COMPUTER & PROGRAMMING FUNDAMENTALS

| Tim | e:Thre | e Hours Maximum Marks: 80 |
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| Not | e: Tota | ol five questions are to be attempted. Selectt one question from each testion No. 1 is compulsory. |
| | | Compulsory Question |
| 1. | (a) | Name two pointing devices. |
| | (b) | Name the types of ROM. |
| | (c) | What are the units of memory? |
| | (d) | Write two characteristics of good programming language. |
| | (e) | Define Interpreter. |
| | (f) | Name the various computer networks. |
| | (g) | Write two applications of Internet. |
| | (h) | Define Real time operating system. 2×8=16 |
| | | SECTION-I |
| 2. | (a) | What are the characteristics of a computer? |
| | (b) | Classify computers on the basis of size, speed and memory. |
| | | |
| 3. | (a) | What is the difference between Primary and Secondary memory? |
| | (b) | |
| | | types of magnetic disks. |
| | | SECTION-II |
| 4. | (a) | Distinguish between Appliction software and System software. |
| | (b) | Explain: |
| | | (i) Multithreading (ii) Time-sharing (iii) Multitasking |
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| 5. | Wha | s a virus? Explain various types of viruses. Explain the Antiv | irus |
| | softv | vare utility. | 16 |
| | | SECTION-IIII | |
| 6. | (a) | Explain the Program design methodologies. | 8 |
| | (b) Explain the advantages and disadvantages of Str | | |
| | | programming. | 8 |
| 7. | (a) | Draw a flow chart to find the HCF and LCM of two given nos. | 8 |
| | (b) | Explain: | |
| | | (i) Pseudocode (ii) Decision table | 8 |
| | | SECTION-IV | |
| 8. | (a) | Write an algorithm of merging. | 10 |
| | (b) | Compare Linear and Binary Search. Which one is better and w | |
| 9. | Wha | t do you mean by Network topology? Discuss various topolog | gies. |

Harmond and decide about selecting a particular topology?