan had thrice as much money left as Tarun. How much savings did Tarun have at first ?

- (A) 2052 (B) 2502 (C) 2025 (D) 2520

17 1.2 l of water leaked out from a tank with a base area of 800 cm². Find the decrease in the water level in the tank.

- (A) 0.5 cm (B) 1.0 cm (C) 1.2 cm (D) 1.5 cm

Space for Rough work

18 What is the number represented by  ?

	$+$		$+$		$=$	28
	$+$		$+$		$=$	30
	$+$		$+$		$=$	30

- (A) 9 (B) 10 (C) 11 (D) 18

19 A piece of string is cut into two pieces. The ratio of the longer piece to the shorter piece is 9 : 5. The difference in length of the two strings is 36 cm. Find the length of the original string.

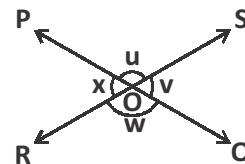
- (A) 126 cm (B) 186 cm
(C) 324 cm (D) 504 cm

20 Instead of multiplying a certain number A by 50, David multiplied it by 15. The answer was 1575 less than the correct answer. Find the correct value of $A \times 5 + 5$.

- (A) 45 (B) 50 (C) 225 (D) 230

Space for Rough work

21 PQ and RS are two straight lines meeting at O.



Which of the following statements is false ?

- (A) $\angle u = \angle w$
- (B) $\angle x = \angle v$
- (C) $\angle x = \angle v = 180^\circ$
- (D) $\angle x + \angle u = 180^\circ$

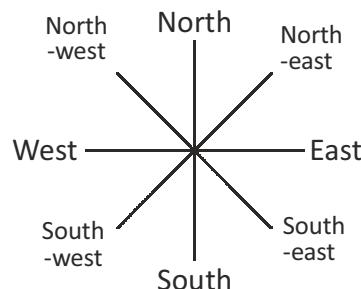
22 A bag of beans is divided into two packets in the ratio 2 : 7. If the smaller packet is 300 g, what is the mass of the bigger packet ?

- (A) 150 g
- (B) 600 g
- (C) 750 g
- (D) 1050 g

23 When the diameter of a circle is decreased by its $\frac{1}{4}$, by how much will its radius decrease ?

- (A) $\frac{1}{2}$
- (B) $\frac{1}{8}$
- (C) 2
- (D) $\frac{1}{4}$

24 Harish was facing North-east. He then turned 135° clockwise. In which direction did he face in the end ?



- (A) East
- (B) West
- (C) North
- (D) South

25 Rana bought a pen for ₹ 5 and sold it to Raman for ₹ 10. What is his gain percentage ?

- (A) 25%
- (B) 50%
- (C) 100%
- (D) 200%

26 Four students Kartik, Hari, Akhil and Pavan wrote Roman numerals on their slates as given below.



Who wrote the least number ?

- (A) Kartik
- (B) Hari
- (C) Akhil
- (D) Pavan

27 Identify the smallest possible decimal fraction upto three decimal places.

- (A) 0.101
- (B) 0.111
- (C) 0.001
- (D) 0.011

28 What is the average mass of 4 parcels with masses of 1 kg 400 g, 2kg, 800 g and 1 kg 200 g ?

- (A) 5 kg 400 g
- (B) 2 kg 700 g
- (C) 1 kg 350 g
- (D) 1 kg 800 g

Space for Rough work

29 What is the missing number in the box ?

Name	Height
Smitha	78 cm
Sunitha	90 cm
Preethi	?
Average height = 84 cm	

- (A) 78 cm (B) 84 cm
 (C) 90 cm (D) 168 cm

30 N is the biggest common factor of 72 and 120. Which number is twice N ?

- (A) 72 (B) 48 (C) 36 (D) 24

31 Add the biggest 4-digit odd number to 927435. What is the value of the digit 7 in the result ?

- (A) 7×100 (B) 7×1000
 (C) 1000 (D) 70000

32 Which of these is true ?

- (A) A simple closed figure bounded by five line segments is called a square.
 (B) A simple closed figure bounded by three line segments is called a triangle.
 (C) An angle is formed by three rays with a common end point.
 (D) A square has only one pair of parallel line segments.

33 Add 5555555555555555 to itself. How many 0's will appear in the sum ?

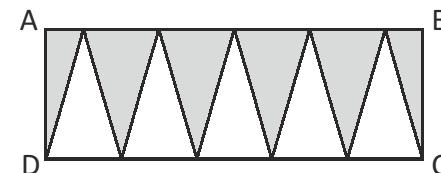
- (A) 1 (B) 5 (C) 15 (D) 7

34 Identify the best description of the given figure.



- (A) Angle JK (B) Line segment JK
 (C) Ray JK (D) Line JK

35 The perimeter of a rectangle ABCD is 280 cm. The base of two triangles equals the length of AD. What is the area of the shaded parts of rectangle ABCD ?



- (A) 200 cm^2 (B) 2200 cm^2
 (C) 2002 cm^2 (D) 2000 cm^2

Space for Rough work

Class – 5

Reasoning

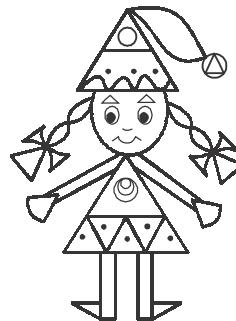
Questions from 36 to 45 are single answer questions, darken the correct option as your answer in the OMR sheet provided. Each carries 1 mark.

- 36** If the letters of each of the following words are reversed, how many meaningful words are formed ?

RATS, DIET, MADAM, MALAYALAM, REST

- (A) 1 (B) 2 (C) 3 (D) 4

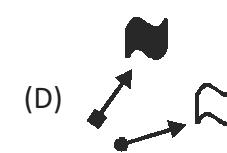
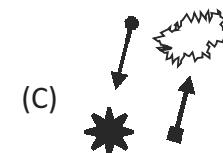
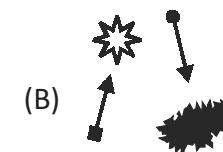
- 37** How many triangles are there in the given figure ?



- (A) 15 (B) 14 (C) 12 (D) 16

Space for Rough work

- 38** Find the odd one out.

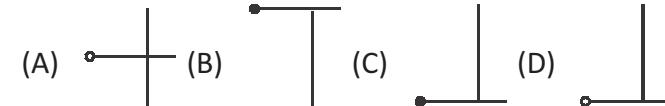


- 39** Choose missing terms from options.

Y, W, U, S, Q, ?, ?

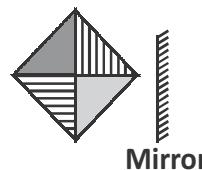
- (A) N, J (B) M, L (C) L, M (D) O, M

- 40** What comes next in the following series ?



Space for Rough work

41 What is the mirror image of the given figure ?



- (A)
- (B)
- (C)
- (D)

42 If in a certain code, HAT is 782, RABBIT is 681192. What would HABIT be ?

- (A) 78139 (B) 78192 (C) 68192 (D) 78129

43 Which of the following replaces the question mark ?

17			
41	13	19	?
24			

- (A) 9 (B) 6 (C) 8 (D) 7

Space for Rough work

44 Identify the figure obtained by folding the shaded part of the given figure.



- (A)
- (B)
- (C)
- (D)

45 In which figure is the shape hidden ?

- (A)
- (B)
- (C)
- (D)

Space for Rough work

Class – 5

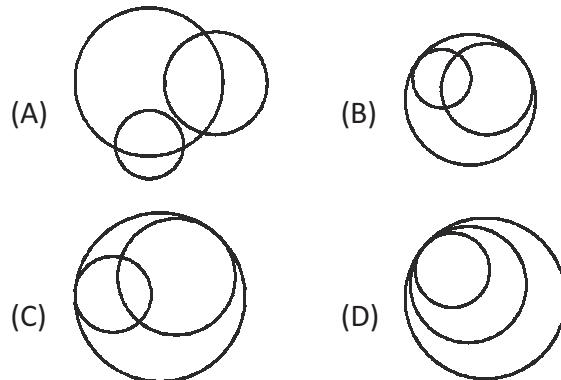
Critical Thinking

Questions from 46 to 50 are single answer questions, darken the correct option as your answer in the OMR sheet provided. Each carries 1 mark.

46 Tarun has 5 keys and 5 locks, but 1 key can only open 1 lock. What is the maximum number of trials that Tarun has to make to match all the keys and the locks.

- (A) 10 (B) 15 (C) 5 (D) 20

47 Which picture has symmetry ?



48 There are 20 questions in a mathematics quiz. For each correct answer 5 marks will be given, 2 marks will be deducted for a wrong answer. How many questions does Andy answer wrongly if he scores 72 marks for that mathematics quiz ?

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

Space for Rough work

49 There are 40 blocks with numbers from 1 to 40 laid out in order. How many times does the digit 3 appear ?



- (A) 10 (B) 11 (C) 14 (D) 13

50 How many numbers are there in the English language that are spelt with the same number of letters as the number itself ?

- (A) 3 (B) 0
(C) 2 (D) 1

Space for Rough work

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

KEY