

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

PAPER ID : 0112

Roll No.

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**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.