

32T CSCA

2022

COMPUTER SCIENCE AND APPLICATIONS

(Theory)

Full Marks : 70

Pass Marks : 21

Time : Three hours

The figures in the margin indicate full marks for the questions.

Q. No. 1 carries 1 mark each 1×8 = 8

Q. No. 2 carries 2 marks each 2×10 = 20

Q. No. 3 carries 3 marks each 3×9 = 27

Q. No. 4 carries 5 marks each 5×3 = 15

Total = 70

Contd.

1. Answer the following : (any eight)

1×8=8

যিকোনো আটটা প্ৰশ্নৰ উত্তৰ কৰা :

(a) State *two* advantages of C++.

C++ -ৰ দুটা সুবিধা লিখা ?

(b) What is a class ?

Class কি ?

(c) What is an object ?

Object কি ?

(d) State *two* data types of C++.

C++ -ৰ দুবিধ data type উল্লেখ কৰা।

(e) Define a data structure.

Data structure-ৰ সংজ্ঞা দিয়া।

(f) What is member function ?

Member function কি ?

(g) What is a database ?

Database কি ?

(h) What is SQL ?

SQL কি ?

(i) What is a binary file ?

Binary file কি ?

(j) Define constructor.

Constructor-ৰ সংজ্ঞা লিখা।

2. Answer the following questions : (any ten)

2×10=20

তলত দিয়া প্রশ্ন সমূহৰ উত্তৰ দিয়া : (যিকোনো দহটা)

(a) What is function overloading ?

Function overloading কি ?

(b) Define abstract class and concrete class.

Abstract class আৰু concrete class-ৰ সংজ্ঞা দিয়া।

(c) Define a destructor.

Destructor-ৰ সংজ্ঞা লিখা।

(d) State the commutative and associative law of Boolean algebra.

Boolean algebra-ৰ commutative আৰু associative law উল্লেখ কৰা।