MODEL QUARTERLY EXAMINATION -2017

SUBJECT: COMPUTER SCIENCE

CLASS : XI [EM]   TIME : 2.30 HRS   MARKS : 70

PART- A   15 X 1 = 15

1. UNIVAC stands for …………………..

    a. (a) Universal Automatic Computing   (b) Universal Auto Computer

    b. (c) Universal Automatic Computer   (d) Union Automatic Computer

2. How many types the computers are classified based on the principle of operation?

    a. (a) 4   (b) 3   (c) 2   (d) 5

3. The decimal value of $2C_{16}$ is ………………

    a). 212_{10} (b) 24_{10} (c) 21216_{10} (d) 44_{10}

4. If A= 1, then A = ………..

    a). 0   (b) A   (c) 1   (d) A

5. Which type of memory in non-volatile in nature ?

    a. (a) ROM   (b) EPROM   (c) PROM   (d) All of these

6. Scanner is useful for ………….. .

        (a) desktop publishing   (b) multi-media application

        (c) spreadsheet application   (d) Both (a) and (b)

7. A flip-flop is also called ……………… .

    (a) Stable gate   (b) logic stable gate   (c) bi-stable gate   (d) tri-stable gate

8. Multiprogramming was followed by ……………… .

    a. (a) Job scheduling   (b) Time-sharing   (c) Multiprogramming   (d) Spooling

9. All levels of security are provided only by the ………….. .

    a. (a) CPU   (b) Users   (c) Processor   (d) Operating system

10. A network that spans a geographical area covering a metropolitan city is called ………. .

    a. (a) LAN   (b) MAN   (c) WAN   (d) Internet

11. How many ways to look for the information on the web ?

    a. (a) 6   (b) 2   (c) 3   (d)4

12. The key equivalent to double-click mouse action is …………… .

    a. (a) 5   (b) /   (c) *   (d) +

13. Which key combinations will take the user to the Help and support system of windows XP ?

    a. (a) Winkey   (b) Alt + F4   (c) Winkey + F1   (d) Alt + F4

14. The shortcut key is used to move the picture in paint is ……….. .

    a. (a) Ctrl + C   (b) Ctrl + X   (c) Ctrl + M   (d) Ctrl + V

15. Network is a large number of computers are interconnected by ………… .

    (a) Copper wire   (b) fiber optic cable   (c) microwave and infrared   (d) All of these

PART- B   6 X 2 = 12

16. What are the peripheral devices ?

17. Add the signed numbers $+17_{10}$ and $+46_{10}$. Write the operands and the sum as 8 – bit binary numbers.

18. Do the following binary arithmetic. $11011001 + 1011101$

19. Write the main functions of the central processing unit.

20. What are registers?

21. What is workstation?

22. What is Ring Network?

23. What is the Clipboard?

24. What is the advantage of EEPROM over EPROM?

PART- C   6 X 3 = 18

25.   Convert the following decimal numbers to binary using sun of powers of 2 methods 91_{10}

26. List a few commonly used output devices and explain them briefly (any 3)

27. Explain the steps involved in designing a logic circuit.

28. Explain the main functions of the operating system.

29. What are the transmission modes?

30. What is a mouse? What are the different mouse actions that you are familiar with?

31. Describe briefly how to edit text entered in WordPad

32. Write a short note about the different kinds of dialog boxes that you use in Windows

33. Explain the main functions of the operating system.

PART- D   5X 5 = 25

1. Write detail about computer software and their categories?

                    OR

    Describe in detail the various units of the Central Processing Unit.

2. What are the different types of logic gates? Explain with the help of truth tables and give an example for each gate.

                    OR

    What is the Control Panel? Describe briefly some of the icons found on the Control Panel.

3. Explain the process and memory managements.

                    OR

    Explain the working principle of CPU with an example

4. Using the theorems started in Boolean algebra, prove the following

    a) A+AB=A   b) (A+B) (A+C) = A+ (BC)

                    OR

    Draw the truth table of the Boolean Expression

    $(\overline{A} + \overline{B} + \overline{C})$

5. **Briefly explain various types of memory.**

OR

Discuss the various computer generations along with the key characteristics of the computer of each generation

ALL THE BEST

From

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