

Hall Ticket Number :

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**R11**

**Code: 1GA81**

*IV B.Tech. II Semester Regular & Supplementary Examinations Mar/Apr 2016*

**Management Science**

(Information Technology)

Max. Marks: 70

Time: 3 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

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- 1 Explain the important types of organization charts with their advantages and disadvantages?
2. a) Discuss the different stages in product life cycle  
b) Find economic order quantity from the following data.  
Annual demand: 4800 units.  
Unit price : Rs.300  
Cost of placing an order : Rs.50  
Storage cost : 3% per annum  
Interest Rate : 15% per annum
3. Substantiate the position of 'Customer' as per the modern marketing concept. Explain the function of marketing?
4. Define training. How should one go about identifying training needs in an organization?
5. Explain and illustrate what you understand by network analysis. How would you compare 'PERT' with 'CPM'?
6. Differentiate between horizontal and vertical growth strategy. How do these differ from concentric diversification?
7. Briefly write the following :  
(a) Management Information System (MIS)  
(b) Total quality Management (TQM)
- 8 What is the role of management in technological development? Write a short note on objectives of ethics?

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Hall Ticket Number :

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**R11**

**Code: 1G481**

*IV B.Tech. II Semester Regular & Supplementary Examinations Mar/Apr 2016*

**Software Architecture and Design Patterns**

(Information Technology)

Max. Marks: 70

Time: 3 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

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|-------|---|-----|
| 1. a) | Why Software Architecture is important.   | 5M  |
| b)    | Explain Architecture activities in the Architecture business cycle.   | 9M  |
| 2. a) | What are the methods for achieving Quality?   | 6M  |
| b)    | Discuss the different Architectural styles and patterns.  | 8M  |
| 3. a) | Briefly explain how stakeholders influence the architect.   | 6M  |
| b)    | Illustrate the process of evaluating the product line architecture.   | 8M  |
| 4. a) | Explain the roles and responsibilities involved in ATAM evaluation.   | 8M  |
| b)    | Discuss the product line Architecture.  | 6M  |
| 5. a) | Compare and contrast architectural patterns, design patterns  | 7M  |
| b)    | Explain the role of Design patterns in solving design problems  | 7M  |
| 6.    | Discuss the motivation, applicability, participants, collaborations, consequences, implementation and known uses of Builder and Singleton patterns                | 14M |
| 7.    | Draw the structure and also discuss the motivation, applicability, participants, collaborations, consequences, and implementation of observer and state patterns. | 14M |
| 8.    | Describe the three views of Celsius Tech architecture case study.   | 14M |

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Hall Ticket Number :										
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<b>R11</b>
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**Code: 1G483**

*IV B.Tech. II Semester Regular & Supplementary Examinations Mar/Apr 2016*

**Service Oriented Architecture and Cloud Computing**

( Information Technology )

Max. Marks: 70

Time: 3 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

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|-------|--|-----|
| 1. a) | Explain benefits of virtualized technology?                                    | 7M  |
| b)    | Explain in brief about utility computing?                                      | 7M  |
| 2. a) | Write brief notes on ubuntu?   | 7M  |
| b)    | Differentiate between resource virtualization and processor virtualization?    | 7M  |
| 3. a) | What is storage virtualization? Explain in brief about para virtualization?    | 7M  |
| b)    | What are storage virtualization technologies?                                  | 7M  |
| 4. a) | Explain how availability can be improved using virtualization?                 | 4M  |
| b)    | Briefly explain how does virtualization happen?                                | 10M |
| 5. a) | What is cloud computing? What are benefits and limitations of cloud computing? | 7M  |
| b)    | Explain about hardware and software infrastructure?                            | 7M  |
| 6. a) | What are the various kinds of cloud computing architecture?                    | 7M  |
| b)    | Explain in brief about on demand computing and distributed computing?          | 7M  |
| 7.    | Explain security issues in cloud computing?                                    | 14M |
| 8. a) | Write a brief notes on disaster recovery planning?                             | 7M  |
| b)    | Write a brief notes on the following   |     |
| i.    | IBM clouds   |     |
| ii.   | Oracle OBIEE   | 7M  |

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**Code: 1G485**

IV B.Tech. II Semester Regular &amp; Supplementary Examinations Mar/Apr 2016

**Network Management Systems**

( Information Technology )

Max. Marks: 70

Time: 3 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

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1. a) What are the goals of network management? Explain the functions of network management?  
b) List the problems that are common in network management system?
2. Explain how you would determine whether a device is acting as a host or a router using an SNMP command?
3. a) Explain SNMP architecture?  
b) Write SNMP protocols specifications?
4. a) Define SMI definition for SNMPV2?  
b) How to create and delete of Rows in a Table?  
c) Write a short note on SNMP Proxy server?
5. a) Remote procedure call support system provides various tools including a runtime library. What does this library contain?  
b) Explain RMON token ring extension groups?
6. a) Explain the ADSL line encoding scheme  
b) Write a short notes on
  - i) OMNI Point
  - ii) eTOM
7. a) Differentiate between physical network management and logical network management?  
b)
  - i. Describe about fault management?
  - ii. Explain about configuration management?
8. a) Describe CORBA-Based NM-Technology.  
b) Explain desktop management interface?

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