

QUESTION PAPER FOR EXTERNAL EXAMINATIONS

BA/ B Sc. (Composite)

Annual -2012

Sub: Computer studies

Course Title: Computer Studies

Paper: - A

Time Allowed: 03:00 Hours

Maximum Marks: 70

Pass Marks: 33%

Notes:

- 1- Question #1 in part and Question #5 in Part-II are compulsory.
- 2- Attempt two of the remaining three question in part - I and part – II.

Part-I (Introduction to Information Technology) Max Marks: 35

Question#1 (Do all Parts in this Question)

Answer for all parts in question#1 must be written on the answer sheet. Write on the answer sheet that part number and your selected answer letter e.g. (A or B or C or D) against it. No need to write question on answer sheet.

Multiple Choice Questions: Choose the correct option. Only one option is correct. Cutting and overwriting in this question will be considered wrong.

- 1 A computer converts data into -----
 - a) Information
 - b) Software
 - c) Charts
 - d) Input/output
- 2 You can use this output device when you need only to see information.
 - a) Disk
 - b) Monitor
 - c) Speaker
 - d) Modern
- 3 A CPU that is following a series of steps to complete an instruction is using -----
Technology.

- b) Pipelining
 - c) Cache
 - d) Multitasking
- 4 A -----can perform both input and output functions.
- a) Trackball
 - b) Communication Device
 - c) Microphone
 - d) CPU
- 5 The term ----- refers to sharpness or clarity of an image.
- a) Width
 - b) Resolution
 - c) Dot Pitch
 - d) Depth
- 6 The ----- of a hard disk contains a small program that runs when you start the computer.
- a) Boot Sector
 - b) File System
 - c) File Allocation Table
 - d) File Cluster
- 7 In a worksheet, a ----- is the intersection of row and column.
- a) Formula bar
 - b) Ruler
 - c) Cell
 - d) Frame
- 8 What type of operating System allows Multiple users to connect over the network to a special server and work with their programs in a separate session, and allows each users

- a) Single Users/ Multiple Customers
 - b) Multi Users/ Multi Tasking
 - c) Real Time
 - d) Single User / Single Tasking
- 9 A ----- is an agreed upon format for transmitting data between two devices.
- a) Protopology
 - b) Prototype
 - c) Protoplasm
 - d) Protocol
- 10 Sockets and Winsock are example of ----- type software.
- a) VCR
 - b) DSL
 - c) IPX
 - d) API

Attempt any Two out of Question # 2,3 and 4. All questions Carry equal marks.

Question#2

What is the purpose of an output device? Explain the different features of CRT and LCD monitors.

Question#3

Why computers need memory modules? Explains the features of Registers, Cache and RAM.

Question#4

What are the advantages of the computer network? Explain some common types of networks.

Question#5: (Do all parts in this Question)

(Marks: 10)

Answer for all the parts in Q#5 must be written on the answer sheet. Write on the answer sheet that part number and your selected answer letter e.g. (A or B or C or D) against it. No need to write question on answer sheet.

Multiple Choice Questions: Choose the correct option. Only one option is correct. Cutting and overwriting in this question will be considered wrong.

- 1 In Visual Basic, a form is another name for a (n) -----.
 - a) Object
 - b) Property
 - c) Window
 - d) Label
- 2 Which of the following is not a visual basic control?
 - a) Control Button
 - b) Variable
 - c) Forms
 - d) Text Box.
- 3 An Event is a (n):
 - a) Activity performed by computer regularly
 - b) Function that executes automatically
 - c) Block of Code in Program
 - d) None
- 4 What is the value of the X after the following statement?
Dim x as Integer x=0 x=x+30
 - a) 0
 - b) 30
 - c) 33
 - d) None

- 5 Which of the following is the correct name of variable in VB?
- a) Vari' Name
 - b) Variable Name
 - c) 100 bye
 - d) All of above are correct
- 6 To display a message, ----- function is used.
- a) Input Box
 - b) MsgBox
 - c) Message
 - d) None
- 7 Which of the following reverses the Boolean value of a relational expression?
- a) But
 - b) Not
 - c) Or
 - d) And
- 8 Which of the following Return True if A = 25 and B = 35:
- a) A+B
 - b) A<>B
 - c) A>=B
 - d) A=B
- 9 A statement Block can consists of how many lines?
- a) 0
 - b) 2
 - c) Unlimited
 - d) At most 255

10 Which of the following statements allocates an array of dozen integers?

- a) Dim Arr (dozen) As Integer
- b) Dim Arr (12) As Integer
- c) Dim Arr (11) As Integer
- d) Dim Arr (13) As Integer

Attempt any Two out of Question # 6,7 and 8, All question carry equal marks.

Question#6

What is meant by structured programming? Describe Event procedures, Sub Procedure, Function Procedure and Modules. Also give one coding Example for each type of the procedure.

Question#7

Write VB 6 program that takes N numbers as input. It prints the maximum number and its frequency (number of occurrences). Two samples runs of the programs are given below.

Sample Run-1:

Input

N=10

The ten numbers are as follows:

7 20 -1 65 36 90 78 -2 90 90

Output

Maximum number is: 90

Frequency of maximum is: 3

Sample Run 2:

Input

N=12

The 12 Numbers are as following

23 45 67 56 -90 67 44 67 12 37

Output

Maximum Number is 67
 Frequency of Maximum is: 4

Question#8:

Write a program that reads 10 numbers from the users and stores them in any array. Print the numbers in ascending order. A sample run of the program is given below:

Sample Run:

Input

7 8 90 34 2 9 12 1 10 32

Array:									
7	8	90	34	2	9	12	1	10	32

Output

Numbers in descending order:

1 2 7 8 9 10 12 32 34 90