P141/DIS102/EE/20170103

Time : 3 Hours   **Marks : 80**

Instructions :

1. All Questions are Compulsory.

2. Each Sub-question carry 5 marks.

3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.

4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

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1. Solve any **four** sub-questions.

   a) What is Operating System? Explain some popular operating systems.   5

   b) Explain the functions of Operating system.   5

   c) What is Multimedia? State its components.   5

   d) Explain in brief about elements of communication system.   5

   e) What are the different types of modes of data transmission? Explain each in brief. 5

2. Solve any **four** sub-questions.

   a) What is computer? State the year wise History of Computer.   5

   b) Describe the advantages and disadvantages of first generation computers.   5

   c) What are the characteristics of Computer? Explain in brief.   5

   d) Define the following terms :   5

      i) Bit

      ii) Byte

      iii) CPU

      iv) PCB

      v) SMPS

   e) Explain Motherboard.   5

3. Solve any **four** sub-questions.

    a) How does the computer work. 5

    b) What are the three parts of Memory Unit? Explain Random Access Memory in brief.
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    c) What is Register? Explain in brief with its types. 5

    d) Explain the working of CPU. 5

    e) What are the different types of input devices? Explain most basic input device in brief. 5

4. Solve any **four** sub-questions.

    a) Explain Working of Modem. 5

    b) What are the different types of Network? Explain each in brief. 5

    c) Define Internet. Explain its use in brief. 5

    d) Describe the structure of IP address. 5

    e) What is software? Explain its types in brief. 5

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