Shri D.N.INSTITUTE OF COMPUTER APPLICATION, ANAND

FIRST INTERNAL EXAMINATION - 2011 **Date : 17/10/11**

BCA – 301 Management Information System(MIS) **Max Marks : 40**

Time 1:30 Hours

Que - 1 **Attempt any two** **[13]**

a. What are the main areas of knowledge require for MIS design. Draw the diagram and explain.

b. What problems have been found from survey of MIS ? What are the functions of MIS ?

c. What are the different Office Support System (OSS). Explain telecommunication systems.

d. Write a short note on.

I. Data Processing System

II. Decision making techniques.

Que - 2 **Attempt any two** **[14]**

a. Differenciate between.

I. Data and Information.

II. Formal Source and Informal Source.

III. Hard and Soft Communication.

b. What is relevant information for a manager? How information can be classified? What are the functions performed by information.

c. Explain the characteristics of good information.

d. What is communication system? What are the element of communications system? What is good communication?

Que - 3 **Attempt any two.** **[13]**

a. What are the types of planning done at different levels of planning at organization ? Briefly explain each of them.

b. "Without planning, organization can be out of control". Explain the statement.

c. Define the following.

I. Objective

II. Boundary and interface

III. Policy

IV. Hard and Soft property

V. Planning

d. Write a short note on.

I. Closed and open systems

II. Gap analysis

III. Decupling

~~~~~ : **Best Of Luck** : ~~~~~
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Shri D.N. INSTITUTE OF COMPUTER APPLICATIONS
FIRST INTERNAL EXAMINATION 2011-12
T.Y.B.C.A
BCA 302 || Visual Basic Programming

Date: 18/10/2011 Marks: 40

Q:1 Answer the following Questions. (Any Two) **[13]**

A What do you mean by Event-driven programming language? Explain the features of Visual Basic.

B Write note on Visual Basic IDE.

C Write a note on function and subroutine.

D Explain msgbox & Inputbox in detail.

Q:2 Answer the following Questions. (Any Two) **[14]**

A Differentiate following.

1) option button and checkbox

2) combo box and list box

B Write a note on visual basic forms. Explain its properties and methods.

C What do you mean by intrinsic control? List intrinsic controls provided by VB and explain any two from them.

D Explain following functions with example.

1) mid( ) 2) Isnumeric( ) 3) dateadd( )

Q:3 Answer the following Questions. (Any Two) **[13]**

A What is an array? Explain different types of arrays in VB. Also Explain UBound() and LBound().

B What is Status bar? Explain its different available STYLE.

C Explain RichTextBox control. How it is differ from conventional TextBox.

D Explain following advance controls.

1) DTPicker
2) Monthview

Shri D.N.Institute of Computer Applications
First Internal Theory Exam 2011
T.Y.B.C.A.
BCA -303 || Computer Graphics and Multimedia Applications

Date: 19/10/2011 Total Marks: 40

Q-1 Attempt any two. [14]

[A] Discuss different major application areas of Computer Graphics.

[B] Explain color CRT monitors.

[C] Write a Note on Working of CRT.

[D] Write a Note On Printer.

Q-2 Attempt any two. [13]

[A] Explain an algorithm to draw a Line using Bresenham approach with example.

[B] Describe all Line attributes.

[C] Differentiate between:
1.Bitmap Font and Outline Font
2. DDA and Bresenham Line Drawing Algorithm.

[D] Write a note on following.
1. Inside-outside test
2. Boundry fill Algorithm

Q-3 Attempt any two. [13]

[A] Define the term Multimedia and Explain various facets of Multimedia.

[B] Define Digital Audio and Explain main types of Audio cards used in Multimedia application and Advantage of going digital Audio.

[C] Describe User Level and Professional Level Cards.

[D] Explain Audio editing technique.

::Best Of Luck::

Shree D.N. Institute of Computer Applications.
First Internal Theory Examination (2011 -2012)
T.Y.B.C.A

Subject Name : Software Engineering | Subject Code : BCA-304
Time: 1.30 hrs. | Total Marks : 40

Q-1 Attempt any two from followings. [13]

(A) Explain waterfall model with limitations.

(B) List out phases of software development and explain any two from them.

(C) Write a detail notes on spiral model.

(D) Explain quality metrics in detail.

Q-2 Attempt any two from followings. [14]

(A) What is SRS? Explain characteristics of SRS in detail.

(B) Explain components of SRS in detail.

(C) Write a short note on (1) Structure Analysis (2) decision table.

(D) List out various methods for SRS validation and explain them in detail.

Q-3 Attempt any two from followings. [13]

(A) Explain COCOMO model with example.

(B) List out methods of project monitoring and control and explain any two in detail

(C) Write a short note on: (1) Project Scheduling (2) Software Quality Assurance plan.

(D) What is Software Configuration Management? Explain various steps used in SCM in detail.

Best Of Luck...

Shri. D. N. Institute of Computer Applications

First Internal Exam || T.Y. B.C.A.

BCA 305 (Object Oriented Technology using JAVA)

Date: 21/10/2011 **Marks: 40**

Q. 1 **Attempt any two:** **[14]**

[A] What is JAVA? What are the features of JAVA?

[B] Explain JAVA program structure. How JAVA differs from C / C++?

[C] Write a short note on JAVA history. Explain JAVA Operators.

[D] Explain Tokens and Data types in JAVA.

Q. 2 **Attempt any two:** **[13]**

[A] Explain decision making and looping statements in JAVA.

[B] Write a short note on following keyword with example

[1] static [2] final [3]abstract

[C] Differentiate between method overloading and overriding.

[D] What is class and object? Explain use of this and super keyword with example.

Q. 3 **Attempt any two:** **[13]**

[A] Explain one dimension and two dimension arrays in JAVA. Declare and initialize 3-D array having [4][3][2] dimensions with values 1to24.

[B] Explain String class and it's any 7 methods.

[C] How to create and implement Interface?

[D] How to create and manage user define exception? How throw and throws keyword used with it explain.

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Shri D.N.Institute of computer Application, ANAND
1st Internal Examination 2011-12
TYBCA || BCA306 (Operating System)

Date: 22/10/2011 **Total Marks : 40**
Time: 1.30 hours

Q-1 Answer the following questions. (Attempt any two) **[13]**

A Explain Virtual machine in brief.

B What is OS? Explain functions of OS in brief. .

C Explain Real-time OS. Also write difference between various types of real-time OS.

D Explain following in brief.
(1) Difference between file hierarchy and process hierarchy
(2) Command Interpreter

Q-2 Answer the following questions. (Attempt any two) **[14]**

A What is Process? Explain Process state in detail along with Task Control Block.

B What is a disadvantage of SJF scheduling algorithm? Explain how to resolve it. Also calculate Average waiting time using SRT.

Process	Arrival-time	CPU-time
P1	0	7
P2	2	1
P3	4	2
P4	0	5
P5	2	3
P6	7	5

C Solve following example using **Preemptive Priority** and **Preemptive FCFS scheduling algorithm**.

Process	Arrival-time	CPU-time	Priority	Time-Quantum
A	2	5	5	**3 m/sec**
B	5	1	1	
C	0	9	6	
D	3	4	3	
E	2	6	4	

Q-3 Answer the following questions. (Attempt any two) **[13]**

A Explain **grep** command with all its attributes using examples.

B Why Linux is known as Rock solid, Secure and open source? Explain in brief.

C Explain Linux file Hierarchy in brief.

E Explain following commands in brief.
(1) ls -l (2) sort

Best Of Luck