

## **BCA VTH SEMESTER**

### **Course: BCA-311 Information System Analysis and Design**

#### **Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

#### **Question 1:**

- a) Define Data modeling and process modeling in brief.
- b) (i) What do you mean by the word “software quality”? Explain in brief.  
(ii) Define project scheduling in brief.

#### **Question 2:**

- a) Explain the following:
  1. ISO.
  2. Object modeling.
  3. Dynamic modeling.
  4. Object oriented data bases.
- b) What do you understand by the term “Object oriented analysis and design”? Explain in brief.

### **Course: BCA-312 Advance Computer application**

Assignment No: 2

Due date of submission: 10-Nov-2016

#### **Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.

3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q-1-

- (a) What do you mean by data marts in Data Warehousing? Explain with examples.
- (b) Explain the architecture of Data Warehouse.

Q-2- Define following terms with examples:

- (a) Data Mining.
- (b) OLTP and OLAP.
- (c) Tools of Data Warehousing.
- (d) Knowledge Management System.

**Course: BCA-313 Web technologies**

Assignment No: 2

Due date of submission: 10-Nov-2016

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Q-1

- (a) Discuss e-mail and its features.
- (b) Discuss the history of web search engines.

Q-2

- (a) Prepare your resume using html code.
- (b) What are the parts of xml document?

**Course: BCA-314 JAVA PROGRAMMING**

Assignment No: 2

Due date of submission: 10-Nov-2016

**Instructions**

1. Write the responses to the assignment in your own handwriting.
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3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q-1-

- (a) What is the significance of Applets in JAVA Language? Explain with examples.
- (b) Define Servlet in JAVA Language? Explain the Life cycle of a servlet.

Q-2-

- (a) Write a program of Pascal triangle using dynamic array.
- (b) Define the following terms with proper examples:
  - (i) Inheritance with its types.
  - (ii) Multithreaded Programming with example.

**Course: BCA-315 Computer Network Security**

**Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

**Question 1:**

a) Define Web security. Explain the important terms used in computer security.

b) Write Short note on the following:

- 1) Decryption.
- 2) Plaintext.
- 3) Cryptanalysis.
- 4) IP security Architecture.

**Question 2:**

a) Explain the following:

1. Firewall.
2. *Pretty Good Privacy (PGP)*.
3. Configuration Management.
4. Intruders.

b) Differentiate between modern and classic cryptography.