



Mizpah Christian School - <https://www.mizpahchristianschool.org>

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| Topic :Test 2022 - April - Class X |
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A) Questions and Answers (2x5=10)

- 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)

- 1) Write algorithm to find the result of equation:
$$f(x) = \begin{cases} -x, & \text{if } x < 0 \\ x, & \text{if } x \geq 0 \end{cases}$$
 - 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
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END