

2. Answer any three from the following questions

4×3 = 12

- (a) What are the main characteristics of super computer? Give two examples of super computer.
- (b) What are the major advantages of magnetic disk?
- (c) Write the role of SMPS.
- (d) What are the goals of computer networks?
- (e) What are the purpose of using serial port, paralalled port and VGA port?

3. Answer any four from the following questions

6×4 = 24

- (a) Differentiate the term Direct and Random access storage devices. In which category does a magnetic disk fall? Give reasons for your answer.
- (b) Differentiate between the dial-up and ADSL internet connection.
- (c) Discuss multimedia computing.
- (d) Write the functions of each components of a CPU.
- (e) Differentiate between static and dynamic RAM.
- (f) What are the categories of network? Briefly discuss each of them.

4. Answer any five from the following questions

10×5 = 50

- (a) Discuss the important features of various generations of computers. Give some examples of computers of each generation.
- (b) What are the functions of operating system? Give the difference between multitasking and multiprogramming operating system.
- (c) What is ISO-OSI model? Briefly explain the functions of each layer of ISO-OSI model.
- (d) What do you mean by network topology? Give the advantages and disadvantages of Bus and star topology.
- (e) Discuss the functioning of a web server and web browser. Also give two examples of web server and web browser.
- (f) Write short notes on
 - (i) ISP (Internet Service Provider)
 - (ii) Firewall.
- (g) Write down the functionalities of bridge, gateway, hub, switch and router.