**SINDHI HIGH SCHOOL, HEBBAL**

**III -PERIODIC TEST (2022-23)**

**SUBJECT: MATHEMATICS**

**Date: 09-02-2023 Max Marks:30**

**Class: VII Reading Time: 8:15 am to 8:25am Number of printed sides: 02 Writing Time: 8:25 am to 9:25 am**

**General Instructions**

1) This question paper has 5 sections A to E.

2) Section A has 7 MCQs carrying 1 mark each.

3) Section B has 4 questions carrying 2 marks each.

4) Section C has 2 questions carrying 3 marks each.

5) Section D has 1 question carrying 5 marks .

6) Section E has 1 case based integrated unit of assessment 4 marks

with sub parts of values 1,1,2 marks.

7) Draw neat figures wherever required.

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|  | **SECTION A 1 ⨯7 =7** |  |
| 1) | The fraction expressed as a percentage is  a) 25% b) 40% c) 4% d) 2.5% | 1 |
| 2) | A unique triangle cannot be constructed with which of the following measurements  a) Three sides of a triangle  b) Two angles and the included side.  c) Two sides and the included angle.  d) Three angles of a triangle | 1 |
| 3) | Which one of the given ratio is in proportion  a) 2:3 = 5:6 b) 1:3 = 2:5 c) 1:3 = 4:12 d) 2:9 = 4:6 | 1 |
| 4) | 25% of 400 is  a) 50 b) 25 c) 100 d) 200 | 1 |
| 5) | 63% of a group of students selected football and the rest of the students selected cricket .What is the percentage of students who selected cricket.  a) 47% b) 37% c) 33% d) 20% | 1 |
| 6) | The number of parallel lines that can be drawn from a point outside the line to it is  a) 0 b) 1 c) 2 d) infinite | 1 |

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| 7) | **Assertion**  Raj purchased a motor cycle for ₹ 20,000 and sold it at 5% loss. Its selling price is ₹19,000.  **Reason:**  Selling price = Cost price + loss  a) Both Assertion and Reason are correct and Reason is the  correct explanation of assertion.  b) Both Assertion and Reason are correct , but Reason is the not  the correct explanation of assertion.  c) Assertion is correct but Reason is incorrect.  d) Assertion is incorrect but Reason is correct. | 1 |
|  | **SECTION B 2⨯4 = 8** |  |
| 8) | Rahul borrowed ₹6400 at a rate of 6% pa for 2 years from his friend. Find the interest he needs to pay at the end of 2 years. | 2 |
| 9) | Express 12 hours in 3 days as a percentage. | 2 |
| 10) | Find the ratio of ₹5 to 50 paise in its simplest form. | 2 |
| 11) | Construct an equilateral triangle of 3.5 cm using ruler and compass only. | 2 |
|  | **SECTION C 2⨯3 = 6** |  |
| 12  a) | Express 125% as a fraction in its simplest form. |  |
| b) | Express 19% as a decimal number. |  |
| c) | A T V purchased for ₹10,000 was sold at a profit of 12% . Find the selling price of the TV | 3 |
| 13) | Construct ABC, right angled at B and AC = 5 cm, BC =4 cm using ruler and compass only. | 3 |
|  | **SECTION D 1⨯5 =5** |  |
| 14) | Construct PQR such that ∠P and ∠Q = 30⁰ and QR= 6.5 cm. Measure QP and write. |  |
|  | **SECTION E 1⨯ 4 = 4** |  |
| 15) | Ravichandra has an automobile spare parts shop in Upparpet. He purchases different spare parts for cars and other automobiles from a factory and sells them to customers. |  |
| a) | Ravichandra sold a steering wheel to a customer for ₹4200. He had purchased it for ₹3500 from the factory . Calculate the profit made in the transaction. | 1 |
| b) | There are 2500 headlights and 550 stereo systems in his shop. What is the ratio of headlights to stereo systems? | 1 |
| c) | This year the cost of a wheel increased from ₹2500 to ₹2650. Find the actual increase and increase %. | 2 |