

C.U.SHAH UNIVERSITY

WADHWAN CITY

University (Winter) Examination -2013

Subject Name: -Programming in C

Course Name :PGDCA Semester-I

Duration :- 2:30 Hours

Date : 04/12/2013

Instructions:-

- (1) Attempt all Questions of both sections in same answer book / Supplementary.
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places.
- (5) Assume suitable & Perfect data if needed.

SECTION-I**Q. 1 Attempt the following.**

- | | |
|--|---|
| a) Write a note on C program structure. | 2 |
| b) Explain increment and decrement operator. | 2 |
| c) Write a note on symbolic constant. | 2 |
| d) Explain conditional operator. | 1 |

Q. 2 Answer the following.

- | | |
|---|---|
| a) Explain conditional and logical operators with suitable example. | 5 |
| b) Explain nested if-else statement with suitable example. | 5 |
| c) Explain any one entry controlled loop with suitable example. | 4 |

OR

- | | |
|--|---|
| a) Explain the process of declaring and initialization of 2D array with example. | 5 |
| b) Explain nested for loop with suitable example. | 5 |
| c) Explain any two string handling function with example. | 4 |

Q. 3 Answer the following.

- | | |
|---|---|
| a) Write a C program to input any string and print following. | 7 |
| e.g. Input string : pgdca | |
| Output : p | |
| pg | |
| pgd | |
| pgdc | |
| pgdca | |
| b) Write a C program to create array of 5 elements and input data. Pass this array to UDF and find minimum element. | 7 |

OR

- | | |
|---|---|
| a) Write a program to input data in 3 x 3 arrays and find maximum. | 7 |
| b) Write a program to print following series. | 7 |
| 1 4 3 16 5 36 7 64 9 100 | |

1/2



SECTION – II

Q. 4 Attempt the following.

- a) Define UDF and pointer. 2
- b) What is File and file modes. 2
- c) Explain union with suitable example. 2
- d) What is function prototype. 1

Q.5 Answer the following.

- a) What is structure ? Explain array of structure by example 5
- b) What is recursion ? Explain with suitable example. 5
- c) Explain getch() and putc () functions with suitable example. 4

OR

- a) What is pointer ? Explain pointer to string with suitable example. 5
- b) Explain storage classes available in C. 5
- c) Explain bit-field. 4

Q. 6 Answer the following.

- a) Write a C program to input any string and print its length and reverse string. 7
e.g. Input string : pgdca
 output : 5
 acdgp
- b) Write a C program to input three nos. and find maximum using UDF with return values. 7

OR

- a) Write a C program to input 10 Nos. and store it into XYZ.TXT file and print only odd nos. by reading XYZ.TXT file. 7
- b) Write any C program that demonstrates the use of call by reference. 7

*****4*****

