

MAR/APRIL - 2024

Total No. of Questions : 5]

SEAT No. :

PB-827

[Total No. of Pages : 2

[6204]-11

M.C.A. (Management)

IT11 : JAVA PROGRAMMING

(Rev.2020) (Semester - I)



Time : 2½ Hours]

[Max. Marks : 50

Instruction to the candidate :

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) a) Explain the concept of passing object as a parameter to the constructor. [7]
b) Write a note on normal import and static import. [3]

OR

- c) Discuss how to invoke parameterized constructor of parent class from child class with example. [7]
- d) Explain use of Finalize method. [3]

Q2) a) Explain checked exception with example. [5]
b) Write note on mutable and immutable. [5]

OR

- c) Explain thread life cycle. [5]
- d) Explain use of multithreading. [5]

Q3) a) Define set and explain insertion operation in hash set with example. [6]
b) Differentiate Array list & vector. [4]

OR

- c) Explain stack operation with example. [6]
- d) Write down uses of scanner class. [4]

P.T.O.

Q4) Design following GUI using aWT components.

[10]

The image shows a GUI form with the following components:

- Name**: A text input field.
- Mobile**: A text input field.
- Gender**: Two radio buttons labeled **Male** and **Female**.
- Hobbies**: Three checkboxes labeled **music**, **Dance**, and **Travelling**. The **Travelling** checkbox is checked.
- Submit**: A button at the bottom.

OR

Demonstrate Window Listener interface with suitable example.

[10]

Q5) Create table "STUDENT" with fields (RollNo, Sname and saddress). Perform insertion and updation through Java application into "STUDENT" table. [10]
(Note : Consider Necessary assumptions)

OR

Create a web page using servlet to accept two numbers from user & display the addition of given numbers.

[10]

