



Subject : Software Testing

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

Day : Monday

Date : 10/11/2014



Time : 10.00 AM TO 01.00 PM

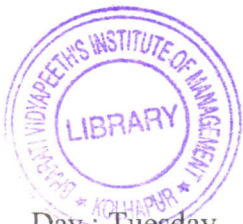
Max Marks : 70 Total Pages : 1

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.

-
- Q.1 Explain various strategies for Software Testing. (14)
- Q.2 Explain White Box testing in detail. (14)
- Q.3 a) Differentiate between testing and debugging. (07)
b) Discuss V-testing model. (07)
- Q.4 a) What are characteristics of Risk? Also explain its various types. (07)
b) Explain Graph Based Testing. (07)
- Q.5 Define Software Testing Quality. Why it is important? Also explain various SQA activities. (14)
- Q.6 Explain various testing mechanisms for real time systems. (14)
- Q.7 Write short notes on any **TWO** of the following: (14)
a) Testing process
b) Test Patterns
c) Goals of testing
d) Verification Techniques

* * * * *



Subject : Computer Networks-II

B.C.A. ~~II~~ / III

Day : Tuesday

Date : 11/11/2014



20754

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.

-
- Q.1** a) What are different problems in designing a Network Architecture? How these problems are solved by using layered? [07]
- b) What is networking? List at least five applications of networking. [07]
- Q.2** Explain the need of connecting devices. Explain Repeater, Hub and Bridges with their advantages and disadvantages. [14]
- Q.3** Differentiate between the following: [14]
- a) TCP Vs UDP
 - b) Secret key cryptography Vs Public key cryptography
- Q.4** What is the type of addressing used by transport protocol? Explain three way handshake process of connection establishing used by TCP. [14]
- Q.5** a) Explain Email System Architecture. [07]
- b) Explain Multipurpose Internet Mail Extension (MIME) protocol. [07]
- Q.6** What is Digital Signature? What are advantages of using digital signature? How digital signature can be generated using Public key? [14]
- Q.7** Write short notes on **ANY TWO** of the following: [14]
- a) Traditional Modem
 - b) ICMP
 - c) DNS
 - d) X.25



Subject : Object Oriented Programming-II

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

Day : Wednesday

Date : 12/11/2014



20755

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.

-
- Q.1** a) What do you understand by object orientation? Write any four features of Java. (07)
b) Write a Java program to display Fibonacci series. (07)
- Q.2** Explain exception handling in java with appropriate example. (14)
- Q.3** What is an array? Explain its types with suitable example. (14)
- Q.4** Explain the concepts of: (14)
i) Class ii) Objects
iii) Methods iv) Packages
- Q.5** a) Write a java program to check whether an entered string is palindrome or not? (07)
b) Write a program in java to implement interface 'Shape' to classes 'Triangle' and 'Circle'. (07)
- Q.6** a) Explain different control structures in java. (07)
b) What is Inheritance in Java? Explain in detail. (07)
- Q.7** Write short note on **ANY TWO**: (14)
a) Difference between method overriding and overloading
b) StringBuffer class in java
c) JVM
d) Constructor

* * * * *



Subject : Management-V (Fundamentals of Organizational Behavior)

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

Day : Thursday

Date : 13/11/2014



20756

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.
-

- Q.1** Your organisation has implemented new attendance system for employees. Employees are resisting new system of attendance. As a HR Manager, how would you solve this issue?
- Q.2** Define Organisational Behaviour and explain models of Organisational Behaviour.
- Q.3** What is leadership? Explain any two theories of leadership.
- Q.4** Explain various factors influencing job satisfaction of an employee.
- Q.5** "Conflict will damage the unity of group". Discuss this with proper reasons.
- Q.6** Explain the modern communication tools used by managers in this competitive world.
- Q.7** Write short notes on **ANY TWO** of the following :
- a) Factors influencing perception
 - b) Causes of Resistance to change
 - c) Group decision making
 - d) X and Y theory



Subject : Dot NET Technologies

B.C.A. I / II / III

Day : Friday

Date : 14/11/2014



20757

Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

NB:

- 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.

Q.1 a) Write brief note on ADO. Net components.

b) Which are the types of Assemblies? Discuss in detail.

Q.2 Differentiate (**ANY TWO**):

- a) VB and VB. Net
- b) Tabs Vs. MDI
- c) Event Driven Programming and Object Oriented Programming

Q.3 Write VB code to perform basic mathematical operations with the help of conditional and switch case statements. (Draw Design If Necessary)

Q.4 a) Explain access modifiers in Net.

b) Discuss: Try... Catch.... Block with suitable example.

Q.5 a) Write a comprehensive note on inheritance in Vb.Net environment.

b) Explain string and date data type along with different operations associated with these data type.

Q.6 Write a single method to swap two integers. The client code should call the method and print the swapped values. (by using *read* key word)

Q.7 Explain in brief: (**ANY TWO**)

- a) Basic Windows Controls
- b) Garbage collections in Net
- c) Functions of CLR.