BACHELOR OF COMPUTER APPLICATIONS (REVISED) (BCA)
Term-End Practical Examination

BCSL-057 : WEB PROGRAMMING LAB

Time : 1 Hour   *Maximum Marks : 50*

Note : (i) *There is one compulsory question in this paper of 40 marks. Rest 10 marks are for viva-voce.*

(ii) *You may use any IDE, Web Server or Database backend to demonstrate the Web Application.*

1. (a) Design and implement a Website/Web application for a Business having three web pages having the following layout :
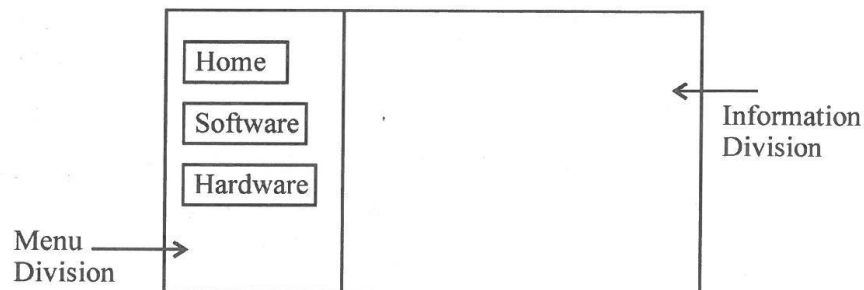

Fig. 1 : Layout of Web Pages

In this layout [Home] is a link to Home page of the Business; [Software] is a link to a list of softwares being sold by the business, and

[Hardware] is a link to an online form which helps its customers to query for Hardware requirements.

Create the three pages having a layout as shown in Fig. 1, and displaying the content in the Information division as described below :

(i) The Home page should display a heading "Software for Sale." This page should display the following information : 6

[Home] [Software] [Hardware]	**Software for Sale** We specialize in sale of the following type of software : ● Office Tools ● Database Tools ● Project Management Tools

(ii) The list of softwares should be displayed using a JSP program that accesses a database "Software" having a single table/relation software list (Soft_id, type, price). You must create

this database and enter 3-4 records in the table. Write JSP program that connects to the "Software" database and queries the database to create a list of software in tabular form as shown below : 18

Home	**Software List**		
Software	Soft_id	Type	Price (INR)
Hardware	S–01	Office Tool	2,500
	S–02	Database	3,000

(iii) The Hardware requirements page displays an online form having the following fields : 6

Home	Software_ID [ ]
Software	(for which hardware requirements are asked)
Hardware	Your Name [ ]
	Your email_ID [ ]
	Submit

You need not write code to handle this form. Only design the form.

(b) Create an external CSS file that formats the three pages as per layout of Fig. 1. This CSS should set different colours for the two divisions. 10