

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2021

Course: Banking Solution Framework
Program: B.Tech CSE+MFT
Course Code: CSBI 4009

Semester: VII
Duration 03 hrs.
Max. Marks: 100

Instructions: All Questions are compulsory.

| SECTION A (Scan and upload) (5QX4M=20 Marks) | | | |
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| | | Marks | COs |
| Q1 | Define Banking application landscape and discuss the major factors that are responsible for bringing change in banking landscape. | 4 | CO1 |
| Q2 | Discuss the following modules of a core banking architecture 1. General Ledger 2. Customer Information System 3. Risk Management 4. Treasury | 4 | CO2 |
| Q3 | Discuss technical and functional challenges faced by Banks in multichannel environment. | 4 | CO3 |
| Q4 | Discuss the application architecture of core general ledger application. | 4 | CO2 |
| Q5 | Describe integration of external applications at data level. | 4 | CO4 |
| SECTION B (Scan and upload) (4QX10M=40 Marks) | | | |
| Q1 | Describe layered architecture view for banking application. Or Briefly describe Architecture overview for a banking application architecture. | 10 | CO2 |
| Q2 | Define the integration of terrestrial applications – select any two. | 10 | CO4 |
| Q3 | Discuss the different group of transactions in banking. | 10 | CO3 |
| Q4 | Explain software architecture and describe system context for a banking application. | 10 | CO1 |
| SECTION C (Scan and upload) (2QX20M=40 Marks) | | | |
| Q1 | Discuss in detail the functional architecture of lending applications and also discuss the following loan products 1. Working Capital 2. Rental Discounting 3. Bill Discounting | 20 | CO2 |
| Q2 | Discuss different types of reports both on periodic basis and on functional usage. Or Explain in detail the different channels in banking and also discuss technical architecture of channels. | 20 | CO4 CO4 |