

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-I)

Annual 2017

Subject: Computer Studies

Paper: (I)

Course Code: CSS-301

Objective Part:

Course Title: Introduction to I.T& Computer Programming

Time Allowed: 30 mints

Marks: 20

Pass Marks: 33%

Note:- Question no 1 compulsory. Choose the correct options. Only one option is correct. Cutting and overwriting will be considered wrong.

Question#1 (Do all parts in this Question)

(20)

1. Debug is the process of

- (a) Creating Bugs (b) Identify and Removing Bugs (c) Identify Errors
(d) Removing Errors

2. Which of the following is valid assignment statement?

- (a) a=100; (b) c=a+b; (c) x=c-d+10; (d) All

3. Which of the following operators work with one operand

- (a) Unary (b) Binary (c) Ternary (d) None

4. Which choice has the highest precedence order when computing an expression?

- (a) () (b) - (c) * (d) /

5. What is the value of x when int x=0; and x=x+30; after execution

- (a) 0 (b) 30 (c) 33 (d) None

6. Another name for keywords is

- (a) Reserved words (b) Comments (c) Special words (d) None

7. -16%4 is

- (a) 0 (b) 4 (c) 12 (d) -4

8. The = operator in C language indicates

- (a) Assignment (b) Subtraction (c) Equality (d) None

9. Associativity is either right to left or

- (a) Left to right (b) Top to Bottom (c) Back to front (d) None

10. The expression 3%5 has value equal to

- (a) 3 (b) 5 (c) 0 (d) None

11. Conditional operator takes

- (a) Three operands (b) Two operands (c) One operand (d) None

12. All of the followings are relational operators EXCEPT

- (a) != (b) || (c) = (d) >=

13. The name for screen clarity

- (a) Pixel (b) Resolution (c) Density (d) Picture quality

14. Step by step instructions that run the computer are called

- (a) Hardware (b) Documents (c) CPU (d) Software

15. Which storage medium has the greatest storage capacity?

- (a) CD ROM (b) Tape cartridge (c) Diskette (d) Zip disk

16. Pixel is short for

- (a) Page edit (b) Place edit (c) Picture elements (d) Picture elements

17. Which of the following is not a peripheral device?

- a) Speaker b) Printer c) Motherboard d) Scanner

18. A bit can represent how many different values:

- a) 0 b) 1 c) 2 d) 3

19. Most applications of robotics are in which area

- a) Sciences b) Manufacturing c) Education d) Farming

20. CAL stands for

- a) Computer Aided Leading b) Computer Aided Learning
c) Computer Assistant d) None

Model Paper

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BA/B.Sc (Part-I)

Subject: Computer Studies

Paper: (I)

Annual 2017

Course Code: CSS-301

Subjective Part:

Course Title: Introduction to I.T& Computer Programming

Time Allowed: 02:30 Hours

Marks: 50

Pass Marks: 33%

Note:- This paper consists of two Sections I and II. Attempt at least two questions from each Section. All questions carry equal marks.

Section-I (Introduction to Information Technology)

Note: Attempt Two Question from each Section

Question#2

(12.5)

- Enlist and explain the five advantages of using Internet.

Question#3

(12.5)

- What do you know about RAM? Briefly explain its types.

Question#4

(12.5)

- Bus is a term used in computer for communication of signals between different devices. Discuss types of buses and its processing relationships.

Section-II (Computer Programming)

Question#5

(12.5)

- What do you know about Local and global variables. Discuss briefly the scope and lifetime of the global variables during program execution in visual basic.

Question#6

(12.5)

- What do you know about an array? Write a program to find the largest number from an array using visual basic.

Question#7

(12.5)

- What is the usage of loops in programming languages? Display first ten even numbers using a loop using visual basic.

Model Paper

GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD

BA/B.Sc (Part-II)

Subject: Computer Studies

Subjective Part:

Time Allowed: 02:30 Hours

Paper: (II)

Course Title: DBMS - Operating system & Network

Marks: 50

Annual 2017

Course Code: CSS-401

Pass Marks: 33%

Note:- This paper consists of two Sections I and II. Attempt at least two questions from each sections. All questions carry equal marks.

Section-I (Database management System)

Note: Attempt Two Question from each Section

Question#2

(12.5)

The following table represents the set of attributes found in a university database. Note that students attend one course and can take any unit during the course. A unit may be presented as part of any course and is always given by one particular lecturer. You are required to normalize this database upto third level.

StdID	StdName	Course ID	Course Length	Unit Code	Unit Name	Teacher Name
201	Ali	C203	1	U49	Database II	Ashraf
				U85	Programming	Irfan
203	Saleem	A104	4	U88	Algorithms	Naveed
				U49	Database II	Ashraf
				U23	Business I	Rauf
207	Naqash	B203	3	U10	Business II	Abid
				U48	Database I	Zahid
209	Mazher	B323	2	U10	Business II	Abid
				U88	Algorithms	Naveed

(12.5)

Question#3

What is the information system life cycle? Also discuss database application system life cycle in detail.

Question#4

What are the implications of the database approach?

(12.5)

Section-II (Operating Systems and Networks)

Question#5

(6+6.5=12.5)

- File system is collection of files and variety of other objects that share many of the properties of a file. Discuss directory structure in detail.
- Deadlock occurs when each process or a set of processes controls a resource that another process in the set has requested. What are conditions that a process must hold for the occurrence of deadlock. Also provide suggestion for deadlock prevention. (Ch#3,P#59)

(6+6.5=12.5)

Question#6

- What do you know about TCP/IP? Briefly explain its architecture and discuss protocols operates on each level.
- Explain the impairments faced by signals when transferred through guided medium.

Question#7

(12.5)

Write down short note on the followings

- Process Control Block
- Virtual Circuit