

**SINDHI HIGH SCHOOL, HEBBAL**

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

**SUBJECT: MATHEMATICS**

**Class: VIII Max Marks: 30**

**Date:07.02.2023 Reading Time:8:20-8:30am**

**No of Sides:02 Writing Time8:30-9:30am**

**GENERAL INSTRUCTIONS:**

* This Question Paper has 5 Sections A-E.
* Section A has 6 MCQs carrying 1 mark each
* Section B has3 questions carrying 02 marks each.
* Section C has 3 questions carrying 03 marks each.
* Section D has 1question carrying 05 marks..
* Section E has 1 case based integrated units of assessment carrying 4 marks

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

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|  | **Section A** |  |
|  | **Section A consists of 6 questions of 1 mark each.** |  |
| 1 | An item marked at ₹220 is sold for ₹192. The discount on the item is  a) ₹412 b) ₹58 c) ₹28 d) ₹20 | **1** |
| 2 | The above graph shows the production of wheels in a factory during a week. The total production of wheels on Tuesday Thursday and Friday together.  a) 20 b) 10 c) 45 d) 40 | **1** |
| 3 | An item marked at ₹900 is sold for ₹800 , so the discount percent is  a) 1 % b) 10 % c)12 % d)11 % | **1** |
| 4 | 2560 g to 78 kg expressed as ratio is:  a) 2560:78 b) 2560 : 7800  c) 320:9025 d) 32:975 |  |
| 5 | Which of the following point lie on the x axis only.  a) (8,0) b) (0,8 ) c) (0,0) d) (2,2) |  |
| 6 | **Assertion**:If marked price of an article is ₹1300 and discount is 10%. The selling price of the article is ₹1180.  **Reason:** The selling price of an article can be calculated by the formula  SP = MARKED PRICE − DISCOUNT  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** |  |
|  | **Section B consists of 3 questions of 2 marks each.** |  |
| 7 | *a)* What was the temperature on Thursday  b) How much did the temperature increase from  the previous day. | **2** |
| 8 | Mallika spent 65% of her salary and was left with ₹700 . Find out how much is her salary ? | **2** |
| 9 | Find the ratio of 12 months to 3 years .Express it as a percentage | **2** |
|  | **Section C consists of 3 questions of 3 marks each.** |  |
| 10 | A smartphone is bought at ₹36,000.Its value depreciates at the rate of 11 % per annum. Find its value after 2 years. | **3** |
| 11 | Abhimanyu invested ₹ 1,00,000 at 13% per annum compounded annually . Find the amount and compound interest he got at the end of the second year. | **3** |
| 12 | The following table shows the performance of two batsman during 5 matches. Represent the following on a line graph   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Match 1 | Match 2 | Match 3 | Match 4 | Match 5 | | Batsman1 | 15 | 45 | 30 | 35 | 40 | | Batsman 2 | 40 | 20 | 25 | 45 | 35 | | **3** |
|  | **Section D consists of 1 questions of 5 mark** |  |
| 13 | A man borrows ₹10000 at 10% per annum simple interest for 3 years. He immediately lends this amount to his friend at compound interest for the same rate and for the same time. How much amount did he gain at the end of 3 years? | **5** |
|  | **Section E consists of one Case base study questions of 4 mark** |  |
| 14 | Shopkeepers and customers wait eagerly for festival times . Attractive discounts are given on items during this time.During such a sale a table marked at ₹ 9000 was sold at a discount of 15%.A GST of 12 % on added on the sale price of the table.  Mr Murthy wanted to purchase the table.  a) What will be sale price of the table before GST is added?  b) How much is the GST calculated for the table.  c) How much did Mr Murthy pay for the table after the shopkeeper added GST on it. | **4** |

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