

Roll No.

Total No. of Pages : 02

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B.Voc. (Web Technologies and Multimedia) (Sem.-2)

PROGRAMMING IN JAVA

Subject Code : BVWM-202-19

M.Code : 77512

Date of Examination : 06-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) What do you mean by instantiating an object? Give an example.
- b) Write the structure of java applet program.
- c) What is string Buffer?
- d) What is the difference between multiple and multilevel inheritance?
- e) Write a program to find the factorial of given number.
- f) Define Final Class.
- g) Difference between compiler and interpreter.
- h) Describe the complete life cycle of thread.
- i) Explain abstract class.
- j) Distinguish between Input stream and Reader Classes.

SECTION-B

2. What are applets? Explain in detail applet life cycle.
3. What is the difference between an interface and abstract class?
4. Explain exception handling in java with example.
5. How to handle multiple catch blocks for a nested try block? Explain with an example.
6. Explain Constructor overloading and Function overloading with an example.

SECTION-C

7. Write short note on :
 - a) Method Overriding (with example) 4
 - b) Types of comments in Java 3
 - c) Garbage collection 3
8. Explain multithreading concept in Java. Write a program showing multiple threads working upon single object using synchronized keywords. 10
9. Explain the difference between following with example :
 - a) While and do while 3
 - b) Break and continue 3
 - c) Method overloading and overriding 4

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.