

Instructions for writing assignments for Third year BSc Computer Science/BCA

1. Assignment should be written in assignment paper, in one side only.
- 2.. There are Assignment 1 & Assignment 2 for each subject.
3. Front sheet in the name of ' School of distance education' ,should be kept for each paper(subject).
4. Assignments of all papers(subjects) should be kept in an envelope and' From address' & ' To Address' must be mentioned.
5. The assignment should reach to **The Co-ordinator,BSc computer Science/BCA ,School of Distance Education,University of Kerala** -on or before **April 10,2017**.

Assignment fee without fine is Rs.100/- and should be paid in University cash counter or through Friends counters on or before 10.04.2017

6. After fee payment write the enrollment number in the back side of original receipt. **Copy of the receipt should be kept inside the envelope while submitting the assignments. Enrollment number should be specified in copy of the receipt also.**

Assignment Topics Third Year BSc Computer Science/BCA

(2014-17) batch

Paper 1:Software Engineering

Assignment 1

- 1.Explain the spiral model for software development.
- 2.Discuss the various umbrella activities performed in the software process.
- 3.Explain the various metrics for software measurement.
- 4.Explain COCOMO model for software cost estimation.
- 5.Explain different types of coupling with suitable examples.
6. Differentiate transform analysis and transaction analysis.
- 7.Describe various characteristics of E-R diagram.
- 8.Describe various characteristics of DFD

Assignment 2

- 1.Discuss in detail the various object oriented design concepts.
- 2.write a short note on automated testing tools.
- 3.Explain various software quality assurance activities.
- 4.Explain any three principles for data specification.
- 5.Differentiate between black box testing and white box testing.
- 6.Explain any two white box testing methods.
- 7.Describe various black box testing methods in detail.

Paper 2:Internet & Web

Assignment 1

- 1.Write brief notes on history of Internet.

2. Discuss about the global internet concept and global information infrastructure

3. Differentiate packet switching with circuit switching in internet.

4. What are the different devices to set up an internet connection. Briefly explain each.

Assignment 2

1. Explain basic HTML tags with example programs with output

(Text tags, Paragraph, formatting tags, lists, table, color tags, anchor tags, creating links, frames and forms)

2. Write short notes on basic data types and control structures used in java script.

Paper 3: Computer Graphics

Assignment 1

1. Write notes on plotters and hardcopy devices.

2. Input devices (Digital tablet, Mouse, Data glove, Light pen, Touch panels, Image scanners).

Assignment 2

1. Multimedia hardware (CD-ROM, Microphone, video Camera, speaker, Soundcards, DVD, MIDI, Multimedia)

Paper 4: Computer Networks

Assignment 1

1. Error detection and correction mechanisms

Assignment 2

1. Congestion control Algorithms

2. Domain Name System (DNS)

Paper 5: Programming in Java

Assignment 1-

1.Find the largest among the the two inputted numbers,using function overloading concept(input float values and int values)

2.Write a menu driven program to perform string operations

1.string input

2.string concatenation

3.string operations

4.appending a string using built-in functions

Assignment 2

1. Write a short note on IO Packages with example.

2. Write notes on how to find a file, perform file operations using standard streams.

3.a.Write a menu driven program to find the average of n numbers inputted by the user from keyboard.

b.Calculate the area and volume of a cube using default constructor and apply classes,object concept

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ASSIGNMENT

Course : ----- (Previous/Final) -----

Year of admission: -----

Paper Code : -----

Title of the Paper : -----

Name and Address of the Contact Centre

SDE Enrolment Number

Exam Register Number (Compulsory)

Name and Address of the Student

Student's Name: -----

Address: -----

Phone No: -----

Mobile : -----

Date of Submission: _____

FOR OFFICE USE ONLY

Marks Awarded

~~20~~

Name and Signature of the Evaluator