



Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Program: INTG-BBA-MBA

Semester: III

Subject/Course: Introduction to Programming

Max. Marks: 100

Course Code: DSIT2015

Duration: 3 Hours

Instructions:

SECTION A
10Qx2M=20Marks

| S. No. | | Marks | CO |
|--------|--|-------|-----|
| Q 1 | Statement of question | | CO1 |
| 1) | What is a computer? | | |
| 2) | What are the Characteristics of a Computer? | | |
| 3) | Draw the basic block diagram of Computer. | | |
| 4) | What is Memory Hierarchy? Explain | | |
| 5) | What is a Software? What are its different types? | | |
| 6) | What are different types of Number Systems? | | |
| 7) | What is a Flowchart? | | |
| 8) | What is a Pseudo Code? | | |
| 9) | What is an Algorithm? | | |
| 10) | What are different types of Memories? Explain briefly. | | |

SECTION B
4Qx5M= 20 Marks

| Q | Statement of question | | CO4 |
|----|--|--|-----|
| 1) | Convert the following: - i. $(234)_{10} = (?)_{16}$ ii. $(865)_5 = (?)_{10}$ | | |
| 2) | Write a C program to check whether a number is positive or negative. | | |
| 3) | Differentiate between break and continue statement by taking suitable example. | | |
| 4) | Differentiate between arithmetic and relational operators with help of a suitable example. | | |

SECTION-C
3Qx10M=30 Marks

| Q | Statement of question | | CO4 |
|----|--|--|-----|
| 1) | Write a C Program to calculate average of three numbers using function. | | |
| 2) | Write a program to find area and circumference of a circle. | | |
| 3) | What are different types of logical operators. Differentiate between array and variable. | | |

SECTION-D
2Qx15M= 30 Marks

| Q | Statement of question | | CO2 |
|----|---|--|-----|
| 1) | What are loops? What is the significance of using them while programming? Describe different types of loops with examples. Print table of 4 using different types of loops. | | |
| 2) | What are Decision-Making statements? What is the significance of using them while programming? Describe different types of decision-making statements with help of suitable examples. | | |