



BRAINWARE UNIVERSITY

LIBRARY
Brainware University
Barasat, Kolkata - 700125

Term End Examination 2023

Programme – B.Tech.(CSE)-2018/B.Tech.(CSE)-2019/B.Tech.(CSE)-2020

Course Name – Computer Organization and Architecture

Course Code - PCC-CS401

(Semester IV)

Full Marks : 70

Time : 3:0 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) Identify what 32-bit representation of the decimal number is known as
- | | |
|---------------------|---------------------|
| a) Double-precision | b) Single-precision |
| c) Extended format | d) None of these |
- (ii) Write what is the base of Hexadecimal number system?
- | | |
|-------|-------|
| a) 2 | b) 8 |
| c) 10 | d) 16 |
- (iii) When power is switched off which memory loses its data, identify the correct answer?
- | | |
|------------------------|--------------------|
| a) Non-Volatile Memory | b) Volatile Memory |
| c) Both A and B | d) None |
- (iv) Apply signed-magnitude binary division and find the result if the dividend is (11100)₂ and divisor is (10011)₂
- | | |
|----------|---------|
| a) 10100 | b) 100 |
| c) 11001 | d) 1100 |
- (v) Write the number which is numerically equal to (100110)₂
- | | |
|-----------------------|-----------------------|
| a) (46) ₈ | b) (2A2) _H |
| c) (36) ₁₀ | d) (26) ₁₀ |
- (vi) Auxiliary memory access time is generally _____ times that of the main memory. Identify the correct answer?
- | | |
|---------|----------|
| a) 10 | b) 100 |
| c) 1000 | d) 10000 |
- (vii) Identify the correct example for Auxiliary Memory ?
- | | |
|-------------------|-----------------|
| a) Magnetic disks | b) Tapes |
| c) Flash memory | d) Both A and B |
- (viii) Select the true statement about Adder-subtractor composite unit
- | | |
|---|---|
| a) It can add as well as subtract two numbers | b) At a time, it either adds or subtracts |
|---|---|

LIBRARY
Brainware University
Barasat, Kolkata -700125