

No. of Printed Pages : 4 **BCSL-057(Set-I)**

**BACHELOR OF COMPUTER
APPLICATIONS (BCA)
(REVISED)**

**Term-End Practical Examination
December, 2024**

BCSL-057(Set-I) : WEB PROGRAMMING LAB

Time : 1 Hour

Maximum Marks : 50

Note : *There is **one** compulsory question in this paper of 40 marks. Rest 10 marks are for viva-voce. You may use any IDE, web server and database backend to demonstrate the web application.*

1. Design and implement a website/web application consisting of three web pages. Each

of these web pages should have the following layout :

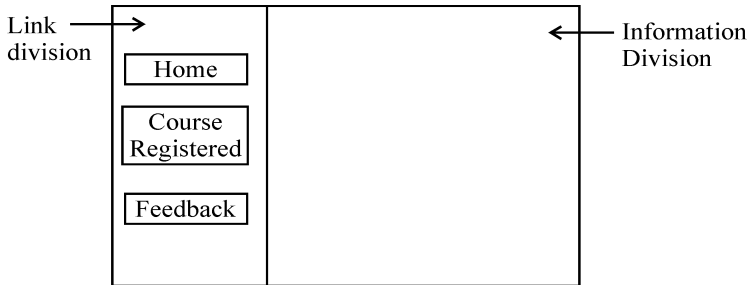


Fig. 1 : Layout of web pages

The links of the line division are as follows :

Home

is a link to the Home page of the application.

Course Registered

is a link to a page which displays the list of courses in which a student can register. This page is created by using JSP and a database.

Feedback

is a link to a page containing feedback form.

The *information division* of these three pages is described below :

- (a) The Home page should display a welcome message to the students. It should also display a small table listing two programmes of the University.

- (b) The 'Course Registered' page should be created by using a query to a database named 'Course' having a single relation `course_registration` (`course_code`, `title`, `credit`). You should write the JSP program which connects to the database and executes the query. The result of the query should be displayed in the following format :

Course_Code	Title	Credit
BCS13	Lab	2
BCS21	DBMS	4
⋮	⋮	⋮

The list should display at least *five* courses.

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- (c) The feedback page should display the following form : 6

(You need not write the code for processing or verification of form)

Feedback Form	
Course Code	
Title	
Coverage of topics	
Adequate	☒
Not Adequate	☐
Submit	

- (d) Create an external CSS file that formats the three pages as per the layout of Figure 1. The background colour of link division should be light green. 10

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