

Gujarat Technological University
MCA Semester-III Practical Examination
Subject: 3630010–Programming with LAMP

Max Marks ; 24 + 6 VIVA : 30

Duration : 2.5 Hrs.

Set 1

Instructions:

1. Create data files or tables with appropriate data which results to meaningful operations.
2. Implement Validations using code only.

Develop an application for Placement Database Management with following considerations:

- | | | |
|---|---|---|
| 1 | Student can register themselves by registration form | 5 |
| | Student Registration Fields: | |
| | - EnrollmentNo | |
| | - Branch | |
| | - Name | |
| | - SSC-Percentage | |
| | - HSC-Percentage | |
| | - Graduate-Percentage | |
| 2 | Company can register themselves by registration form | 5 |
| | Company Registration Fields | |
| | - CompanyID | |
| | - CompanyName | |
| | - Contact Person | |
| | - Email | |
| | - Password | |
| 3 | Company person can login and view data based on entered criteria of Branch, SSC, HSC and Graduation | 7 |
| 4 | Placement Officer can login and mark the student if placed. If it is marked with Placed the company person cannot view the student's details. | 7 |

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Set 2

Instructions:

1. Create data files or tables with appropriate data which results to meaningful operations.
2. Implement Validations using code only.

Develop an application for Gas Refilling Request System with following considerations:

- | | | |
|---|--|---|
| 1 | Customer can register using following details at Dealer's website | 6 |
| | <ul style="list-style-type: none">- AADHAR No- Consumer No- Name- Address- Mobile- E-mail- Bank Name- Bank Account No | |
| 2 | Customer can update their address and mobile number after login | 6 |
| 3 | Customer can register request for booking cylinder after login | 6 |
| 4 | A dealer can see day-wise request for booking cylinder of Customer with Name, Address, Mobile No., Date of Request | 6 |

Rough data base structure:

Consumer-master

- AADHAR No (Username)
- Consumer No
- Name
- Address
- E-mail
- Bank Name
- Account No
- Password

Dealer-master

- Dealer code
- Dealer-name
- Address
- Mobile No
- Password

Booking

- AADHAR No
- Date of Request

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Set 3

Instructions:

1. Create data files or tables with appropriate data which results to meaningful operations.
2. Implement Validations using code only.

Develop an application for Result Analysis System for MCA with following considerations:

- 1 A Class coordinator can enter student's result data in following format: 8
 - Enrolment No
 - Semester
 - Exam (Winter/Summer)
 - Year
 - Grade of Sub-1
 - Grade of Sub-1
 - Grade of Sub-3
 - Grade of Sub-4
 - Grade of Sub-5
 - SPI
- 2 A Class coordinator can see the list of students with specific grades like AA, AB, BB, etc. In specific subject. 8
- 3 A Class coordinator can see the summary of the class in following format: 8
 - No. Of Students with SPI > 7.5
 - No. Of Students with SPI > 6.5 and <7.5
 - No. Of Students with SPI > 5 and <6.5
 - No. Of Students with SPI < 5

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Set 4

Instructions:

1. Create data files or tables with appropriate data which results to meaningful operations.
2. Implement Validations using code only.

Develop an application for Micro-Blog for with following considerations:

- | | | |
|---|---|---|
| 1 | A User can login with necessary credential and can post a Micro Blog. | 8 |
| 2 | All users can see posts of any users if the posts are public by selecting Usernames | 8 |
| 3 | All users can like (the count of like will be incremented) | 8 |

User-master

- Username
- Password

Post-Master

- Username
- Post
- Date
- No. Of Likes
- Public (Y/N)