

JUNE MONTHLY TEST -2019

COMPUTER SCIENCE / COMPUTER APPLICATIONS

STD: XI

MARKS : 50

PART A

Choose the correct answer

10x 1=10

1. Second generation computer.....
a. ENIAC b. IBM 1620 c. Honeywell d. Microprocessors
2. Expand POST.....
a. Post on self Test b. Power on Software Test
c. Power on self Test d. Power on self Texts
3. To convert Decimal to octal.....method can be used.
a. Repeated Division by 8 b. Repeated Division by 2
c. Repeated Division by 10 d. Repeated Division by 16
4. How many bytes does 1 kilobyte contain?
a. 1000 b. 8 c. 4 d. 1024
5. When a system restarts which type of booting is used?
a. Warm booting b. Cold booting c. Touch bootd.Real boot
6. 2^{70} is referred as
a. Kilo b. Tera c. Zetta d. Peta
7. What is the 1's complement of 00100110?
a. 00100110 b. 11011001 c. 11010001 d. 00101001
8. Which one of the following is the main memory?
a. ROM b. RAM c. Flash drive d. Hard disk
9. Which of the following generation of computer is development of voice recognition software?
a. Third b. Fourth c. Fifth d. Sixth
10. $1011_2 + 1001_2$
a. 10101_2 b. 10001_2 c. 10100_2 d. 10111_2

PART B

Answer any 5 of the following questions

5 X 2 = 10

11. What is a computer?
12. Convert $9BC8_{16}$ to binary.

13. We cannot find 1's complement for (28). State reason
14. What is data and information?
15. What is Cold booting?
16. What is a keyer?

PART C

Answer any 5 of the following questions.

5 X 3 = 15

17. Write short note on ISCII
18. Convert the following octal numbers to binary number
(i) 472_8 (ii) 145_8 (iii) 6213_8
19. Define OCR
20. Write short note on memory unit.
21. Write short note on Optical mouse
22. Expand (i) BCD (ii) EBCDIC (iii) ASCII

PART D

Answer the following questions in detail:

3 x 5 = 15

23. Explain the different generations of computer.

(or)

Convert the given Binary number into its equivalent Octal and Hexadecimal number.

(i) 101110101_2

(ii) 1011010_2

(iii) 101011111_2

24. Explain the basic components of a computer

(or)

Add: (i) $-22_{10} + 15_{10}$ (ii) $63_{10} + (-7)_{10}$

25. Explain the different types of mouse.

(or)

Convert the Decimal numbers 1920_{10} to its equivalent Binary, Octal, Hexadecimal.

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