Roll No: ----------

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December, 2017

Program Name: CSE+BFSI | **Semester – V**
Course Name : Banking Technology Applications Architecture | **Max. Marks : 100**
Course Code : CSIB-323 | **Duration: 3 Hrs.**
No. of page/s:2

Note: 1. Answers of below questions must be relevant to Subject only.
2. Details & Explanation in Answers must relate to Marks awarded to that question.

SECTION A

(All Questions Are Compulsory) 5x4=20 Marks

1. What are three versions of the architecture view?
2. Write component of the Current & Saving application by diagram?
3. Why IBM is continuous premier partner/vendor for Banks in BFSI Applications & Automation since 50 Years?
4. What are the types of reports?
5. List broader groups of transactions during a Customer life cycle with a bank?

SECTION B

(All Questions Are Compulsory) 5x8=40 Marks

6. "The System Context used to trace back the Business Architecture in one hand and Functional & Operational Architecture on other hand" Clarify the statement with example? (4+4)
7. Explain different Layers & Definitions by Layered Architecture View diagram of Core Banking Application?
8. Though a lot of risk is involved in Corporate lending, though enlighten the factors Bank like to have Corporate Customer & their accounts? Compare the Corporate & Retail Lending in System Context? (3+5)
9. Discuss the need & scope of integration of external applications?
10. Highlight the overview of Terrestrial Application?

SECTION C

(All Questions Are Compulsory) **2x20=40 Marks**

11. As a Banking technical SOA expert, explain:
    a. What are challenges & risks of multichannel Integration with Core & Other Banking Application? (5)
    b. Explain Point Solutions & their examples? (5)
    c. What is Report & its importance, explain different type of Reports based on Period & functional utility? (5)
    d. Make the Diagram of IBM Banking Reference Architecture using SOA? (5)
12. a. With the help of Diagram, explain functional architecture of Channels? Drill down further any one type of Transaction by leaf level functional mapping of channels? (10)

    b. Define SOA based Integration of External Application by describing integration of Data level, process level, channel level & Core system level using diagram of Question 11(d)? (10)

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SECTION A

(All Questions Are Compulsory) 5x4=20 Marks

1. What are the purpose of the System Context?
2. What are Point Solutions? Write 3 examples of Point Solutions? (2+2)
3. What is IBM Banking Industry Framework?
4. Highlight the modes of transactions with Banks?
5. List types of transactions during a Customer life cycle with a bank?

SECTION B

(All Questions Are Compulsory) 5x8=40 Marks

6. Write the Artifacts of Application Architecture & to what the overview of Architecture decisions generally related to? (4+4)
7. What are the Lending Products & their major two functional applications?
8. Explain Technical Architecture of Channels by all six layered approach?
9. Discuss the Technical & Functional Architecture of external applications?
10. Why Reports are Mandatory for Banks & write the names of different types of Report on period base & functional base?

SECTION C

(All Questions Are Compulsory) 2x20=40 Marks

11. As a Banking Application Architecture using SOA based integration expert, explain:
    a. Data Level Integration? (5)
    b. Process Level Integration? (5)
    c. Channel level Integration? (5)
    d. Core System Integration? (5)
12. With the help of Diagram, explain functional architecture of Channels? Drill down further different each type of Transaction by leaf level functional mapping of channels? (10+10)