



## MODEL PAPER

Student Name : \_\_\_\_\_

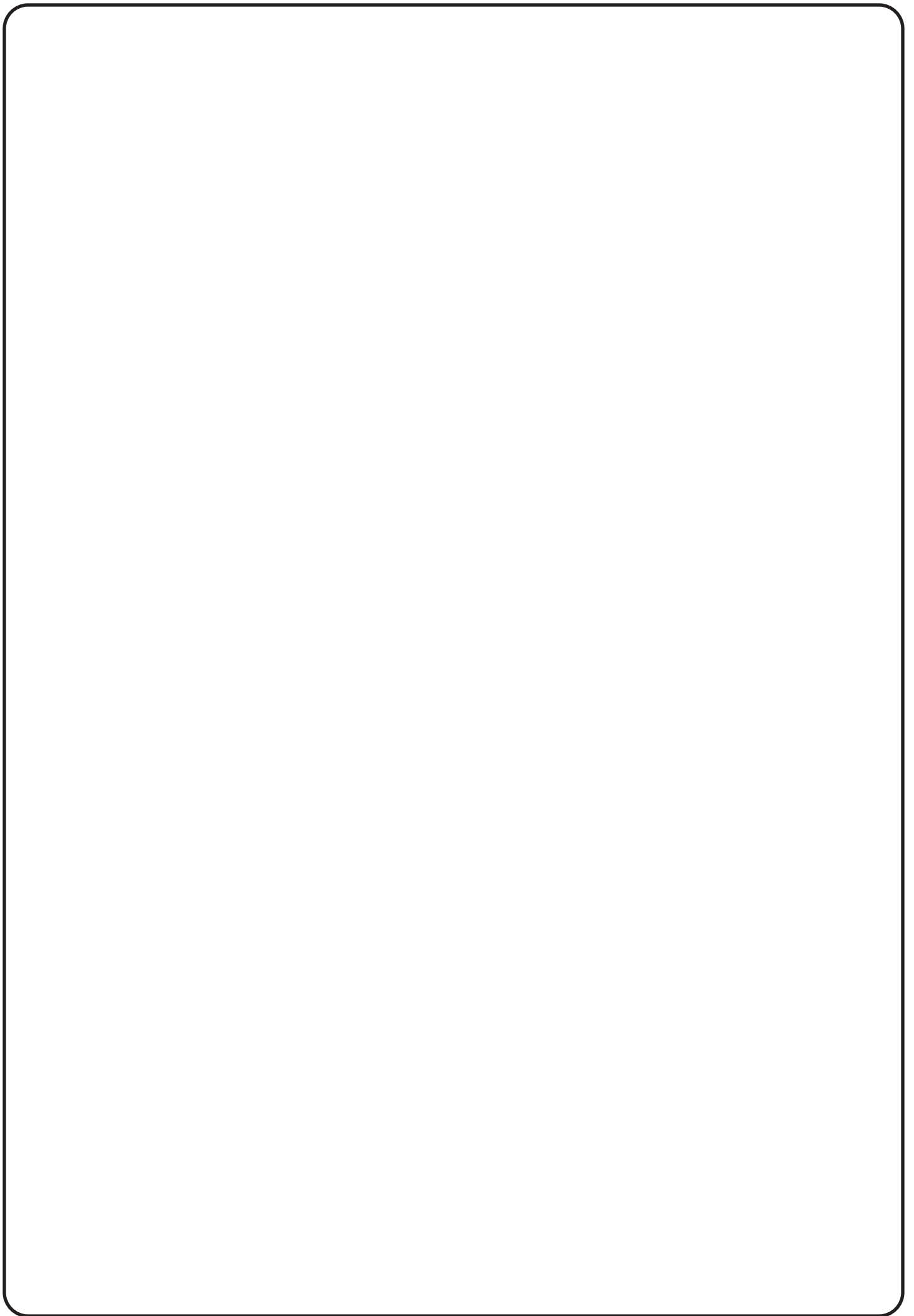
School Name : \_\_\_\_\_

Seat No. \_\_\_\_\_ Grade **7** Section \_\_\_\_\_

### Important Instructions

- 1) Check your name and grade on OMR answersheet. Student signature is must on answersheet.
- 2) There are three sections A, B & C. Section A has 10 questions of 1 mark each. Section B has 30 questions of 2 marks each. Section C has 10 questions of 3 marks each
- 3) Time allowed is 1 hour. After that extra 5 minutes will be given to darken the circles with Blue / Black ball point pen.
- 4) **Write answers on OMR Answer sheet by filling the correct circles. Do not write answers on question paper.**
- 5) Use pencil or blue / black ball point pen to fill the circles.
- 6) Students resorting to unfair means like copying / cheating in any form during the examination will be disqualified.
- 7) Use of calculator is prohibited.
- 8) Students must carry the admit card & their school identity card with them.

**Total Marks:** / 100





## Section - A (1 mark each)

- 1) Find the sum of place values of 5 & 7 in the number 5007  
a) 12                      b) 3500                      c) 35000                      d) 5007
- 2) Find the HCF of 20, 40 & 65  
a) 4                      b) 10                      c) 20                      d) 5
- 3) Find average of 60, 48, 72 and 36  
a) 54                      b) 56                      c) 55                      d) 52
- 4) Write expanded form of 64 using power of 10  
a)  $60 + 4$                       b)  $8^2$                       c)  $10^2 - 6^2$                       d)  $6 \times 10^1 + 4 \times 10^0$
- 5) Write the fraction  $\frac{2020}{3030}$  in reduced form  
a)  $\frac{202}{303}$                       b)  $\frac{303}{202}$                       c)  $\frac{2}{3}$                       d)  $\frac{16}{19}$
- 6) Square root of 1600 can be written as  
a)  $16 \times 10^2$                       b)  $4^2 \times 10^2$                       c)  $1600^{\frac{1}{2}}$                       d) 44
- 7) Find the next term in the following number pattern. 18, 20, 24, 32, \_\_\_\_  
a) 36                      b) 48                      c) 40                      d) 44
- 8) Half of 870 - one third of 870 = ?  
a) 125                      b) 115                      c) 145                      d) 175
- 9) What is 0.1 equal to?  
a)  $10^{-3}$                       b)  $10^{-2}$                       c)  $10^{-1}$                       d)  $10^{-4}$
- 10) Which of the following number is not divisible by 9?  
a) 8927                      b) 9999                      c) 2700                      d) 5400

## Section - B

(2 marks each)

- 11) Find SP if cost price of an article is  $3y$  and sold at 100% profit  
 a)  $6y$                       b)  $3y$                       c)  $9y$                       d)  $4.5y$
- 12)  $10 \times 45^\circ$    $10 \times 50^\circ$  Compare & put appropriate sign (< , = , >)  
 a) >                      b) =                      c) <                      d) None of these
- 13)  $0.5 \div 0.05 = ?$   
 a) 10                      b) 1                      c) 0.1                      d) 100
- 14) A shopkeeper sells an article for 92 and made 15% profit. Find the Cost Price.  
 a) 87                      b) 80                      c) 84.5                      d) 77
- 15) In a garden there are 15 lily plants and 35 rose plants. Find the ratio of lily plants to rose plants in its simplest form.  
 a) 35:15                      b) 15:35                      c) 3:7                      d) 7:3
- 16) Find the cost of 8 articles if the cost of 12 articles is 576  
 a) 374                      b) 192                      c) 48                      d) 384
- 17) 15<sup>th</sup> odd number after 178  
 a) 222                      b) 207                      c) 220                      d) 218
- 18) Write 0.4 as a fraction in its simplest form  
 a)  $\frac{4}{10}$                       b)  $\frac{2}{5}$                       c)  $\frac{0.4}{10}$                       d) 40%
- 19) What percent is 52 of 104?  
 a) 100%                      b) 50%                      c) 55%                      d) 200%
- 20)  $\frac{3}{11} + \frac{4}{33} = ?$   
 a)  $\frac{37}{33}$                       b)  $\frac{33}{37}$                       c)  $\frac{13}{33}$                       d)  $\frac{143}{33}$

- 21)  $100 \times 10^3$    $10 \times 10^4$  Compare & put appropriate sign (< , = , >)  
 a) >                                      b) =                                      c) <                                      d) None of these
- 22)  $x(x - y - 5) = ?$   
 a)  $x^2 - xy - 5x$       b)  $2x - y - 5$                       c)  $x^2 - xy - 5$                       d)  $x^2 + xy - 5$
- 23) Convert 0.3 into percent  
 a) 3%                                      b) 30%                                      c) 0.30%                                      d) 0.003%
- 24) Find equivalent fraction of  $\frac{6}{10}$  with a numerator 15  
 a)  $\frac{15}{10}$                                       b)  $\frac{10}{15}$                                       c)  $\frac{15}{25}$                                       d)  $\frac{10}{25}$
- 25) Find the unit price if 2 dozen articles cost 576  
 a) 32                                      b) 28                                      c) 34                                      d) 24
- 26)  $0.07 \times 0.007 = ?$   
 a) 0.00049                                      b) 0.0049                                      c) 0.49                                      d) 0.049
- 27) There are 15 boys and 18 girls in the class. Find ratio of girls to total number of students  
 a) 18 : 15                                      b) 6 : 11                                      c) 6 : 5                                      d) 15 : 33
- 28) What is the speed of a car that travels a distance of 150 km in 150 minutes?  
 a) 50 km/hr                                      b) 60 km/hr                                      c) 65 km/hr                                      d) 100 km/hr
- 29) Which is the smallest prime number between 1 and 10?  
 a) 1                                      b) 5                                      c) 3                                      d) 2
- 30) Write numeral for one less than a million  
 a) 99999                                      b) 999999                                      c) 9999999                                      d) 9999

- 31) Find area of a square whose perimeter is 4.4 m  
 a)  $1.21 \text{ m}^2$       b)  $1.1 \text{ m}^2$       c)  $1.11 \text{ m}^2$       d)  $1.31 \text{ m}^2$
- 32) Cost Price = 5, Selling Price = 5.5 Find profit %  
 a) 8%      b) 10%      c) 10.5%      d) 12%
- 33)  $0.1x^2 \div 10x^2 = ?$   
 a) 0.1      b) 0.01      c) 1      d) 10
- 34) Find the LCM of 20, 25 & 30  
 a) 150      b) 100      c) 200      d) 300
- 35) Find ratio of 250 gm to 5 kg in its simplest form.  
 (Hint: first convert them to same unit of measurement)  
 a) 50:1      b) 1:20      c) 20:1      d) 1:50
- 36) 12 times 12 added to 12 = ?  
 a) 134      b) 146      c) 156      d) 166
- 37)  $1 \text{ m}^2 = \square \text{ cm}^2$   
 a) 100      b) 10.00      c) 1000      d) 10000
- 38)  $1 \frac{1}{2} \square \frac{100}{99}$  Compare and put appropriate sign (<, =, >)  
 a) >      b) =      c) <      d) None of these
- 39) Find value of  $3^3 \times 3 \times 3^0$   
 a) 27      b) 81      c) 0      d) 243
- 40) If  $x = 4$ , evaluate  $x^2 - 4x + 4$   
 a) 4      b) 36      c) 8      d) 32

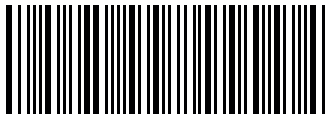
## Section - C

(3 marks each)

- 41) When 16 is divided by a number, it gives quotient 64. Find the divisor.  
a) 4                      b) 0.4                      c) 0.25                      d) None of these
- 42)  $3(x + 2) = 6(x - 3)$ , find value of 'x'  
a) 30                      b) 8                      c) 22                      d) 20
- 43) HCF & LCM of two numbers are 4 & 120 respectively. If one of the numbers is 60, find the other number.  
a) 12                      b) 8                      c) 16                      d) None of these
- 44)  $120 \div 6 \times 4 \div 2 + 24 \div 2 = ?$   
a) 17                      b) 32                      c) 52                      d) 22
- 45)  $\frac{3}{4} \times \square - 1 = 0$ , find the missing number  
a)  $\frac{3}{4}$                       b)  $-\frac{3}{4}$                       c)  $\frac{4}{3}$                       d)  $-\frac{4}{3}$
- 46) A car bought for 200000 was sold at a loss of 20%. What was its selling price?  
a) 160000                      b) 150000                      c) 250000                      d) 180000
- 47) If an article is sold for 2000 at a gain of 25%, find its cost price.  
a) 1600                      b) 2500                      c) 2400                      d) 2200
- 48) A, B & C are partners in a firm and share profits in the ratio of 1:2:3. If the firm earns profit of 72000, what is B's share of profit?  
a) 12000                      b) 24000                      c) 30000                      d) 36000
- 49) If the average of four consecutive even numbers is 39, find the largest number from them  
a) 39                      b) 40                      c) 34                      d) 42
- 50)  $2^3 \times 4^2 \times 8^{-2} \times 10^0 = ?$   
a) -8192                      b) 0                      c) 2                      d) 20



**Do NOT write in this box**  
**Seat Number**



**Paper**

- A
- B
- C
- D
- E
- F
- G
- H
- I

Student Name : .....

School Name : .....

Seat No..... Grade ..... Section ..... Paper .....

STOP HERE

**Student's Signature**

**Invigilator's Sign**

### INSTRUCTIONS FOR FILLING THE SHEET

1. This OMR Answersheet is pre-printed with student details. Verify the details before you start.
2. Use pencil or blue / black ball point pen to fill the circles.
3. Circles should be darkened completely and properly.
4. Do not scribble anywhere on the answersheet or its back side.
5. This sheet should not be folded or crushed.
6. Do not use marker or white fluid to hide the mark.

#### WRONG METHODS



#### CORRECT METHOD



- 1    A B C D
- 2    A B C D
- 3    A B C D
- 4    A B C D
- 5    A B C D
  
- 6    A B C D
- 7    A B C D
- 8    A B C D
- 9    A B C D
- 10    A B C D

- 11    A B C D
- 12    A B C D
- 13    A B C D
- 14    A B C D
- 15    A B C D
  
- 16    A B C D
- 17    A B C D
- 18    A B C D
- 19    A B C D
- 20    A B C D

- 21    A B C D
- 22    A B C D
- 23    A B C D
- 24    A B C D
- 25    A B C D
  
- 26    A B C D
- 27    A B C D
- 28    A B C D
- 29    A B C D
- 30    A B C D

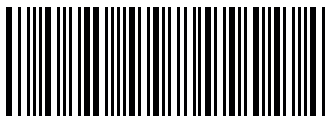
- 31    A B C D
- 32    A B C D
- 33    A B C D
- 34    A B C D
- 35    A B C D
  
- 36    A B C D
- 37    A B C D
- 38    A B C D
- 39    A B C D
- 40    A B C D

- 41    A B C D
- 42    A B C D
- 43    A B C D
- 44    A B C D
- 45    A B C D
  
- 46    A B C D
- 47    A B C D
- 48    A B C D
- 49    A B C D
- 50    A B C D





**Do NOT write in this box**  
**Seat Number**



Paper

- A
- B
- C
- D
- E
- F
- G
- H
- I

## Model Paper Answer Key

Seat No..... Grade **7** Section ..... Paper .....

STOP HERE

Student's Signature

Invigilator's Sign

### INSTRUCTIONS FOR FILLING THE SHEET

1. This OMR Answersheet is pre-printed with student details. Verify the details before you start.
2. Use pencil or blue / black ball point pen to fill the circles.
3. Circles should be darkened completely and properly.
4. Do not scribble anywhere on the answersheet or its back side.
5. This sheet should not be folded or crushed.
6. Do not use marker or white fluid to hide the mark.

WRONG METHODS



CORRECT METHOD



- |    |   |   |   |   |
|----|---|---|---|---|
| 1  | A | B | C | D |
| 2  | A | B | C | D |
| 3  | A | B | C | D |
| 4  | A | B | C | D |
| 5  | A | B | C | D |
| 6  | A | B | C | D |
| 7  | A | B | C | D |
| 8  | A | B | C | D |
| 9  | A | B | C | D |
| 10 | A | B | C | D |

- |    |   |   |   |   |
|----|---|---|---|---|
| 11 | A | B | C | D |
| 12 | A | B | C | D |
| 13 | A | B | C | D |
| 14 | A | B | C | D |
| 15 | A | B | C | D |
| 16 | A | B | C | D |
| 17 | A | B | C | D |
| 18 | A | B | C | D |
| 19 | A | B | C | D |
| 20 | A | B | C | D |

- |    |   |   |   |   |
|----|---|---|---|---|
| 21 | A | B | C | D |
| 22 | A | B | C | D |
| 23 | A | B | C | D |
| 24 | A | B | C | D |
| 25 | A | B | C | D |
| 26 | A | B | C | D |
| 27 | A | B | C | D |
| 28 | A | B | C | D |
| 29 | A | B | C | D |
| 30 | A | B | C | D |

- |    |   |   |   |   |
|----|---|---|---|---|
| 31 | A | B | C | D |
| 32 | A | B | C | D |
| 33 | A | B | C | D |
| 34 | A | B | C | D |
| 35 | A | B | C | D |
| 36 | A | B | C | D |
| 37 | A | B | C | D |
| 38 | A | B | C | D |
| 39 | A | B | C | D |
| 40 | A | B | C | D |

- |    |   |   |   |   |
|----|---|---|---|---|
| 41 | A | B | C | D |
| 42 | A | B | C | D |
| 43 | A | B | C | D |
| 44 | A | B | C | D |
| 45 | A | B | C | D |
| 46 | A | B | C | D |
| 47 | A | B | C | D |
| 48 | A | B | C | D |
| 49 | A | B | C | D |
| 50 | A | B | C | D |