BHARATH COACHING CENTRE

6ᵗʰ CBSE   **Maths**   **Total: 40**

INTEGERS   **Time: 45 mins**

SECTION – A $1\times6=6$

1. If we add -13 to the difference of $-7\wedge5$. Then we have
2. The integer which is 15 more than -55 is
3. In addition, and subtraction of the integers the sign of answer depends upon
4. When 9 is multiplied with its multiplicative inverse it gives
5. A grocer made a profit of Rs.50 on Monday, incurred a loss of Rs.12 on Tuesday and a loss of Rs.10 on Wednesday. What was his net profit or loss in 3 days?
6. Solve $(-3)\times[4-3]+(-3)-4$

SECTION-B $2\times5=10$

1. Which is greater between $(9-10)\times11$ and $9-10\times11$?
2. Sum of two integers is 1890. If one of them is -412. Find the other integer.
3. The temperature in Shimla was $4\ ^\circ C$ in the afternoon but at midnight the temperature recorded at midnight?
4. What should be subtracted from -1963 to obtain -9512 ?
5. Top of a hill is at a height of 200m above sea level and its base is 300m below sea level. What is the height of the hill?

SECTION-C $3\times4=12$

1. If D is an operation such that for integers a and b,
   $a\,\Delta\,b=-a+b+(-2)$; then $2\,\Delta-4$ equals to

2. Mano travelled in a train towards east of Delhi by 49km and then towards the west of Delhi by 78km. How far he was from Delhi finally?
3. A plane flies 990 km west of Mumbai and then 1678km east. How far is the plane from Mumbai now?
4. Mohan deposits Rs.3500 into his bank account. After three days, he deposits Rs.500 two days after that he withdraws Rs.1800 from his account 7 days later he again withdraws Rs.1700 from his account. How much money is left in his account?

SECTION-D $4 \times 3 = 12$

1. While playing cards, Ram won Rs.79 in the first game, lost Rs.60 in the second game, again won Rs.45 in the third game and finally lost Rs.100 in fourth game. Find his final loss or gain.
2. A person is standing on a mountain cliff which is about 2500m above sea level. He drops his tool bag which reaches a valley that is 2500m, below sea level. Find the shortest distance between the man and his bag.
3. In a class test containing 25 questions, 4 marks are given for every correct answer and (-2) marks are given for every wrong answer. A student attempts all questions and 20 of his answers are correct. What is the total score of student?