Time : 4 Hours

Full Marks - 100

Candidates are required to give their answers
in their own words as far as practicable

The questions are of equal value

Answer any five questions

1. What are the components of a computer? How are they
organized? Explain all the components in detail with
diagram. http://www.biharpaper.com

2. Discuss about the various attributes of a good
programming language.

3. What are the differences between internal commands

Turn Over

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and external commands in DOS? Give three examples
of each type with syntax.

4. (a) Define Communication Media and explain all
Communication Media in detail

(b) Differentiate between Client Server and
Workgroup Model with example in detail.

5. Define Operating System and differentiate between
DOS and Windows XP with respective features.

6. (a) What is the difference between a line printer and
a character printer? http://www.biharpaper.com

(b) What is the advantage of an inject printer
compared to a dot matrix printer?

7. (a) Explain BCD and ASCII Code in detail,

(b) Solve the following:

(i) $(270)_{10} = (\quad)_2$

(ii) $(110101101)_2 = (\quad)_{10}$

(iii) $(ABc)_{16} = (\quad)_{10}$

(iv) $(222)_{10} = (\quad)_8$

8. What is the difference between a Primary memory and Secondary memory? Explain briefly any three types of Primary memory.

9. What is software? Explain System and Application software. Enlist System and Application software.

10. Write short notes on the following:

   (a)   World wide web

   (b)   Web Browser

   (c)   Input/output Devices

   (d)   Network Topology