

IPU MCA Semester 1 - Programming In C - End Term Q Paper (2015)

END TERM EXAMINATION FIRST SEMESTER (MCA) DEC 2015 - JAN 2016 PROGRAMMING IN C

Question 1: Explain briefly.

- (a) Differentiate between do while and while loop.
- (b) Differentiate between structures and union.
- (c) Differentiate between variables and constants.
- (d) Differentiate between malloc () and calloc()

Question 2: Define GCC utility. Why do we use it? Explain using an example

Question 3:

- (a) What is data type? Discuss various data types used in C language
- (b) Write a program to explain the use of break and continue statement.

Question 4:

- (a) What are pointers? Explain with example.
- (b) Explain Pointers to pointers to array and array of pointers.

Question 5: What is output of the following code and explain it main ().

Question 6:

- (a) Write any four string handling functions with examples.
- (b) Write a program that reads a file and counts the characters, spaces, tabs and new line in the file.

Question 7: Define file accessibility and directories regarding LINUX into C.

Question 8: Write short notes on any two:

- (a) Process control
- (b) *getc* () and *putc* ()
- (c) *scanf* () and *printf* ()