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**SINDHI HIGH SCHOOL, BENGALURU**

**PERIODIC TEST - II [2023-24]**

**SUBJECT: MATHEMATICS**

**Class: 6 Max Marks: 50**

**Date: 21.12.2023 Reading Time: 8:30 – 8:45 am**

**No. of Sides: 5 Writing Time: 8:45 – 10:45 am**

**GENERAL INSTRUCTIONS:**

* This Question Paper has 5 Sections A-E.
* Section A has 8 MCQs carrying 1 mark each
* Section B has 6 questions carrying 02 marks each.
* Section C has 4 questions carrying 03 marks each.
* Section D has 2question carrying 05 marks.
* Section E has 2 case based integrated units of assessment carrying 4 marks

sub-parts of the values of 2, 1 and 1 marks each.

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|  | | **Section A** | |  | |
|  | | **Section A consists of 8 questions of 1 mark each.** | |  | |
| 1 | | Which direction will you face, if you start facing east and make  1 of a revolution clockwise.  (a) North (b) South (c) East (d) West. | | 1 | |
| 2 | | What part of a revolution is a right angle ?  (a) Half of a revolution (b) One-fourth of a revolution  (c) Between and of a revolution (d) Less than One-fourth of a revolution. | | 1 | |
| 3 | | Name the angle formed between North and South when you turn in clockwise direction .  (a) Right angle (b) Acute angle (c) Straight angle (d) Obtuse angle | | 1 | |
| 4 | | Write 456 gram as kilogram using decimal.  (a) 4.56 (b) 45.6 (c) 456 (d) 0.456 | | 1 | |
| 5 | | Express 5 paise as Rupees using decimal  (a) Rs0.05 (b) Rs 0.5 (c) Rs 0.005 (d) Rs 5.0 | | 1 | |
| 6 | | Write 50+ 7 + as  (a) 507.7 (b) 57.70 (c) 507.07 (d) 5.077 | | 1 | |
| 7 | | If represents 100 people, what is represents?  (a) 350 (b) 400 (c) 250 (d) 200 | | 1 | |
| 8 | | The following number of electric bulbs were purchased for a school boarding house in the first months of a year.  January – 30 ; February -15 ; March -40 ; April -20 ; May – 45  How many bulbs were purchased in the last three months  (a) 65 (b) 60 (c) 150 (d) 105 | | 1 | |
|  | | **Section B** | |  | |
|  | | **Section B consists of 6 questions of 2 marks each.** | |  | |
| 9 | | Identify the type of angles in the following examples  Geography Black and White Outline Clipart - african-hut--bw-outline -  Classroom Clipart(a) (b)  Seesaw learning Cut Out Stock Images & Pictures - Alamy | | 2 | |
| 10 | | .Find the angle measure between the hands of the clock in each of the following figure:  a) When it is morning 4:00 a.m. (b) When the time is 6:00 p.m.  6 oclock Cut Out Stock Images & Pictures - AlamyClock 4 00 Stock Vector Images - Alamy | | 2 | |
| 11 | | Rohith travelled 5 km 52m by bus and 2 km 265m by car. How much distance did he travel in all. Express in decimal numbers. | | 2 | |
| 12 | | Subtract Rs 5.35 from the sum of Rs 2 and Rs 5.75. | | 2 | |
| 13 | | The ages (in years) of 25 students of class 6 of a school are given below:  12, 15, 12, 14, 13, 13,12, 15, 12, 12, 13, 15, 12, 12, 14, 12, 15, 14, 15, 12, 12, 15, 14, 15, 15.  Prepare a frequency distribution table. | | 2 | |
| 14 | | The following Pictograph shows the number of mobile sets sold by a shop during a week. Observe the pictograph and answer the question given below.  Days Mobile sets sold  (a) How many sets were sold on Wednesday?  (b) On which day was the sale maximum?  (c) On Which day was the sale Minimum?  (d)On which day were 12 mobile sets sold? | | 2 | |
|  | | **Section C** | |  | |
|  | | **Section C consists of 4 questions of 3 marks each.** | |  | |
| 15 | | A survey was carried out in a certain school to find about different modes of transport used by students to travel to school each day. Students were interviewed and following data was collected   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Modes of transport | Walking | Cycle | Scooter | School bus | | Number of students | 48 | 36 | 24 | 60 |   (i)Display the data in the form of pictograph    =12 students   |  |  | | --- | --- | | Modes of transport | Number of students | |  |  |   (ii) Which is the most popular mode of transport?  (iii)Which mode of transport is used by minimum number of students? | | 3 | |
| 16 | | Do as directed:   1. Convert into decimal. 2. Express 8 gram as Kilogram using decimals 3. Arrange the decimals 0.4; 1.04; 0.14 and 1.141 is ascending order. | | 3 | |
| 17 | | 1. Rajani bought 4kg 90 g of apples; 2kg 60g of grapes and 5kg 300g of mangoes. Find the total weight of all the fruits he bought. 2. Anish has Rs 7.30.He bought toffees for Rs 5:45. Find the balance amount left with Anish. | | 3 | |
| 18 | | Name the types of the triangles   1. In triangle PQR where PQ=PR and angle P= 2. These are the set squares present in the Geometry box and is arranged in the way as given below. Can you identify the type of Quadrilaterals shown below, using anyone of their property, 3. write down the property of each quadrilateral below each figure.   Figure (i) Figure (ii) | | 3 | |
|  | | **SECTION C** | |  | |
|  | | **Section C consists of 2 questions of 5 mark** | |  | |
| 19 | | (a) Draw rough sketch of a regular hexagon. Connecting any three of its vertices ,draw a triangle. Identify the type of the triangle, you have drawn.  (b) Given are the examples of parallel, perpendicular and intersecting lines. Identify and write appropriate name below each one of them:  Book outline hi-res stock photography and images - AlamyHow is a railway track an example of parallel lines? - QuoraScissors outline icon Royalty Free Vector Image    Figure (i) Figure (ii) Figure (iii) | | 5 | |
| 20 | | Nancy threw a die 40 times and noted the number appearing each time as shown below:  1, 3, 5, 6, 6, 3, 5, 4, 1, 6, 2, 5, 3, 4, 6, 1, 5, 5, 6, 1,  1, 2, 2, 3, 5, 2, 4, 5, 5, 6, 5, 1, 6, 2, 3, 5, 2, 4, 1, 5.  (a) Make a table and enter the data using tally marks.  (b)Find the number that appeared to the maximum number of times.  (c) Find those number that appeared as ’an equal number of times’ | | 5 | |
|  | | **Section E** | |  | |
|  | | **Section E consists of two Case base study questions of 4 mark Section E** | |  | |
| 21 | | Polygons are the commonly used figures which are found in the walls and floors of monuments, building etc. We also come across polygons in our daily life in the form of objects like tables ,doors books etc.  Answer the following questions based on polygons.  i)Draw a polygon and a non polygon (2 marks)  ii)Give an example of a polygon with opposite sides equal and diagonals equal.(1mark)  iii) Write the measure of each angle in a square(1mark) | | 4 | |
| 22 | | Two friends Selvi and Ceeli after their revision in the chapter “DECIMALS” , mutually asked these questions to check their knowledge. Help them to answer the following questions.  i) The height of Sona is 148.5cm. The heel of her shoes is 4.55cm thick. How tall is Sona when she is in her shoes.  ii)Mention which is greater amongst 2.04kg and 2.004kg  iii)Find the difference between two jars of height 0.68dm an 1.68dm. | | 4 | |

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