

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

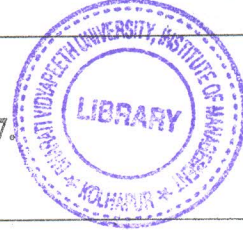
Day : Thursday
Date : 19/11/2015



Time : 02.00 PM TO 05.00 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.



- Q.1 Explain Black- Box Testing in detail. (14)
- Q.2 a) Explain various phases of software testing process. (07)
b) What is Validation Testing? Explain. (07)
- Q.3 a) Differentiate between 'testing' and 'debugging'. (07)
b) Explain V-Testing model. (07)
- Q.4 Why software Quality is necessary? Explain various SQA activities. (14)
- Q.5 a) Define the term 'risk'. Explain its various types? (07)
b) Explain the role testing in risk management? (07)
- Q.6 a) Discuss Basis Path Testing. (07)
b) Explain inspections and walkthrough. (07)
- Q.7 Write short notes on any **TWO** of the following: (14)
a) Deriving test cases
b) Testing patterns
c) Testing process
d) Testing client/server Architectures

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Subject : Computer Networks-II

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

Day : Saturday

Date : 21/11/2015

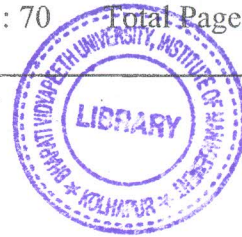


Time : 02.00 PM TO 05.00 PM

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.



- Q.1 a) What is a LAN? Explain Ethernet Standard. [07]
 b) Explain Token Ring Architecture. [07]
- Q.2 What are different switching protocols used in WANs? Explain X.25 in detail. [14]
- Q.3 Differentiate between the following: [14]
 a) Router Vs Gateway
 b) TCP model Vs OSI reference model
- Q.4 a) What are different drawbacks of IP protocol? Explain role of ICMP to overcome these. [07]
 b) What are different types of messages in ICMP protocol? [07]
- Q.5 What is a DNS? How names are assigned to a machine over internet? [14]
- Q.6 What is cryptography? What are different types of cryptography? Explain RSA algorithm in detail. [14]
- Q.7 Write short notes on **ANY TWO** of the following: [14]
 a) Digital Signature
 b) Firewalls
 c) Email System Architecture
 d) ATM

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Subject : Object Oriented Programming-II

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

Day : Tuesday

Date : 24/11/2015



Time : 02.00 PM TO 05.00 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.



Q.1 a) What are the characteristics of object oriented programming? What are the features of java? [07]

b) Differentiate between structure and class. [07]

Q.2 a) What is a function? List advantages of using functions. [07]

b) Write a program using function overloading to calculate area of circle, triangle, square and rectangle. [07]

Q.3 Explain the exception handling with an example. [14]

Q.4 a) What is a constructor? What are rules for defining constructors? [07]

b) Explain how a static member is defined and declared in java. [07]

Q.5 What is meant by operator overloading? List the operators in java that cannot be overloaded. What are the rules for operator overloading? [14]

Q.6 Explain types of inheritances supported by java with example. [14]

Q.7 Write short notes on **ANY TWO** of the following: [14]

- a) Memory management
- b) Array of Objects
- c) Reference Variable

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Subject : Management-V (Fundamentals of Organizational Behavior)

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

Day : Friday

Date : 27/11/2015

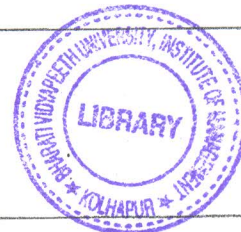


Time : 02.00 PM TO 05.00 PM

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.



- Q.1 "Participative Leaders will build healthy work culture in organizations". Justify [14]
the statement."
- Q.2 What is Organizational Behaviour? Discuss the various models of [14]
Organizational Behaviour.
- Q.3 Explain Maslow's Need Hierarchy Theory with its criticism. [14]
- Q.4 Discuss the strategies you feel a manager should adopt to overcome resistance [14]
to change from employees with examples.
- Q.5 Define "Perception" and explain factors influencing perception of individual. [14]
- Q.6 Explain path goal theory of leadership with its merits and demerits. [14]
- Q.7 Write short notes on **ANY TWO** of the following: [14]
- a) Barriers to communication
 - b) Causes of organizational conflict
 - c) Meaning of Job Analysis

Subject : Dot NET Technologies

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

Day : Monday

Date : 30/11/2015



Time : 02.00 PM TO 05.00 PM

Max Marks : 70 Total Pages : 1

N.B:

- 1) Questions No 1 is **COMPULSORY**.
- 2) Attempt **ANY FOUR** from questions No.2 to Q. No.7.
- 3) Each question carries 14 marks.



- Q.1** a) Discuss: an overview and working of Dot Net Framework with suitable diagram (If Require). (07)
- b) Illustrate: "Dot Net Framework is very much effective concern with error handling and debugging." (07)
- Q.2** Explain in details: (14)
- a) Common Dialogue Controls.
- b) Validation Controls.
- Q.3** Write a code and Implementation of Windows based application for World Cup Matches 2015. (14)
Application should have following functionalities.
- a) It should display Match schedule.
- b) Score Board of the day and Basic Statistics. (Make you own assumption for Basic statistics)
- c) User can update all the records Manually.
- Q.4** Write a code for Creation of an Object (ANY FOUR): (14)
- i) SByte ii) Int16 iii) String
iv) Exception v) Byte vi) Class
- Q.5** a) Differentiate VB and VB.net. (07)
- b) Write a code for implementation of array with basic array operations. (Using *foreach* loop) (07)
- Q.6** Explain in details use of the following basic windows Controls (ANY TWO): (14)
- a) List Box
- b) Scroll Bar
- c) Print Dialog Box
- Q.7** Write short note on (ANY TWO): (14)
- a) Base Class Library
- b) Polymorphism
- c) Types of Error