Annual Examination-V 2024

MATHEMATICS

(Objective)

Time Allowed: 01:00 Hour

Note This paper consists of THREE Sections. Section - A needs to be solved on the Question Paper. Section - B & C to be solved on the Answer Sheet. Cutting, erasing and overwriting is not allowed.

SECTION - A   (40-Marks)

Q-1(a) Encircle the best answer in the following: (20)

(i) The next term in the pattern 8, 80, 800, _____.
- (a) 8,000
- (b) 80,000
- (c) 800
- (d) 80

(ii) 5.3671 up-to two decimal places will be:
- (a) 5.3681
- (b) 5.37
- (c) 5.38
- (d) 5.367

(iii) The HCF of two or more than two numbers, which have no common prime factor, is always _____:
- (b) 1000
- (b) 100
- (c) 10
- (d) 1

(iv) 3.211 + 1.860 = _____.
- (a) 5.701
- (b) 5.071
- (c) 5.007
- (d) 6.071

(v) The percentage is a special kind of fraction whose denominator is always _____:
- (a) 1
- (b) 10
- (c) 100
- (d) 1000

(vi) Complement of 70° is _____:
- (a) 160°
- (b) 40°
- (c) 20°
- (d) 80°

(vii) 2.67 x 100 = _____:
- (a) 267.0
- (b) 26.7
- (c) 0.267
- (d) 0.0267

(viii) The LCM of 8 and 12 is:
- (a) 30
- (b) 42
- (c) 60
- (d) 24

(ix) Converting 15cm into mm is _____:
- (a) 1500mm
- (b) 150mm
- (c) 250mm
- (d) 500mm

(x) In bar graph the _____ of each bar should be the same:
- (a) Length
- (b) width
- (c) colour
- (d) Height

(xi) The formula to find the perimeter of rectangle is _____:
- (a) 2 (L+W)
- (b) 2 L+W
- (c) L+2W
- (d) L+W

(xii) If the price of 1 pencil is Rs.10, what will be the price of 15 pencils?
- (a) 150
- (b) 105
- (c) 1500
- (d) 15

(xiii) There are _____ minutes in 5 hours:
- (a) 60
- (b) 300
- (c) 200
- (d) 50

(xiv) There are _____ weeks in 420 days:
- (a) 70
- (b) 60
- (c) 10
- (d) 12

(xv) The price of 11 carpets is Rs.35,805 the price of one carpet is _____:
- (a) 3,855
- (b) 3,055
- (c) 2,355
- (d) 3,255

(xvi) In 785,621.1 the digit _____ is at the thousands place:
- (a) 2
- (b) 5
- (c) 6
- (d) 8

(xvii) When we _____ a number by 10 we remove a zero from its right:
- (a) Add
- (b) subtract
- (c) multiply
- (d) divide

(xviii) 20% of 540 is _____:
- (a) 37
- (b) 108
- (c) 27
- (d) 270

(xix) Prime factorization of 30 is _____:
- (a) 2x5x3
- (b) 2x2x3
- (c) 3x4x5
- (d) 5x6

(xx) $\frac{4}{5} \times \frac{1}{4}$ = _____:
- (a) $\frac{1}{4}$
- (b) $\frac{1}{5}$
- (c) $\frac{2}{10}$
- (d) $\frac{4}{5}$

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MATHEMATICS

(Subjective)

Time Allowed: 02:00 Hour

SECTION - B (40-Marks)

Q-2. Attempt any eight questions. All questions carry equal marks.　(8x5=40)

(i) The speed of light in vacuum is 299,792 km per second. Write it in words. Also write place value of each digit.　$(2\frac{1}{2}, 2\frac{1}{2})$

(ii) The price of a laptop is Rs.102,900. How much will 215 such laptops cost?　(5)

(iii) Find greatest number that divides 16, 24 and 48.　(5)

(iv) Find the LCM of 6,15 and 21 using the division method.　(5)

(v) Solve: $\frac{3}{25} + \frac{9}{45}$　(5)

(vi) Ali bought $3\frac{1}{2}$ kg chicken, $1\frac{1}{2}$ kg of fish and $2\frac{1}{2}$ kg of mutton. How many kgs of meat he bought altogether?　(5)

(vii) Amir got 83 out of 100 marks in a Mathematics test. What is the percentage of his marks? Also write the answer in decimal form.　(3+2=5)

(viii) Thomas wants to buy a chocolate which costs Rs.98.46/-. He has Rs.52.25/-. How much more money he needs?　(5)

(ix) Convert 485mm into cm and mm.　(5)

Ayesha takes 3 hours 12 minutes to complete the Mathematics homework and 1 hour 50 minutes to complete English home work. In which subject does she spend more time and how much?　$(2\frac{1}{2}, 2\frac{1}{2})$

(x) Convert 120 months into years.　(5)

(xi) A story book costs Rs.440. Find the price of 15 such story books.　(5)

SECTION - C (20-Marks)

Note: Attempt any FOUR questions. Question-3 is compulsory. All questions carry equal marks.

(4x5=20)

Q-3. During a visit to a zoo, the children saw different number of animals, the detail of which is given below. Draw a vertical bar graph to represent this data.

Animals	Lion	Elephant	Monkey	Cheetah	Snake	Giraffe	Zebra
Number of animals	4	2	8	3	12	6	10

4. Ali has 26 candies, Ahmad has 10, Saad has 15, Maaz has 20 and Aqib has 14. Find the average numbers of candies each boy has.

5. Draw a triangle EFG, in which <E = 75°, EF = 4cm, <F = 55°.

6. Draw and define the following (any TWO).　$(2\frac{1}{2}, 2\frac{1}{2})$

(i) Acute angled triangle　(ii) Kite　(iii) Supplementary angles

7. If the length of a square shaped crop field is 29 meters, what will be its perimeter?

8. A rectangular kitchen has a length 85m and width 62m. Find the area of the kitchen.