

MCA-16**June/December – Examination 2020****Master of Computer Application
(II Year) Examination****Programming in Java****Paper : MCA-16***Time : 2 Hours]**[Maximum Marks : 80*

Note :- The question paper is divided into two Sections A and B. Write answers as per given instructions.

Section-A**8×2=16****(Very Short Answer Type Questions)**

Note :- Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 2 marks.

1. (i) What is Java ?
- (ii) What do you mean by SDK ?
- (iii) Write any two Java keywords.
- (iv) Write the syntax of switch case expression in Java.

- (v) What is an Abstract Class ?
- (vi) What is the use of the *ResultSetMetaData* object in Java ?
- (vii) How to declare a string in Java? Write the Java code.
- (viii) Give any two differences between Java and C++.

Section-B **4×16=64**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

- 2. Discuss the different levels of access protection available in Java.
- 3. What is the String ? How does a String class differ from a StringBuffer class ?
- 4. What is an Interface ? Why interface are used ?
- 5. What is Super Class ? Explain with example.
- 6. Explain with a suitable example :
 - (a) Declaring and Defining a Class
 - (b) Adding Methods to a Class.

- 7. What is exception handling ? Explain try, catch and finally block used in exception handling with example.
- 8. Discuss 2-tier and 3-tier client-server model.
- 9. Write a short note on Inheritance.