MODEL QUARTERLY EXAMINATION

CLASS : 11 **TYPE:B** MARKS : 70

SUBJECT: COMPUTER SCIENCE TIME : 3 HRS

I. CHOOSE THE CORRECT ANSWER: 15 X 1 = 15

1. Name the volatile memory
   (A) ROM (B) PROM (C) RAM (D) EPROM
2. 2^50 is referred as
   (A) Kilo (B) Tera (C) Peta (D) Zetta
3. Which is a basic electronic circuit which operates on one or more signals?
   (A) Boolean algebra (B) Gate
   (C) Fundamental gates (D) Derived gates

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4. Which of the following is a CISC processor?
   (A) Intel P6 (B) AMD K6 (C) Pentium III (D) Pentium IV
5. What is the capacity of 12cm diameter DVD with single sided and single layer?
   (A) 4.7 GB (B) 5.5 GB (C) 7.8GB (D) 2.2 GB
6. Which of the following Operating systems support Mobile Devices?
   (A) Windows 7 (B) Linux (C) BOSS (D) iOS
7. The File management system used by Linux is
   (A) ext2 (B) NTFS (C) FAT (D) NFTS
8. Which is the default folder for many Windows Applications to save your file?
   (A) My Document (B) My Pictures
   (C) Documents and Settings (D) My Computer
9. The shortcut key used to rename a file in windows
   (A) F2 (B) F4 (C) F5 (D) F6
10. Stating the input property and the input-output relation a problem is known
    (A) specification (B) statement (C) algorithm (D) definition
11. Suppose u, v = 10 ,5 before the assignment. What are the values of u and v after the sequence of assignments?
    1 u := v 2 v := u
    (A) u, v = 5 ,5 (B) u, v = 10 ,5 (C) u, v = 5 ,10 (D) u, v = 10 ,10
12. We wish to cover a chessboard with dominoes, the number of black squares and the number of white squares covered by dominoes, respectively, placing a domino can be modeled by
    (A) b := b + 2 (B) w := w + 2 (C) b, w := b+1, w+1 (D) b := w

13. Which of the following is called as compile time operators?
(A) sizeof (B) pointer (C) virtual (D) this
14. Which of the character is used as suffix to indicate a floating point value?
(A) F (B) C (C) L (D) D
15. Which of the following is called entry control loop?
(A) do-while (B) switch (C) while (D) if-else

II. Answer the following questions: (Any 6)
Q.No:24 Compulsory **6 X 2 = 12**

16. Write the functions of control unit.
17. What is Data?
18. What is HDMI?
19. What is a GUI?
20. How will you Rename a File?
21. Define an algorithm.
22. What is recursive problem solving?
23. What are keywords? Can keywords be used as identifiers?
24. What will be the output of the following code:

```
int year;
cin >> year;
if (year % 100 == 0)
        if ( year % 400 == 0)
                cout << "Leap";
        else
                cout << "Not Leap year";
```

If the input given is (i) 2000 (ii) 2003 (iii) 2010?

III. Answer the following questions: (Any 6)
Q.No:33 Compulsory **6 X 3 = 18**

25. What is an input device? Give two examples.
26. What is radix of a number system? Give example.
27. Write a short note on XNOR gate.
28. Differentiate PROM and EPROM.
29. Write a note on Multiprocessing.
30. Differentiate Files and Folders.
31. What is the use of a header file?
32. Write the syntax for if..else statement.
33. What is case analysis?

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IV. Answer in Detail: **5 X 5 = 25**

34. Explain the following (OR)
a. Inkjet Printer b. Multimedia projector c. Bar code / QR code Reader.
a) Write the procedure to convert fractional Decimal to Binary
b) Convert $(98.46)_{10}$ to Binary.

35. Explain the characteristics of a microprocessor. (OR)
List out the points to be noted while creating a user interface for an Operating system.

36. Explain the versions of Windows Operating System. (OR)
Write about Binary operators used in C++.

37. What is an entry control loop? Explain any one of the entry controlled loop with suitable example. (OR)
Arrange the memory devices in ascending order based on the access time.

38. Explain the different ways of finding a file or Folder. (OR)
Explain if..else statement with suitable example.

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