

JB ACADMEY
REVIEW TEST 2023, Class: VI (MATHS)

Name:

Class/Sec.

Roll. No.

Time: 2 hrs

Max. Marks: 50

General Instructions:

1. All questions are compulsory.
2. The question paper divided into 3 sections, MENTAL MATHS (15 marks), CALCULATION BASED (20 Marks) and APPLICATION BASED (15 Marks).
3. Use of calculator and smart watches with calculator is strictly prohibited.

MENTAL MATHS: (15 Marks)

1. Fill in the blanks: (5)

a) The smallest perfect number is

b) $6 \times 6 \div 6 + 6 =$

c) Put the sign $>$, $<$ or $=$

$$\frac{3}{4} \square \frac{4}{5}$$

d) - $\frac{1}{5} = \frac{1}{2}$

e) 4 tens, 3 ones, 2 tenths and 5 hundredths in decimal form is written as

2. Multiple choice questions (tick the correct option) (5)

a) The value of : $36 \div 4 \times 9 + 24$

- (i) 30 (ii) 25 (iii) 105 (iv) None of these

b) Which of the following is divisible by 4

- (i) 102 (ii) 104 (iii) 106 (iv) None of these

c) Five and seven hundredths is equal to

- (i) 5.7 (ii) 5.07 (iii) 5.70 (iv) 0.57

d) Which of the following is a prime number

- (i) 69 (ii) 87 (iii) 91 (iv) 97

e) Which of the following is an equivalent fraction of $\frac{3}{4}$

- (i) $\frac{4}{3}$ (ii) $\frac{5}{4}$ (iii) $\frac{9}{12}$ (iv) $\frac{12}{9}$

3. Write True (T) or False (F)

(5)

- (a) If two numbers are co-primes, at least one on them must be prime.
(b) Two fractions with the same denominator are called like fractions.
(c) All the even numbers are composite numbers.
(d) If a decimal number is multiplied by 10, then the decimal point moves by one place to the left.
(e) If a number is divisible by 12, it must be divisible by 3 and 4

CALCULATIO BASED : (20 marks)

4. Examine the following numbers for divisibility by 11

(1+1)

(i) 70169803

(ii) 573243

5. Find the HCF of :

(2+2)

i. 54, 72 and 90

(ii) 64 and 100

6. Find the LCM of :

(2+2)

i. 12, 16 and 24

(ii) 48, 60

7. Simplify:

(2+2)

(i) $18 - [8 \times 2 + \{8 \div 4\}]$

(ii) $2\frac{1}{4} + 1\frac{2}{3}$

8. Write each of the following as decimals

(0.5+0.5)

i. $200 + 60 + 5 + \frac{1}{10}$

ii. $50 + \frac{3}{10} + \frac{7}{100}$

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9. Express as km using decimals

(0.5+0.5)

(i) 3750 m

(ii) 5km 8m

10. Reduce the following in the simplest form

(1+1)

(a) $\frac{48}{72}$

(b) $\frac{36}{48}$

11. What is the HCF of two consecutive

(1+1)

(a) Even numbers?

(b) Odd numbers?

APPLICATION BASED: (15 marks)

12. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.

(3)

13. 3 tankers contain 190 litres, 247 liters and 399 litres of petrol respectively. Find the maximum capacity of a container that can measure the petrol of the three containers exact number of times?

(3)

14. Rekha read 25 pages of a book containing 100 pages. Lalita read $\frac{2}{5}$ of the same book. Who read less and by what fraction? (3)

15. A piece of wire $\frac{7}{8}$ metre long and broke into two pieces. One piece was $\frac{1}{5}$ metre long. How long is the other piece? (3)

16. Ravi purchased 5kg 400g rice, 2kg 20g sugar and 10kg 8g flour. Find the total weight of his purchases. (3)

