

4. Deitel & Deitel. Java TM: How to Program, PHI (2007)
5. Java Programming: From Problem Analysis to Program Design- D.S Mallik

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COMPUTER SCIENCE	CSC-301C	2018-19	B.Sc.(MPCs, MCCs.)
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SEMESTER – III PAPER – III Max. Marks 75 Pass Marks 30

MODEL PAPER OBJECT ORIENTED PROGRAMMING USING JAVA

NO Of Hours: 4 Credits: 3 Total Hrs: 60

Section- A

Answer FIVE Questions. Each Question carries FIVE Marks. 5*5=25M

1. Explain the structure of a java program?
2. Explain different data types in java?
3. Write a short note on if statement
4. Explain about Constructors?
5. Differences between arrays and vectors?
6. Explain about Exception handling?
7. Explain the applet life cycle?
8. How to create and accessing a package?

Section- B

Answer FIVE the Questions. Each Question carries TEN Marks

5*10=50M

9. Explain the Concepts of Object Oriented Programming?
10. Explain java Features?
11. Explain Looping statements with example
12. Explain Method overloading with an example program
13. Explain about inheritance
14. Explain the concept of interface?
15. Explain life cycle of a thread?
16. Explain about Byte Stream Classes?

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SEMESTER – III

PAPER – III

Max. Marks 75

Guidelines for paper setting '**OBJECT ORIENTED PROGRAMMING USING JAVA**'

Unit wise weightage of Marks

	Section-A (Short answer questions)	Section-B (essay questions)
Unit-1	2	2
Unit-2	2	2
Unit-3	1	2
Unit-4	1	1
Unit-5	2	1

- Each Short answer question carries 5 marks in Section –A
- Each Essay question carries 10 marks in Section –B
- The Question papers setters are requested to cover all the topics in the syllabus stipulated as per the weightage given by us

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SEMESTER – III

PAPER – III

Max. Marks 50

Lab List OBJECT ORIENTED PROGRAMMING USING JAVA Pass Marks 25
No. of Hours per week: 2 External: 25 Internal: 25 Credits: 2

1. Write a program to perform various String Operations
2. Write a program to print the given number is Armstrong or not?
3. Prompt for the cost and selling price of an article and display the profit (or) loss
4. Write a program to print the numbers given by command line arguments
5. Write a program on class and object in java
6. Illustrate the method overriding in JAVA
7. Write a program to find the Simple Interest using Multilevel Inheritance
8. Write a program to display matrix multiplication.
9. Write a program to implement Exception handling
10. Write a program to create packages in Java
11. Write a program on interface in java
12. Write a program to Create Multiple Threads in Java
13. Write a program to Write Applets to draw the various polygons
14. Write a program to assign priorities to threads in java
15. Write an Applet Program to design a Simple Calculator.

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SEMESTER – III PAPER – II Max. Marks 50 Pass Marks 20 Total Hrs 30

Syllabus Internet Fundamentals and Web Tools NO. Of Hrs: 2 Credits: 2

Unit-I : 6Hrs

Fundamentals of Internet : Networking Concepts, Data Communication – Types of Networking, Internet and its Services, Internet Addressing – Internet Applications – Computer Viruses and its types – Browser –Types of Browsers.

Unit-II: 6Hrs

Internet applications: Using Internet Explorer, Standard Internet Explorer Buttons, Entering a Web Site Address, Searching the Internet – Introduction to Social Networking: twitter, tumblr, LinkedIn, face book, flicker, Skype, yelp, vimeo, yahoo, Google+, YouTube, WhatsApp, etc.

Unit-III : 6Hrs

E-mail :Definition of E-mail - Advantages and Disadvantages – User-Ids, Passwords, Email Addresses, Domain Names, Mailers, Message Components, Message Composition, Mail Management, Email Inner Workings.

Unit IV: 6Hrs

WWW- Web Applications, Web Terminologies, Web Browsers, URL – Components of URL, Searching WWW – Search Engines and Examples

Unit-V : 6Hrs

Basic HTML: Basic HTML – Web Terminology – Structure of a HTML Document – HTML, Head and Body tags – Semantic and Syntactic Tags – HR, Heading, Font, Image and Anchor Tags –Different types of Lists using tags – Table Tags, Image formats – Creation of simple HTML Documents.

Reference Books :

1. In-line/On-line : Fundamentals of the Internet and the World Wide Web, 2/e - by Raymond Greenlaw and Ellen Hepp, Publishers : TMH

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SEMESTER – III PAPER – II Max. Marks 50 Pass Marks: 20 Total: 30 Hrs

Modal Paper: Internet Fundamentals and Web Tools NO. Of Hrs: 2 Credits: 2

Section- A

Answer FOUR Questions. Each Question carries FIVE marks.

4X5=20M

1. Explain types of Browsers?
2. Explain Internet Applications.
3. Write a short note on Internet Explorer?
4. Explain User Id and Password of e-mail?
5. Explain Advantages and disadvantages of electronic mail.
6. Explain about WWW?
7. Explain briefly about web application.
8. Explain Head and Body tags in HTML Document?

Section- B

Answer Any THREE Questions. Each Question carries TEN Marks.

3×10=30M

9. Explain types of Networking?
10. Explain Internet Services?
11. Explain any 10 Social Net Working Sites
12. Explain Message Composition.
13. Explain different types of Search Engines.
14. Explain different lists in HTML.

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SEMESTER – III

PAPER – II

Max. Marks 50

Guidelines for paper setting '**INTERNET FUNDAMENTALS AND WEB TOOLS**'

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Unit-2	2	1
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