L	T	P	C	Theory	Internal	Practical	Total
Credits/Hours							Marks
-	-	+0/2	+0/2	0	20	80	100

Practical List on JAVA

1. Write a program to find the largest of n natural numbers.
2. Write a program to find whether a given number is prime or not.
3. Write a menu driven program for following:
   Compute Factorial of a number
   Check whether a given number is odd or even.
   Check whether a given string is Palindrome or not.
4. Write a program to print the sum and product of digits of an Integer and reverse the Integer.
5. Write a program to create an array of 10 integers. Accept values from the user in that array. Input another number from the user and find out how many numbers are equal to the number passed, how many are greater and how many are less than the number passed.
6. Write a program that will prompt the user for a list of 5 prices. Compute the average of the prices and find out all the prices that are higher than the calculated average.
7. Write a program in java to input N numbers in an array and print out the Armstrong numbers from the set.
8. Write java program for the following matrix operations:
   Addition of two matrices
   Multiplication of two matrices
   Input the elements of matrices from user.
9. Write a java program that computes the area of a circle, rectangle and a triangle using function overloading.
10. Write a Java for the implementation of Multiple inheritance using interfaces to calculate the area of a rectangle and triangle.
11. Write a java program to create a frame window in an Applet. Display your name, address and qualification in the frame window.
12. Write a java program to draw a line between two coordinates in a window.
13. Write a java program to display the following graphics in an applet window.
    Rectangles
    Circles
    Ellipses
    Arcs
    Polygons
14. Write a program for the following string operations:
    Compare two strings
    Concatenate two strings
    Compute length of a string
15. Create a class called Fraction that can be used to represent the ratio of two integers. Include appropriate constructors and methods. If the denominator becomes zero, throw and handle an exception.
16. Write a program to Display Fibonacci series.

Practical List on E-Commerce and E-Governance

1. Study of any two E-commerce website.
2. Study of any two E-Governance website.
3. How MP-Online works demonstrate its functions?
4. Make a small E-commerce website.
5. Make a small E-Governance website

Practical List on Cyber Security

Q1. How to scan a network for devices using Nmap

Q2. How to find vulnerability in any website using Nikto

Q3. How to find whether a system is infected with a malware or not

Q4. How to extract email header in order to identify email source

Q5. How to create a malware or keylogger

Q6. How passwords are stored in any websites

Q7. How to crack password hash

Q8. How to break into Windows or Linux System

Q9. How to break into Wireless Network

Q10. How to perform Advance phishing attacks

Q11. How to generate a forensic report

Q12. How to verify a integrity of a document

Advertising for new media (0333)

1. How do you create an effective digital advertising campaign for a new product launch?
2. Develop a social media advertising plan for a brand of your choice. Include target audience, platforms, and ad formats.
3. Create a Google Ads campaign for a local business. What keywords would you target and why?
4. How do you integrate content marketing with your overall advertising strategy?
5. Create a content marketing plan that includes blogs, videos, and social media posts.
6. How can you optimize video ads for better performance and engagement?
7. Create a mobile ad campaign for a new app. What ad formats and strategies would you use?
8. How do you measure the effectiveness of mobile advertising campaigns?
9. What key performance indicators (KPIs) would you track to measure the success of an advertising campaign?
10. Discuss the ethical considerations in digital advertising, including privacy concerns and ad targeting.