

12. (a) What are the different looping statements used in C-programming ? Explain 'For' loop with syntax and example. 6

- (b) Write a program in C to find roots of quadratic equation. 6

**OR**

13. (a) Explain the following with suitable example :

(i) scanf ( );

(ii) printf ( ); 6

- (b) Explain the following statements used in C-language with syntax :

(i) switch ( ).....

(ii) while ..... 6

**AP-405**

**B.Sc. Part-I (Semester-I) Examination**  
**1S : COMPUTER APPLICATION (Voc.)**  
**(Fundamentals of Computer Applications)**

Time : Three Hours]

[Maximum Marks : 80

**N.B. :—** (1) All questions are compulsory.

(2) Question No. 1 carries 8 marks and all other questions carry 12 marks each.

(3) Assume suitable data wherever necessary.

1. (a) Fill in the blanks :

(i) ASCII stands for \_\_\_\_\_.

(ii) \_\_\_\_\_ is a LIFO structure.

(iii) FTP stands for \_\_\_\_\_.

(iv) URL stands for \_\_\_\_\_. 2

- (b) Select correct alternatives and rewrite the following :

(i) GUI stands for \_\_\_\_\_.

(a) Greater user interface

(b) Graphical user interface

(c) Both (a) and (b)

(d) None of these

(ii) DVD stands for \_\_\_\_.

- (a) Data Variable Drive
- (b) Database Value Disk
- (c) Data Variable Disk
- (d) Digital Video Disk

(iii) \_\_\_\_ provides the user interface and control the computer resources and runs programs.

- (a) Drivers
- (b) Operating System
- (c) Desktop
- (d) None of these

(iv) \_\_\_\_ stands for Modulator and Demodulator.

- (a) Modulator
- (b) Modem
- (c) MAN
- (d) None of these.

2

(b) Write push and pop algorithm for stack.

6

**OR**

9. (a) Explain types of programming languages.

6

(b) Write an algorithm for bubble sort.

6

10. (a) What is data type ? Explain basic data types in C.

6

(b) Explain bitwise operators in C with example.

6

**OR**

11. (a) Find out the values of X and Y :

(i)  $X = 5 ;$

$Y = ++X ;$

(ii)  $X = 5$

$Y = X++ ;$

(iii)  $X = 5 ; Y = 2$

$Y += X ;$

6

(b, Explain arithmetic and logical operators used in C with suitable example.

6

- (c) Answer in **one** sentence :
- (i) What is Compiler ?
  - (ii) What is Interpreter ?
  - (iii) What is Modem ?
  - (iv) What is Operating System ? 4
2. (a) Define Computer and give its characteristics. 6
- (b) Explain impact and non-impact printers. 6

**OR**

3. (a) What do you understand about mini, micro and super computer ? 6
- (b) Explain :
- (i) Scanner
- 
- (ii) Modem. 6
4. (a) Explain the following terms with example.
- (i) Binary Number System
  - (ii) Octal Number System
  - (iii) Hexadecimal Number System. 6

(b) Explain the following :

(i) Booting Process

(ii) Features of O.S. 6

**OR**

5. (a) What is Number System ? Explain Hexadecimal Number System with example. 6

(b) Explain, how to customize desktop. 6

**UNIT-III**

6. (a) What is meant by Domain Name ? Explain. 6

(b) Explain the following :

(i) FTP

(ii) Search Engine. 6

**OR**

7. (a) Explain the types of Internet Connection. 6

(b) What is Internet ? Explain various services of Internet. 6

8. (a) Define flow char. Draw a flow to find the smallest among three given numbers. 6