

**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 -----  
Technology.
  - 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) 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