

**T.I. School**  
Ambattur, Chennai - 600053  
**Quarterly Examination**  
COMPUTER APPLICATIONS

Total Marks: 70 Marks  
Duration: 3 Hrs

Class: 11

**Section A**

**Choose the correct answer**

15 X 1 = 15

1. The expansion of VLSI is
  - a) Verified logical scale integrated circuits
  - b) Very logical small integer circuits
  - c) Very large scale integrated circuits
  - d) Volatile large scale integrated circuits
2. Which device converts light waves into electrical waves?
  - a) Digital Camera
  - b) Light pen
  - c) Track ball
  - d) OCR
3. First generation computers used
  - a) Vacuum tubes
  - b) Transistors
  - c) Integrated circuits
  - d) Microprocessors
4. How many characters can be handled in Binary Coded Decimal System?
  - a) 64
  - b) 255
  - c) 256
  - d) 128
5. In a computer, a data is converted into
  - a) ASCII form
  - b) BCD form
  - c) Binary form
  - d) Octal form
6. A number system can be derived from a .....
  - a) bit
  - b) byte
  - c) base or radix
  - d) nibble or word
7. Expansion of MSB is .....
  - a) Most Sign Bit
  - b) Most Significant Bit
  - c) Medium Signal Bit
  - d) Most Significant Byte
8. What is the smallest size of data represented in a CD?
  - a) blocks
  - b) sectors
  - c) pits
  - d) tracks
9. Display devices are connected to the computer through.
  - a) USB port
  - b) Ps/2 port
  - c) SCSI port
  - d) VGA connector
10. Which of the following Operating Systems support Mobile Devices?
  - a) Windows 7
  - b) Linux
  - c) BOSS
  - d) iOS
11. In which OS the processor time is divided among different tasks?
  - a) Multiuser
  - b) Multiprocessor
  - c) Real time
  - d) Time sharing
12. What is the meaning of "Hibernate" in Windows XP / Windows 7?
  - a) Restart the Computer in safe mode
  - b) Restart the Computer in hibernate mode
  - c) Shutdown the Computer terminating all the running applications
  - d) Shutdown the Computer without closing the running applications
13. Which key display the Windows desktop?
  - a) winkey + E
  - b) winkey + D
  - c) winkey + C
  - d) winkey + T
14. In HTML, colours are represented as
  - a) Binary values
  - b) Octal values
  - c) Decimal values
  - d) Hexadecimal values
15. Which section of the browser window displays the main contents?
  - a) Head
  - b) Body
  - c) Title
  - d) Heading

**Section B**

**Answer any 6 questions from the following**

6 X 2 = 12

16. Distinguish Primary and Secondary memory.
17. How BIOS works in computer system?
18. Convert  $(46)_{10}$  into Binary number
19. Which method is used to convert the decimal number to Octal number system?
20. What is a program counter?
21. What is multi-processing?
22. What is the use of a file extension?
23. Differentiate Save and Save As option.
24. Explain with the help of an example the difference between container and empty elements of HTML.

**Section C**

**Answer any 6 questions from the following**

6 X 3 = 18

25. What is an input device? Give two examples.
26. Write the characteristics of sixth generation.

27. Perform the following expressions  
i.  $(FACE)_{16} = (?)_2$   
ii.  $(COFFEE)_{16} = (?)_2$
28.  $(300)_{10} \rightarrow (?)_2 \rightarrow (?)_8 \rightarrow (?)_{16}$
29. Differentiate PROM and EPROM.
30. Differentiate Primary Memory and secondary memory.
31. Explain and List out examples of mobile operating system.
32. Name the commonly used icons in the desktop.
33. What are the attributes available in `<html>` tags?

### Section D

Answer the following questions in detail

5 X 5 = 25

34. Explain the following  
a) Inkjet Printer  
b) Multimedia projector  
c) Bar code / QR code Reader

(Or)

Explain any two input and output devices.

35. a) Add  $1101010_2 + 101101_2$   
b) Subtract  $1101011_2 - 111010_2$

(Or)

Explain the following terms in detail.

- a) ASCII  
b) BCD  
c) EBCDIC

36. How the read and write operations are performed by a processor? Explain.

(Or)

Define the following.

- a) PROM  
b) EEPROM

37. Explain the process management algorithms in Operating System.

(Or)

Write a short note on File Management.

38. Explain the versions of Windows Operating System.

(Or)

Write the basic structure of a HTML program.