

Enrolment Number: 2346051722

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.TECH MID SEM EXAMINATION WINTER 2023-24

SUBJECT NAME (CODE): CTSD-1 (303105104)

BRANCH: All

DATE: 23/11/2023

TIME: 10:30 AM to 12:00 PM

TOTAL MARKS: 40

Sr. No.

Marks

Q.1 (A) Compulsory Question (5 MCQ)

05

1. ----- is a User-defined data type.

- a. int
- b. float
- c. typedef .
- d. string

2. Choose a C Conditional Operator from the list.

- a. ?:
- b. :?·
- c. :<
- d. <:

3. . C programming was created in year _____.

- a. 1980
- b. 1976
- c. 1978
- d. 1972

4. To develop which operating, C language was invented?

- a. Linux
- b. Unix
- c. Android
- d. Mac

5. Which of the following is an exit controlled loop?

- a. While loop
- b. For loop
- c. do-while loop
- d. None of the above

(B) Compulsory Question (5 Fill in the Blanks)

05

- 1. scanf() is a predefined function in _____ header file.
- 2. The format specifier ' %c' is used for _____ data type.
- 3. Each statement in a C program should end with _____.
- 4. _____ operator is used for logical OR in C.
- 5. _____ looping statement end with semicolon:

| | | |
|-----|---|----|
| Q.2 | Attempt any four(Short Questions) | 12 |
| | (1) What is the difference between 'break' and 'continue' statements? ~ | |
| | (2) Enlist the features of C. ~ | |
| | (3) Explain different data types used in C language? ~ | |
| | (4) What is the difference between 'while' and 'Do-while' loop? ~ | |
| | (5) Explain If-else statement? ~ | |
| Q.3 | Attempt any two | 08 |
| | (1) Write a program to swap two numbers using a temporary variable. | |
| | (2) Explain Conditional operator of c with example. | |
| | (3) Explain While loop with suitable example. | |
| Q.4 | (A) Explain Structure of c program in brief with example. | 05 |
| | (B) What is switch case statement? Explain with example. | 05 |
| | OR | |
| | (B) Write a program to check whether the given number is even or odd. | 05 |