Mizpah Christian School – April Test 2022 – Class 10
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A) Questions and Answers (2x5=10)
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1) What is the need of using Algorithms ? Explain

2) Convert Binary number 10011010 to Octal and Hex

3) Convert Octal number 2705 to Binary, Decimal

4) Convert Decimal 27.1875 to its binary equivalent

5) Convert hexadecimal 3BC to Binary and Decimal

B) Long Questions Answers (3x5=15)
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1) Write algorithm to find the result of equation:
f(x) = { -x, if x < 0 and x if x >=0

2) Write an algorithm to find the largest value of any three numbers.

3) Write an algorithm to calculate even numbers between 0 and 99

4) Write the steps to convert a decimal number to a binary number

5) What are the different operators supported by Python Programming Language