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Samanthapur, Hyderabad - 5

Code No. D0346/N

FACULTY OF INFORMATICS  
MCA II Semester (CBCS) (Backlog) (New) Examination, December 2021

Subject: Java Programming

Time: 2 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

Note: Answer any four questions.

(4 x 17 1/2 = 70 M)

- 1 Describe the Java Buzzwords and OOPs features.
- 2 (a) Describe the Java Data Types and Operator's.  
(b) What is Interface explain with example program?
- 3 (a) Explain the print writer class with suitable program.  
(b) Describe the Key words of try-catch-finally with program.
- 4 (a) What is Thread and Multithread? Describe the Thread Life cycle Stages and methods.  
(b) Write a java program to implement Reading console input.
- 5 (a) List out Array List class constructors and predefined methods. Write a program to demonstrate Array List class.  
(b) What are constructors and predefined methods of Vector class? Write a program to demonstrate Vector class.
- 6 (a) Write a program to demonstrate String Tokenizer class.  
(b) Write a program to demonstrate Methods of Date class.
- 7 (a) Describe the Applet life cycle methods with example program.  
(b) Write a program to demonstrate the mouse event handlers.
- 8 (a) Write a program demonstrate check boxes and buttons.  
(b) Explain the types of layout managers.
- 9 (a) Write a program of simple Swing-based applet.  
(b) Write a program to demonstrate JLabel and ImageIcon.
- 10 Describe the Serialization with example program.

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Code No. D0227/O

FACULTY OF INFORMATICS

MCA - II Semester (CBCS) (Backlog) (Old) Examination, November 2021

Subject: Principles of Object Oriented Programming using Java.

Time: 2 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

Note: Answer any four questions.

( $4 \times 17^{1/2} = 70$  Marks)

- 1.(a) Describe the various benefits of object-oriented development.  
(b) Write a note on data types in java.
- 2.(a) Discuss about Array's in java with example.  
(b) What is Class? Explain with suitable example.
- 3.(a) What is Exception Handling? Explain with example.  
(b) Write about Multithreaded Programming in java.
- 4.(a) What is Stream? Discuss about Byte streams and character stream.  
(b) Give an overview on Reading and Writing files in java.
- 5.(a) Write about collection interfaces in java.util  
(b) Explain in detail about collection classes.
- 6.(a) Discuss in detail about Legacy classes.  
(b) Give an overview on string tokenizer.
- 7.(a) Explain in detail about java I/O interface.  
(b) Write about file and file filters with example.
- 8.(a) Explain FileInputStream with suitable example.  
(b) Write a note on buffered Input Stream.
- 9.(a) What is Applet Class? Discuss its methods in detail.  
(b) Explain about Delegation Event model.
- 10.(a) Give an overview on Event Listener interface.  
(b) Explain about Menus and Handling mouse events.

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Code No. 11368/N

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FACULTY OF INFORMATICS

M.C.A. (2-Year Course) I-Semester (CBCS) (Main & Backlog) (New)

Examination, July 2021

Subject : Object Oriented Prog. Using Java

Max. Marks: 70

Time : 2 Hours

Missing data, if any, may be suitably assumed

(4 x 17<sup>1/2</sup> = 70 Marks)

Note: Answer any Four questions :

1. a) Discuss object oriented concepts briefly  
b) Discuss about data types and variables in java.
2. a) What are the benefits of objects oriented development  
b) Write about control structures in java
3. a) Explain I/O streams in java  
b) Discuss about print and write classes in java
4. a) Write about thread class  
b) Discuss about try, Catch blocks in exception handling
5. a) Write about collection interface  
b) Discuss about date class
6. a) Discuss about Map interface in java  
b) What is a string Tokenizer in java.
7. a) Discuss about AWTtextfield and AWT textarea.  
b) Explain Layout managers in java
8. a) Explain AWT Event Multicaster  
b) Explain AWT Dialog class.
9. a) Illustrate serialization with an example  
b) Explain types of sockets in java.net package.
10. a) How do you classify Swing components  
b) Discuss image package in java

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Code No.3384/CBCS/M

**FACULTY OF INFORMATICS**

MCA II-Semester (CBCS) (New) (Main) Examination, December 2020

Subject : Java Programming

Time : 2 Hours

Max. Marks:70

(4 x 17<sup>1/2</sup>=70Marks)

*Note: Answer any Four questions.*

1. (a) Explain OOPd Concepts in java  
(b) Write a short note on Data Types in java?
2. (a) How packages can be created and accessed?  
(b) What is Inheritance? How Multiple Inheritances can be achieved using interfaces?
3. (a) Explain about Byte streams in Java?  
(b) Discuss about Exception Handling with example program?
4. (a) Write a short note on string Handling in Java?  
(b) Write a java program to create and access Thread?
5. (a) Discuss about the Hierarchy of Collections Framework?  
(b) What is the difference between List and Set?
6. (a) Define Collection? Explain about Arraylist?  
(b) What is string tokenizer? Write a java program to demonstrate methods of string Tokenizer?
7. Discuss the Following?
  - (a) Delegation Event Model
  - (b) GUI Control
8. (a) Discuss about event handling in java?  
(b) Write a short note on AWT components?
9. (a) Discuss the about swing package?  
(b) Explain briefly about socket programming?
10. (a) Explain about file reader and file writer classes in java  
(b) Discuss about image package in java?

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**FACULTY OF INFORMATICS**

Code No: 12120/BL

MCA I – Year II – Semester (CBCS) (Main) Examination, June/July 2019

Subject: Principles of Object Oriented Programming

Time: 3 Hrs

Max Marks: 70

PART – A (10 x 2 = 20)

Answer all questions.

**UNIT I**

1. a) Explain about Object Oriented concepts that we supported by Java.  
b) Write a Java Program to find the reverse of a number.

**OR**

2. (a) Discuss about control statements in Java.  
(b) Define (i) this (ii) final

**UNIT - II**

3. a) Define a thread. Explain how a thread is created using Runnable interface.  
b) Discuss about string manipulation functions.

**OR**

4. a) Write a program to create a user defined exception.  
b) Write briefly on print writer class.

**UNIT - III**

5. a) Explain how Iterator class works?

- b) Discuss the methods of Vector class.

**OR**

6. a) Explain about the use of Date Class.  
b) What is the concept of String Tokenizer?

**UNIT - IV**

7. a) What do you mean by serialization?  
b) List and explain the methods of Input stream Class.

**OR**

8. a) Explain briefly about Files.  
b) Write a program to copy the content of one file to another.

**UNIT - V**

9. What are life cycle methods of an applet? Explain how applets are created using an example.

**OR**

10. Write short note on
  - a) Layout Managers
  - b) Framer

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FACULTY OF INFORMATICS  
M.C.A. II-Semester (CBCS)(Main) Examination, August 2017

Subject : Principles of Object Oriented Programming using Java  
Time : 3 Hours Max. Marks: 70

Note: Answer one question from each unit. All questions carry equal marks.

**Unit – I**

- 1 (a) Describe about overriding in Java.  
(b) Write a java program to demonstrate multi level inheritance.
- OR
- 2 (a) Write about control statements in java with examples.  
(b) Write about packages.

**Unit – II**

- 3 (a) What is built-in exception and list them? Write a program to implement exception handling?  
(b) List different I/O streams.
- OR
- 4 (a) What is thread ? Explain about threat life cycle? Describe different methods available in thread class?  
(b) Explain about different methods available in string class.

**Unit – III**

- 5 Describe about integrators, maps.
- OR
- 6 (a) Write a program to create a Tree set and add different types of elements remove some elements and display the undated list.  
(b) Write about string tokenizer.

**Unit – IV**

- 7 (a) Write a program to copy a file.  
(b) Write about reader and writer classes.
- OR
- 8 What is serialization ? Write about different classes and interfaces uses in serialization ?  
Write example program for sterilization.

**Unit – V**

- 9 (a) What is an event delegation model? Explain about it.  
(b) Describe about different layout managers.
- OR
- 10 What is an applet? Differentiate between applet and application program? Write an example applet two accept input using <param> tag?

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Code No. 3796 / N

FACULTY OF INFORMATICS

MCA I – Year II – Semester (New) (Suppl.) Examination, January 2017

Subject: Principles of Object Oriented Programming

Time: 3 Hours

Max. Marks: 80

Note: Answer one question from each unit. All questions carry equal marks.

Unit – I

- 1 a) List and explain object oriented concepts which are supported by Java.  
b) Discuss the control statements in Java.

8  
8

OR

- 2 a) Write a Java program to demonstrate method overloading.  
b) How the concept of inheritance is implemented? Give an example.

8  
8

Unit – II

- 3 a) Define multithreaded programming. Explain how threads are created using runnable interface.  
b) Write short note on exception handling.

8  
8

OR

- 4 Write briefly on:  
i) I/O basics  
ii) Print writer class

8  
8

Unit – III

- 5 a) Give the overview of legacy interfaces.  
b) Differentiate between Array list and vector.

8  
8

OR

- 6 Explain about Bit set and Timer.

16

Unit – IV

- 7 What are character streams? Explain.

16

OR

- 8 a) Explain about serialization.  
b) Discuss about Files.

8  
8

Unit – V

- 9 a) Describe customizing frame windows.  
b) What are Text Related Components? Explain them briefly.

8

OR

- 10 Write short notes on:  
i) Menus  
ii) Applet class.

8  
8

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FACULTY OF INFORMATICS

M.C.A. I Year II – Semester (Old) Examination, January 2017

Subject: Principles of Object Oriented Programming

Time: 3 Hours

Max. Marks: 80

Note: Answer one question from each unit. All questions carry equal marks.

Unit – I

- 1 a) What is an encapsulation and explain it.  
b) Define constructor and write a program for constructor over loading.
- 2 a) Distinguish between an abstract class and an interface.  
b) Define an array and write a Java program to demonstrate an inheritance.

OR

Unit – II

- 3 a) Explain in detail about an exception handling.  
b) Write a program for synchronization in multi-threaded programming.
- 4 a) Describe the string handling methods in Java.  
b) Implement a Java program by using try, catch, and finally blocks.

OR

Unit – III

- 5 a) Differentiate between the array list and vector with a suitable example.  
b) Implement a Java program by using a legacy class.
- 6 a) Describe the string tokenizer in detail.  
b) Implement a Java program by using hash table.

OR

Unit – IV

- 7 Define the character streams and explain how can we write the data in to file with a program example.
- 8 Explain the serialization in detail and write an example program for it.

OR

Unit – V

- 9 a) Write notes on delegation event model.  
b) Implement an example program for frame windows.
- 10 Describe in detail about layout manager.

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