

- Instructions :**
- (1) All questions are compulsory.
  - (2) Illustrate your answers with neat sketches wherever necessary.
  - (3) Figures to the right indicate full marks.
  - (4) Assume suitable data if necessary.
  - (5) Preferably, write the answers in sequential order.

1. (a) Attempt any **THREE** of following : [12]
- (i) Explain the architecture of Intel chipset 945G with diagram.
  - (ii) Describe the importance of preventive maintenance.
  - (iii) Differentiate between CRT and LCD display.
  - (iv) Draw OSI reference model. State function of any two layer.
- (b) Attempt any **ONE** :
- (i) Describe peer to peer and client server networks. [6]
  - (ii) Compare between OSI and TCP/IP model.
2. Attempt any **FOUR** of the following : [16]
- (a) Explain BIOS with any three functions.
  - (b) What do you mean by POST? Give the solution for the following error indication.
    - (i) No beep
    - (ii) Continuous beep.
  - (c) Write preventive maintenance procedure of
    - (i) keyboard
    - (ii) Hard-disk
  - (d) Define IP Addressing. List IP Address classes with their range.
  - (e) Name the different TCP/IP protocols. Explain the working of FTP.
3. Attempt any **TWO** of the following : [16]
- (a) What is cache memory? What are it's types? With the help of neat diagram explain the working principle of cache.
  - (b) Draw the block diagram of SMPS and state the function of each block.
  - (c) List the networking devices. State the function of any four devices.

**Paper Discussion Schedule for T.Y. Diploma (Sem. V) – All Subjects**

Date	Day	Timing	Centres
14 Nov. 2016	Monday	9 a.m. to 11 a.m.	Dadar
14 Nov. 2016	Monday	12 p.m. to 2 p.m.	Thane

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