

Roll No :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

MCL-773

M.Sc. (Lateral Entry) Examination, 2021

COMPUTER SCIENCE

Paper - MCSLE-104

(Java)

Time : 1½ Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit 50 words). Each question carries 2 marks.

(खण्ड-अ)

(अंक : 2 × 10 = 20)

नोट :- सभी दस प्रश्नों के उत्तर दीजिए (उत्तर-सीमा 50 शब्द)। प्रत्येक प्रश्न 2 अंक का है।

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit 200 words). Each question carries 3 marks.

(खण्ड-ब)

(अंक : 3 × 5 = 15)

नोट :- सभी पाँच प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा 200 शब्द)। प्रत्येक प्रश्न 3 अंक का है।

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit 500 words). Each question carries 5 marks.

(खण्ड-स)

(अंक : 5 × 3 = 15)

नोट :- पाँच में से किन्हीं तीन प्रश्नों के उत्तर दीजिए (उत्तर-सीमा 500 शब्द)। प्रत्येक प्रश्न 5 अंक का है।

BI-384

(1)

MCL-773 P.T.O.

Section–A

1. (i) Distinguish between C++ and Java.
- (ii) Describe primitive data types of Java.
- (iii) What are constant in Java ?
- (iv) Define type Casting.
- (v) What is Abstract Class ?
- (vi) Explain Transient Variable.
- (vii) When do we declare a method final ?
- (viii) Define Method Overloading.
- (ix) What is string buffer class ?
- (x) Explain command line arguments.

Section–B

2. How is Java strongly associated with the internet ?

Or

Write *five* features of Java and explain Java program structure.

3. Explain the uses of 'Super' keyword in Java's Inheritance.

Or

What is Blocking of Thread ? Explain interthread communication.

4. Define vector with a example.

Or

Explain any *three* methods of string class.

5. Write a Java program to check whether the given no. is prime or not.

Or

Write a program to accept number from user and convert into binary by using wrapper class methods.

6. What are Events ? Explain event handling in Java.

Or

Describe life cycle of Applet with example.

Section–C

7. Compare the following pairs of statements :

(a) While and do-while

(b) Break and continue

8. What is an exception handling ? How to handle exception ? Explain with program.

9. With a program explain different ways to creating a thread.

10. Write short notes on the following :

(a) Keyboard events

(b) Graphics class

(c) Packages and interfaces

11. What is Constructor ? How do we invoke constructor in Java program ?