GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

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 """"
   a) Threading
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 to run multiple program.
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) Prototopology  
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.
Part-II (Computer Programming)                       Max Marks: 35

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:

Output

Numbers in descending order:

1  2  7  8  9  10  12  32  34  90