

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 0112

Roll No.

--	--	--	--	--	--	--	--	--	--

B.Tech.

(SEM. III) ODD SEMESTER THEORY

EXAMINATION 2010-11

IT INFRASTRUCTURE AND ITS MANAGEMENT

Time : 3 Hours

Total Marks : 100

Note : Attempt *all* questions.

1. Attempt any *four* parts of the following :— (5×4=20)
 - (a) Explain the importance of IT infrastructure management activity.
 - (b) What is software piracy and how it can be avoided ?
 - (c) Describe briefly the Internet development.
 - (d) Describe the goals of IT service management process.
 - (e) Describe the services provided by cloud computing.
 - (f) Describe five popular applications of Internet.
2. Attempt any *four* parts of the following :— (5×4=20)
 - (a) Write and describe two popular methods used for budget preparation.
 - (b) Explain the following in short :
 - (i) Service level management
 - (ii) Service level objectives.
 - (c) How the service level agreement helps the service level management process ? Explain in brief.

(d) Describe the various documents generated by service level management.

(e) Write and explain the advantages of financial management.

(f) How does OLA differ from the SLA ? Explain in brief.

3. Attempt any *two* parts of the following :— (10×2=20)

(a) Describe the storage hierarchy. What is the purpose to use the memories of different nature in computer system ? Explain the storage management process and activities.

(b) Define and classify the disasters. What is disaster recovery planning ? Write and explain the steps to test the disaster recovery plan.

(c) What is release management ? Describe the processes involved in release management.

4. Attempt any *two* parts of the following :— (10×2=20)

(a) Identify and describe the techniques which are used to secure data while transmitting over the internet, to save it from hackers and crackers.

(b) Describe the TCP/IP reference model. What are the security devices and the techniques used for protecting TCP/IP five layer architecture models ? Explain.

(c) What are intruders ? Write the main functions of intrusion detection. Write and describe the important types of intrusion detection systems.

5. Attempt any *four* parts of the following :— (5×4=20)

(a) Explain the difference between cyber bullying and cyber stalking.

(b) Write and explain the essential goals of computer forensics.

(c) Write and explain the issues involved in Internet Ethics.

(d) What is e-commerce ? Describe in brief.

(e) Write and explain the advantages and disadvantages of Bluetooth technology.

(f) Describe the two popular modes of data transfer.