



AMOOR- V (2010 Course) : OCT. / NOV. - 2013

Subject : Software Testing
B.C.A. -I / II / III

Day : Thursday
Date : 07/11/2013



Time : 10.00 AM TO 01.00 PM
Max Marks : 70 Total Pages : 1

N.B.:

- 1) Q. No. 1 is **COMPULSORY**.
 - 2) Attempt any **FOUR** questions from Q. No. 2 to Q. No. 7.
 - 3) Each question carries 14 marks.
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- Q.1** a) What is V testing? Explain V testing model. (07)
- b) What is test case? Who is responsible for writing test cases? Explain the importance of it. (07)
- Q.2** Differentiate between -
- a) White box testing and black box testing (05)
 - b) Verification and validation (05)
 - c) Alpha and Beta testing. (04)
- Q.3** Describe the integration testing strategies in brief. (14)
- Q.4** What is debugging? Explain the process of it in detail. (14)
- Q.5** Discuss the basis path testing method with their merits and demerits. (14)
- Q.6** What do you mean by risk? Discuss the various types of risks in software project. (14)
- Q.7** Write short notes on any **TWO** of the following: (14)
- a) Testing patterns
 - b) Software inspection
 - c) Software quality
 - d) Smoke testing.



AMOOR- V (2010 Course) : OCT. / NOV. - 2013

Subject : Computer Networks-II

B.C.A. -I / II / III

Day : Saturday

Date : 09/11/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.

- 1) Q.No. 1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from Q.No. 2 to Q.No. 7.
- 3) Figures to the right indicate **FULL** marks.

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- Q.1 a) What is networking? Explain different network topologies. (07)
- b) State the functions of following devices- Hubs, Routers, Bridges, Repeaters. (07)
- Q.2 Explain e-mail system architecture in brief. (14)
- Q.3 Explain the segment frame format of TCP. State the function of each field. (14)
- Q.4 Explain the process of fragmentation and reassembly of packets in Internet Protocol. (14)
- Q.5 Describe the TCP/IP reference model in brief. (14)
- Q.6 What is Digital Signature? Explain it using public key encryption. (14)
- Q.7 Write short notes on any **TWO**: (14)
- a) Internet Protocol
 - b) Firewall
 - c) X.25
 - d) Domain Name System



AMOOR- V (2010 Course) : OCT. / NOV. - 2013

Subject : Object Oriented Programming-II

B.C.A. -I / II / III

Day : Tuesday

Date : 12/11/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) Q. No. 1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from Q. No. 2 to Q. No. 7.
- 3) Figures to the **RIGHT** indicate full marks.

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- Q.1** a) Explain different operators in Java. (07)
- b) Explain scope of public, private and protected data members with suitable example. (07)
- Q.2** Create a calculator in Java with all basic functionalities using grid layout. (14)
- Q.3** What is constructor? Explain various types of constructors in Java. (14)
- Q.4** Explain user defined exception. Use this exception to illustrate how java supports exception handling. (14)
- Q.5** Write a Java program having classes employee, manager and salesmanager using multilevel inheritance. Calculate the salary of all employees in the organization using polymorphism. (14)
- Q.6** a) Explain the process to convert data from one class object to another class object. (07)
- b) Describe different types of access specifier in Java. (07)
- Q.7** Write notes on (Any Two) (14)
- a) Static and dynamic binding
 - b) StringBuffer class.
 - c) Packages in Java



Subject : Management-V (Fundamentals of Organizational Behavior)

B.C.A. - I / II / III

Day : Friday

Date : 15/11/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) **Q.No.1 is COMPULSORY.**
 - 2) Each question carries **FOURTEEN** marks.
 - 3) Attempt **ANY FOUR** questions from **Q.2 to Q.7.**
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Q.1 a) Define "Organizational Behaviour." Explain the nature and scope of Organizational Behaviour.

b) Due to negative attitude of management, numbers of employees are leaving organization and some employees are not getting Job satisfaction. As a manager, suggest the ways to avoid this?

Q.2 Define "Motivation" and explain any two theories of motivation.

Q.3 What is perception? Explain the process of perception and factors influencing perception.

Q.4 Explain the causes and effects of conflict.

Q.5 What is "Leadership"? Explain the importance of leadership and situational theory of leadership.

Q.6 Define "Communication" and discuss the process of communication and barriers to communication.

Q.7 Write short notes on **ANY TWO** of the following:

- a) Models of Organizational Behaviour
- b) Reasons for resistance to change
- c) Managerial gird
- d) Factors influencing Job Satisfaction



AMOOR- V (2010 Course) : OCT. / NOV. - 2013

Subject : Dot NET Technologies

B.C.A. -I / II / III

Day : Monday

Date : 18/11/2013



15343

Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) Q.No. 1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from Q. No. 2 to Q. no. 7.
- 3) Each question carries **14** marks.
- 4) Draw neat and clean diagram **WHEREVER** necessary.

Q.1 Explain ADO. Net object model with diagram.

Q.2 Distinguish (Any **TWO**):

- i) Runtime error Vs. compile time error
- ii) VB Vs. VB.Net
- iii) Abstract class Vs. Interface

Q.3 a) Discuss features of VB. Net framework

b) Write console application to display shown pattern.

```
1
1 2
1 2 3
1 2 3 4
```

Q.4 a) What is static and dynamic web page? How to embed VB code in web pages?

b) 'Discuss Namespace'. What are default namespaces available in window application?

Q.5 Define generic classes and implement (any **TWO**) of the following with their basic functionalities

- i) Stack
- ii) ArrayList
- iii) Queue

Q.6 Write sectional code to add, delete, update records of employee table
Use fields Emp_no, Name, Salary to make your assumption.

Q.7 Write short note on (Any **TWO**):

- a) Validations in VB. Net
- b) Access modifiers
- c) Global assembly cache (GAC) utility

