



17583

**BRAINWARE UNIVERSITY**

Library
Brainware University
398, Ramkrishnapur Road, Barasat
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Term End Examination 2024-2025

Programme – B.Tech.(CSE)-AIML-2024/B.Tech.(CSE)-DS-2024/B.Tech.(CSE)-CYS-2024/B.Tech.(EE)-2024

Course Name – Programming for Problem Solving

Course Code - BES00006

(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the correct symbol for taking input in the flowchart
 - a) Square
 - b) Circle
 - c) Parallelogram
 - d) Rectangle
- (ii) Identify invalid declaration
 - a) 'c'
 - b) "c"
 - c) "course"
 - d) 'course'
- (iii) Select the correct option to comment out multi-line.
 - a) /* */
 - b) //
 - c) **
 - d) \
- (iv) Select the size of data type int in byte/s (32 bit compiler)
 - a) 1
 - b) 2
 - c) 3
 - d) 4
- (v) Identify the invalid declaration in C language
 - a) int 2roll
 - b) int roll
 - c) int Roll
 - d) int roLL
- (vi) State the case that is used in all keywords in C.
 - a) LowerCase letters
 - b) UpperCase letters
 - c) CamelCase letters
 - d) None
- (vii) Identify correct option, C preprocessors can have compiler specific features
 - a) True
 - b) False
 - c) Depends on the standard
 - d) Depends on the platform
- (viii) The C-preprocessors are specified with _____ symbol. Write the correct one

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12. Write a C program to find the sum of the first N natural numbers using a for loop and explain (5) the program.

OR

Develop a C program to find the greatest common divisor (GCD) of two numbers using a while (5) loop

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