DHANICHA HIGH SCHOOL(H.S.)

(GOVT. SPONSORED BENGALI & ENGLISH MEDIUM SCHOOL)

THIRD SUMMATIVE – 2024

CLASS-V(EM)

[Total Time : 3 Hours 15 minutes] **MATH** [Total Marks : 70]

1.Coose the correct option : (M.C.Q.) [1×10=10]

i) Example of twin primes - a) 2 and 3 b) 5 and 7 c) 3and 4 d) 4 and 9 .

ii) The reciprocal of $4\frac{2}{3}$ is - a) $\frac{14}{3}$ b) $4\frac{3}{2}$ c) $\frac{3}{14}$ d) None of these.

iii) The value of $(\frac{1}{2} \div \frac{1}{2})$ is - a) 1 b) 2 c) 0 d) None of these.

iv) 12 o'clock midnight is written as – a) 12 noon b) 12 a.m. c) 12 p.m. d) 12 midnight.

v) 37°C on a Fahrenheit scale is – a) 98.6°F b) 32°F c)37°F d) 98.4°F

vi) Which of the following is equivalent to **8%** - a) 0.8 b) 0.08 c) .008 d) None of these.

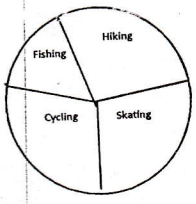
vii) The average of first five prime numbers is- a) 5 b) 6 c) 6.5 d) None of these.

viii) The area of a square whose perimeter is 16 cm is – a) 24 sq cm b) 32 sq cm c) 16 sq cm d) 64 sq cm

ix) **1000 cm^3** = how many litres ? – a) 1000L b) 100L c) 10L d) 1L

x) From the given circle graph find which activity was the least favourite?

a) Cycling b) Hiking c) Skating d) Fishing



2.Fill in the blanks : [1×10=10]

i) A number is divisible by 10 if its units digit is _____ .

ii) $\frac{3}{4}$ of a day = _____ hours.

iii) Freezing point of water is _____°C.

iv) The time 3 hours 15 minutes after 5:45 p.m. is _____.

v) The word 'percent' means _____.

Vi) Average = $\frac{Sum\ of\ numbers}{Sum\ of\ \ldots\ldots\ldots\ldots}$.

vii) Volume of a cuboid = length × breadth ×_____ .

viii) The amount of space covered by a plane closed figure is called its _____ .

ix) The collection of information in the form of numerical figures is called _____ .

x) 50% in fraction = _____.

3. Answer the following questions as directed : [2×9=18]

i) Find the LCM of 16 , 24 .

ii) Multiply $\frac{17}{3}$ by $\frac{28}{51}$.

iii) Find the missing operator $(+, -, \times, \div)$: 72 ____ 3 + 12 × 3 = 60 .

iv) Convert 122 °F into Celsius scale .

v) What percent of 40 is equals to 16 ?

vi) Find the average of all prime numbers from 10 to 30 .

vii) The perimeter of a rectangular field is 42 m and its length is 10 m . Find its breadth .

viii) How many cubes of 1 cm are equivalent in volume to a 5 cm cube ?

ix) Find the area of the rectangle whose length is 1 m 25 cm and width is 70 cm.

4. Answer the following questions as directed : [3×9=27]

i) Find the HCF of 20, 28 and 40 .

ii) Manoj bought 20 metres of cloth , $\frac{1}{10}$ of the cloth was damaged . Rest of the cloth was used to make 3 similar curtains . How much cloth was used to make one such curtain ?

iii) Simplify : $\frac{1}{3}+\frac{4}{5}\div\frac{5}{7}of\,1\frac{17}{25}$.

iv) Priya worked 6 hours 15 minutes every day from Monday to Friday for a month . How many hours and minutes did she work in a week ?

v) In a class , 95 % of the students passed the examination . How many percent of students failed ? If there are 40 students in the class, how many passed ?

vi) Aishi saved Rs 26 on Monday, Rs 12.50 on Tuesday, Rs 24.50 on Wednesday . What was her daily savings for these three days ?

vii) A rectangle is cut into two equal squares . If the perimeter of the square is 76 cm , find the perimeter of the rectangle .

viii) A cubical tank with an edge length of 30 cm is filled with 6.85 litres of water . How much more water is needed to fill the tank completely ?

ix) Rahul is 12 years 8 months old . His sister is three-quarters his age . How old will his sister be after 5 years ?

5 . <u>Represent the given data using bar graph</u> : **[5]**

Kashish does a survey in his class on the fruit liked by his classmates . He gets the data as shown in the table below .

Type of fruit	Apple	Mango	Papaya	Grapes	Orange	Banana	Pineapple
Number of students	25	18	16	20	22	10	20