

**QP Code : 31274**

**(3 Hours)**

**[80 Marks]**

**N.B.** (1). Question No.1 is compulsory.

(2). Out of remaining attempt any three.

(3). Assume suitable data wherever required.

(4). Figures to right indicates full marks.

**Ques.1. Solve any [Four]:**

- a). Describe PMBOK [5]
- b). Explain Triple constraints of a project. [5]
- c). Explain Business Case. [5]
- d). Explain formal and informal organisation. [5]
- e). What is project? What are the attributes of a project? [5]

**Ques.2 a).** Explain work breakdown structure with example. [10]

- b). Explain various project scheduling techniques. Explain the difference between CPM and PERT. [10]

**Ques.3 a).** Explain project leadership and ethics. [10]

- b). List and explain the steps involved in terminating a project. [10]

**Ques.4 a).** What is project risk management? What are the RM processes? [10]

- b). Distinguish resource loading from resource levelling. Why is levelling of resources preferred to large fluctuations? [10]

**Ques.5 a)** Explain project life cycle and its relation with SDLC. [10]

- b). How can a system be a technical success but an organizational failure? [10]

**FW-Con. 9951-16.**

**[TURN OVER]**

- Ques.6 a).** What is the role of implementation plan? Explain in brief the contents of implementation plan of a project. [10]
- b).** What is meant by Communication Management? What are the strategies for an effective communication system? [10]



(3 Hours)

[ Total Marks :80

- N.B. : (1) Q. 1. is compulsory  
(2) Attempt any three out of five.

1. (a) What are cloud deployment models? 5  
(b) Explain benefits of virtualization? 5  
(c) What saas maturity model? 5  
(d) Explain different types of hypervisor with example. 5
2. (a) Explain Openstack Architecture in detail. 10  
(b) Explain Xen architecture in detail. 10
3. (a) What are the features of Google file system? 10  
(b) Explain cloud Data Security? 10
4. (a) What are techqnines for the risk assessment and management for cloud? 10  
(b) Explain AAA model for cloud? 10
5. (a) What is the impact of shared resources and Multi-Tenancy on cloud Applications? 10  
(b) What are the fundamental requirements for cloud application architecture? 10
6. Write a note on:- 10
  - (a) Cloud Service Brokerage
  - (b) Mobile cloud Computing
  - (c) Amzon simple DB
  - (d) Modes of Eucalptus

SEM VII 1-T.  
CCBSGS

WIRELESS TECH.

MAY 16

Q.P. Code : 31422

(2½ Hours)

[ Total Marks : 80

- N.B. : (1) All questions are compulsory.  
(2) Solve any three questions out of the remaining five questions

1. A) Consider a cellular network with 64 cells. Each hexagonal cell has an appropriate area of  $10 \text{ km}^2$ . The total number of radio channels allotted for the network is 336. Find the total number of channels of the network, if 10
- a)  $N = 4$
  - b)  $N = 7$
  - c)  $N = 12$ . Where  $N$  denotes cell reuse.
- B) Illustrate FHSS and DSSS with suitable examples. 10
2. A) Explain in detail functional architecture of a GSM system. 10
- B) Explain in detail MMDS and LMDS working in WLL based technology. 10
3. A) Explain in detail IEEE 802.11 WLAN Architecture. 10
- B) Explain in detail Hidden Terminal and Exposed terminal problem with respect to WLAN. 10
4. A) Explain in wireless security offered by IEEE 802.11 in detail with neat diagram. 10
- B) Explain in detail Bluetooth Protocol architecture with neat diagram. 10
5. A) Explain Bluetooth security aspect. 10
- B) Explain WEP protocol in detail. 10
6. Write short note : 20
- a. OFDM
  - b. WLL Architecture
  - c. Satellite Systems
  - d. MACA