

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, July 2020**

**Course: Enterprise Mobile Application Development**  
**Program: B.Tech. CSE-Mobile Computing**  
**Course Code: CSMC3004**

**Semester: VI**  
**Time 04 hrs.**  
**Max. Marks: 100**

**Instructions:**

- 1. Attempt any one problem statement of your choice.**
- 2. Develop the project (mobile application)**
- 3. Create the report and include following points in report:**
  - a) Problem Statement**
  - b) Description of every module which you have implemented.**
  - c) Complete Code**
  - d) Output Screen Shots**
  - e) Summary of your Work**

**Problem Statement**

S. No.		Marks	CO
Q 1	<p><b>APPLICATION FOR ONLINE EXAMINATION AND RESULTS SYSTEM</b></p> <p><b>Abstract</b> Technology has supported online examinations successfully for a number of years, and has progressively enhanced the online examination process over the years. However, some schools particularly public tertiary institutions in developing countries are still involved in the conventional manual system of writing examination. This manual system of writing examination has a lot of demerits. Application for Online Examination and Results System The manual process of taking examinations is not only time-consuming and tedious, but cumbersome, hence the need for a better, faster and more reliable means of examining students.</p> <p>There are two sub modules in this project.</p> <p>Candidate module.</p> <p>Administrator module.</p>	<b>100</b>	<b>CO1, CO2, CO3, CO4, CO5, CO6</b>

**The functionality of each module is as follows:**

**Candidate module:**

The candidate will create their account using OTP based mechanism. Further, the candidate will logon to the software and take his examination. He can also check his previous examinations marks and his details. The candidate will get result immediately after the completion of the examination.

**Administrator module:**

The administrator collects all the results after successful completion of the examination and sends to the headquarters as and when required.

**System Modules:**

**Administrator:**

The administrator has the full-fledged rights over the OES.

Can create/delete an account.

Can view the accounts.

Can change the password.

Can hide any kind of features from the both of users.

Insert/delete/edit the information of available on OES.

Can access all the accounts of the faculty members/students

**Students:**

Can view the different categories of Test available in their account.

Can change password.

Can view their marks.

Can view the various reading material.

Can view and modify its profile but can modify it to some limited range.

Note: You can add/modify the modules to show your creativity. Further, mention the changes with valid points if any.

	<p><b>The functionality of each module is as follows:</b></p> <p><b>Candidate module:</b></p> <p>The candidate will create their account using OTP based mechanism. Further, the candidate will logon to the software and take his examination. He can also check his previous examinations marks and his details. The candidate will get result immediately after the completion of the examination.</p> <p><b>Administrator module:</b></p> <p>The administrator collects all the results after successful completion of the examination and sends to the headquarters as and when required.</p> <p><b>System Modules:</b></p> <p><b>Administrator:</b></p> <p>The administrator has the full-fledged rights over the OES.</p> <p>Can create/delete an account.</p> <p>Can view the accounts.</p> <p>Can change the password.</p> <p>Can hide any kind of features from the both of users.</p> <p>Insert/delete/edit the information of available on OES.</p> <p>Can access all the accounts of the faculty members/students</p> <p><b>Students:</b></p> <p>Can view the different categories of Test available in their account.</p> <p>Can change password.</p> <p>Can view their marks.</p> <p>Can view the various reading material.</p> <p>Can view and modify its profile but can modify it to some limited range.</p> <p>Note: You can add/modify the modules to show your creativity. Further, mention the changes with valid points if any.</p>		

<p>Q 2</p>	<p><b>BLOOD BANK APPLICATION FOR DONORS AND ACCEPTORS</b></p> <p>Abstract</p> <p>The purpose of this study was to develop a blood management information system to assist in the management of blood donor records and ease/or control the distribution of blood in various parts of the country basing on the hospital demands. Without quick and timely access to donor records, creating market strategies for blood donation, lobbying and sensitization of blood donors becomes very difficult. The blood management information system offers functionalities to quick access to donor records collected from various parts of the country.</p> <p><b>Blood Bank Application for Donors And Acceptors</b></p> <p>It enables monitoring of the results and performance of the blood donation activity such that relevant and measurable objectives of the organization can be checked. It provides to management timely, confidential and secure medical reports that facilitates planning and decision making and hence improved medical service delivery. The reports generated by the system give answers to most of the challenges management faces as far as blood donor records are concerned.</p> <p><b>Module Description</b></p> <p>The blood management information system offers functionality to quick access to donor records collected from various parts of the country. It enables monitoring of the results and performance of the blood donation activity such that relevant and measurable objectives of the organization can be checked. It provides to management timely, confidential and secure medical reports that facilitates planning and decision making and hence improved medical service delivery. The reports generated by the system give answers to most of the challenges management faces as far as blood donor records are concerned.</p> <p><b>System Modules:</b>  <b>DONOR</b>  Login with OTP  Register  Update Details</p>	<p><b>100</b></p>	<p><b>CO1, CO2, CO3, CO4, CO5, CO6</b></p>
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**USER**

Register

Login

View Availability

***Login Module***

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

***Register***

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

***Update details***

Admin enter this system and they can post available details.

Note: You can add/modify the modules to show your creativity. Further, mention the changes with valid points if any.