



- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answer related to question.

1. Either

- a) Draw block diagram of computer. Explain each unit in detail. **8**
- b) Write a short note on **8**
- i) Flash memory
 - ii) Cache memory.

OR

- c) Explain Analog computer and Hybrid computer in detail. **8**
- d) Describe in detail. **8**
- i) Hard Disk
 - ii) Blu ray Disk.

2. Either

- a) What is the function of output device? Explain Dot matrix printer in detail. **8**
- b) Write a short note on **8**
- i) Joystick
 - ii) Digitizing Tablet.

OR

- c) Explain keyboard in detail. **8**
- d) Describe the following in detail **8**
- i) Smart card
 - ii) Plotter.

3. Either

- a) Define wireless communication. Explain the following in detail. **8**
- i) GPS
 - ii) Bluetooth.
- b) What is open-source software? List and explain the advantages of open source software. **8**

OR

- c) Explain 3G, 4G and wi-fi in detail. **8**
- d) Write a short note on **8**
- i) M-commerce
 - ii) E-commerce

4. Either

- a) Explain the virtual LAN technology in detail. **8**

b) What is artificial Intelligence? Explain. 8

OR

c) Describe Intelligent software Agent in detail. 8

d) Write a note on 8

i) Aziz H. Premji ii) Charles Babbage.

5. Solve all the questions.

a) Write a short note on optical Disk. 4

b) Explain VDU in detail. 4

c) Write a short note on Facebook. 4

d) Write a short note on data mining. 4
