

S.No. 2019

12UCA04/12UCS03/
12UIS03

(For the candidates admitted from 2012–2013 onwards)

B.C.A./B.Sc. DEGREE EXAMINATION,
APRIL/MAY 2018.

Third Semester

PROGRAMMING IN C++

(Common for B.C.A./C.S./I.S.)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is object oriented programming?
2. Define keywords.
3. What is inline function?
4. What is an array?
5. What is inheritance?
6. Define pointer.
7. What is stream class?

8. Define command line arguments.
9. Write the syntax for Function Template.
10. Define Exception.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain control structure.
Or
(b) Brief about identifiers and constants.
12. (a) What is class? What is an object? Explain the relationship.
Or
(b) Explain the use of 'static' keyword.
13. (a) What is Hierarchical Inheritance?
Or
(b) Explain about Arrays of Objects.
14. (a) Write short notes on C++ stream classes.
Or
(b) Explain Command line arguments.
15. (a) Write short notes on Function Templates.
Or
(b) Describe about Catching Mechanism.

PART C — (3 × 10 = 30 marks)

Answer any THREE Questions out of Five.

16. Explain the Benefits and Application of OOP.
17. What is function overloading? Explain with an example?
18. Explain the multilevel inheritance with an example.
19. Discuss about file pointers and their manipulators.
20. What is Exception Handling Mechanism? Explain.