

## B. TECH.

## THIRD SEMESTER EXAMINATION, 2015-16

ECS 304

## IT INFRASTRUCTURE AND ITS MANAGEMENT

Time: 3 Hours

Note:

Max. Marks: 100

- Attempt all questions.

- Marks and number of questions to be attempted from the section is mentioned before each section.

1. Attempt any *Two* parts of the following: [2×10]  
 a. What are IT and its components? Describe various design issues of IT infrastructure.

b. Differentiate between intranet and internet. Also explain computer network and its types.

c. What are the different types of computer software? How software piracy is spreading in IT world and how it can be controlled?

2. Attempt any *Two* parts of the following: [2×10]

a. What is SLM? Explain in detail. Also explain how SLA helps SLM.

b. Explain how availability management is related to capacity management?

c. Explain financial management and its impact.

3. Attempt any *Two* parts of the following: [2×10]

a. What is the benefit of having change management? How it relates with incident management and problem management?

b. What are the different processes involved in release management? Explain.

c. Explain the terms

(i) Database, (ii) Data Retention, (iii) Backup, (iv) Archive

4. Attempt any *Two* parts of the following: [2×10]

a. What do you mean by Intruders and Intrusions? Explain different types of IDS.

b. What is Information / Internet security? What is the need of security policy?

c. Write short note on :

(i) Identity management, (ii) Access management

5. Attempt any *Two* parts of the following: [2×10]

a. Explain Cyber Ethics and Cyber Crime?

b. What is E-commerce and its services? How it is beneficial for all of us.

c. Why Expert systems are called expert and smart cards are called smart?

Explain with proper reasons.