UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Term Semester Examination, 12th July 2020-Online Mode

Program: B. Tech. CSE + BFSI	**Semester: IV**
Course: Banking & Insurance Application Architecture	**Time 02 hrs. (2 PM-4 PM)**
Course Code: CSBI2007	**Max. Points: 60**
Instructions: Choose best answer among available options.	**Max. Marks: 100**

S. No.		Point	CO
Q 1	Banking Application Architecture is: (a). Single layered (b). Dual layered (c). Multiple layered (d). None	1	CO1
Q 2	Software Architecture stands for a system: (a). Behavioral & structure paradigm (b). Structures of the system (c). Blueprint of the software system (d). All of these	1	CO1
Q 3	Architecture decisions not stands for: (a). Problem Identification (b). Evaluation of Solutions, their pros and cons (c). Details of the selected solutions justification of selection (d). Security layer decisions	1	CO1
Q 4	Insurance is applied under which risk management technique? (a). Sharing (b). Retention (c). Reduction (d). Diversification	1	CO1
Q 5	Underwriting is: (a). Risk assessment in a proposal (b). Loss estimation (c). Writing off premium (d). All mentioned	1	CO1
Q 6	Which is not the Banking Industry Risk: (a). Liquidity & Interest Risk (b). Market Risk & Operational Risk (c). Credit & Default Risk (d). Claims & Customer Risk	1	CO1
Q 7	In Software Application Architecture ESB stands for: (a). Electronic Service Bus (b). Enterprise Service Bus (c). Economic Sample Beuro (d). None of these	1	CO1
Q 8	Integration of external application is SOA based. SOA stands for ____ : (a). Service Oriented Architecture (b). Systems Oriented Architecture (c). Systems on Android (d). None of these	1	CO1
Q 9	BTAA and ITAA both stands for ____: (a). Core Banking System (b). Core Insurance System (c). Software Architecture for an industry (d). None of these	1	CO1
Q 10	Prism pyramid representation of Business context & IT context hierarchy model establish: (a). Business Context & IT context hierarchy is reciprocal (b). Business Context & IT context hierarchy is in directly proportional (c). Business Context & IT context have no relation with each other (d). Business context & IT context is same	1	CO1
Q 11	CIL in Banking & Insurance stands for_____: (a). Customer Integration Layer (b). Critical Intensive Ledger (c). Channel Integration Layer (d). Central Integration Line	1	CO1
Q 12	Why CRM is not part of Core Banking & Insurance System? (a) CRM is not B&I product or Service (b). CRM is bi product to run B&I operation smoothly (c). Due to competition, any industry can't run without CRM application (d) None	1	CO1

Q 13	LAV stands for _____ in Banking & Insurance: (a). Life Assurance Value (b). Layered Architecture View (c). Large Architecture View (d). None	**1**	**CO1**
Q 14	OSS Products cannot be used in Banking Application due to critical mission operations & Security reasons: (a). True (b). False	**1**	**CO1**
Q 15	Reports functions of the application architecture is the most important function for any Business Organization, but not true in Banking Industry! (a). True (b). False	**1**	**CO1**
Q 16	What is Layered Architecture: (a). The components are designed to layers to control inter component interaction (b). The components are designed to layers to control the data flow into specific directions (c). Both Statement correct (d). None of these	**1**	**CO2**
Q 17	Which of the following style main goal is to achieve portability, modifiability with the ease of parameterization? (a). Independent component architecture (b). Layered Architecture (c). Heterogeneous Styles (d). None of these	**1**	**CO2**
Q 18	Which of the following does Software Architecture consist of? (a). Architecture consists of some structures that do not necessarily resemble each other (b). Architecture consists of many structures that do necessarily resemble each other (c). Architecture consists of many structures that do not necessarily resemble each other (d). Architecture consists of some structures that do necessarily resemble each other	**1**	**CO2**
Q 19	What are the main reasons, in Banking & Insurance software architecture, we try to avoid pipe & filter function: (a). Interactive applications are difficult to create (b). No way for a filter to cooperatively interact to solve a problem (c). Performance is poor due to several reasons (d). All of these	**1**	**CO2**

Q 20	What are Virtual Machine Styles?
	    (a) They are software styles that simulates some functionality that is not native to the H/w or S/w on which, it is implement
	    (b) They are software styles that simulates some functionality that is native to the H/w & S/w on which, it is implemented
	    (c) They emphasize on incremental transformation of data by successive components
	    (d). All of the above
		1	**CO2**

Q 21	Which of the following can considered as stakeholders in Software Architecture? (a). End User (b). System Administrator (c). The development Team (d). All of these	**1**	**CO2**
Q 22	Which paradigms of a system is represented in the Software architecture_____: : (a). Behavioral (b). Structural (c). Both Statement (d). None of these	**1**	**CO2**
Q 23	Which version is not the part of architectecture overview? (a). The Enterprise Architecture view (b). The Layered view (c). The IT Systems View (d). Business View	**1**	**CO2**
Q 24	System Context diagram analogy can be represent in OOPS___: (a). Class Diagram (b). Use Case Diagram (c). Sequence diagram (d). Communication Diagram	**1**	**CO2**
Q 25	For Software Architecture, Which statement is not correct: (a). All architectures are designs, but not all designs are architecture (b). Functional view & Operational view are mainly two views (c). Software components are the building blocks of the S.A. (d). Documentation of Software Architecture is not important	**1**	**CO2**

Q 26	Which is not the artifacts of Software Application Architecture_____ : (a). System Context (b). Architecture Overview & Functional architecture (c). Operational Arhitecture and Architecture Decisions (d). Business Context	**1**	**CO2**
Q 27	System Context means to understand the interaction of the entire system with external entities. In this case, the entire system to be built represented as Black Box : (a). True (b). False	**1**	**CO2**
Q 28	Which is not the artifacts of System Context : (a). Users & Roles (b). Channels & External Systems (c). Information Flow (d). Technology Enablers	**1**	**CO2**
Q 29	What is not correct for technology enablers: (a). Enterprise view highlights the key set of technology enablers (b). Technology enablers constitute part of of the IT infrastructure (c). Technology enablers required to support implementation of core business processes (d). Provider of CBS is always technology enabler	**1**	**CO2**
Q 30	First layer called Operational Layer in Layered architecture view does not contains: (a). Custom & packaged application (b). Object Oriented & legacy systems (c). Various Databases (d). Enterprise Service Bus (ESB)	**1**	**CO2**
Q 31	In Architecture overview-IT system view, which statement is not true: (a). The IT System view provides an additional level of detail and shows the main nodes of the architecture (b). The IT system view will be the the starting point for the component model and operational model (c). The IT System view should be adequately documented (d) IT overview justify the Business context of the Application	**1**	**CO3**
Q 32	Banking business systems were always a service business and never a product business: (a). True (b). False	**1**	**CO3**
Q 33	Which statement is not correct for Core General Ledger: (a). CGL is the core of the Banking Application Suite (b). This is where, all the transactions get codified and converge (c). CGL function to capture the entire organization business centrally (d). CGL Applications represent only Core products like Deposits & Loan product application	**1**	**CO3**
Q 34	In Current & Saving account Product Definition, ""identifier"" purpose is to provide each product or its variant an unique identification number provided by the application, same like students SAPID no. in UPES : (a). True (b). False	**1**	**CO3**
Q 35	Customer Information System (CIS) is the most important core system for a bank, it constitutes by: (a). Customer Creation (b). Customer Management (c). Customer Information Management (d). All of these	**1**	**CO3**
Q 36	Which application is not the part of Other terrestrial Core Banking Applications: (a). Signature Verification (b). Clearing (c). Report Universe (d). CRM	**1**	**CO3**
Q 37	Which is not true for IBM Banking Industry Framework Solutions: (a). IBM Provides End to End/turnkey solutions for Bankin industry operations (b). IBM Banking industry framework is bunch of CBS, payments, risk management, customer care & insight domain solutions (c). IBM due to its exposure to Banking industry, integrate all applications, technology, storage & channels to provide ready to use solution deployment in automation of Banking (d). In IBM Banking Industry framework, IBM produce, generate, create all required H/w, S/w & networking solutions by himself to provide smooth operations	**1**	**CO3**

Q 38	Which statement is not true for Banks: (a). Banking is defined as accepting deposits for the purpose of lending (b). Lending functions of the bank are driven by the products that the banks offer (c). Different types of loan offered by the banks as per their class, type & nature of business (d). Due to risk associated in Loan, Bank give loans to the peoples, who have enough security deposits in Banks	1	CO3
Q 39	Which are the main modules of Lending applications: (a). Loan Origination (b). Loan Servicing (c). Both Modules (d). None of these	1	CO3
Q 40	Which submodule is not the part of Loan Servicing module (a). Sanction of Loan (b). Disbursement of Loan (c). Securitization (d). Repayment management	1	CO3
Q 41	Banking Core System require several other terrestrial applications to be integrated with the system to complete the functionality of the Banking business. (a). True (b). False	1	CO3
Q 42	Which is not the example of Terrestrial Application: (a). Channel Applications (b). Core Business like Product administration, Billing, Risk mgmt. (c). Payments and Fund transfer applications, Business Partner applications. POS & EFTS integration (d) Other Banking applications like Point Solutions, Reports, CRM, CIBIL, CMA, DMA, Workflow functions	1	CO3
Q 43	Point solution is a standalone solution, which can be independently utilized for a specific business functionality without needing to integrate into the core system. Which is correct statement for Point Solutions: (a). The Point solution in the business domain used many times to provide a special capability to the business (b). Hardwiring of some of their internal applications and technical components and hence need those components mandatorily to work (c). Own internal workflow, Own defined database & structure with internal messaging definitions would supersedes any workflow or process functionally when integrated (d). All of these	1	CO3
Q 44	Reports can be classified into: (a). Types of reports on period base (b). Types of reports on functional usage (c). Both (d). None of these	1	CO3
Q 45	Which type of report is not the correct example of functional usage: (a). Dashboard (b). Management & Audit reports (c). Statutory reports (d). Public & Event based reports	1	CO3
Q 46	What are the modes of report generations: (a). Data feed Push to reporting applications (b). Data feed pull by reporting applications (c). Canned report generation & availability (d). All of these	1	CO4
Q 47	Correct definition of channels for Banking: (a). Channels refer to the mode of delivery of Banking products & services (b). There are four types of available channels: Physical, Semi Physical, Digital & Plastic (c). Channels are the frontend applications/UI & UX for the users (d). All of these	1	CO4
Q 48	A customer during his lifecycle with Bank, use following group of transactions: (a). Information & Relationship transactions (b). Cash, Non-Cash & Non-Cash Non-fund transactions group	1	CO4

	(c). Documentation Transactions Group (d). All of the above		
Q 49	Which channel is example of Plastic Channels: (a). POS (Point of Sale) (b). E-wallet (c). Both (d). None of these	**1**	**CO4**
Q 50	In Insurance business, which one is not the functional drill down of Relationship transaction: (a). Policy Sales & documentation (b). Underwriting & premium collection (c). Loan over the policy (d). Claims & Maturity	**1**	**CO4**
Q 51	Which Business Suite does not belongs to Insurance Business: (a). Policy Issuance & Premium Collection (b). Policy Service & Claim settlement (c). Database management & Backup solution (d). Fund management	**1**	**CO4**
Q 52	Main Function of Enterprise Service Bus (ESB) is: Choose best answer: (a). Service Registry (b). Service management & Invocation (c). Service Gateway (d). Integration Layer among different layers	**1**	**CO4**
Q 53	What is the main reason of external Applications required for Banks & Insurance: (a). Core Banking & Core Insurance Applications (b). Terrestrial Applications (c). Channel Applications (d). Interplay among pillars of BFSI requires various other products & services to provide customers one stop solution force B&I to integrate external applications	**1**	**CO4**
Q 54	Which is not the example of External application: (a). Analytics Applications (b). SWIFT (c). Clearing (d). ATM Application	**1**	**CO4**
Q 55	ESB provides internal firewall among different layers communication: (a). True (b). False	**1**	**CO4**
Q 56	We studied Banking & Insurance Applications Architecture, If you wish to make Financial Service Application, are the fundamentals will be the same? Choose the best answer: (a). Core fundamental will be same, only Products & Services will be change as per F S industry requirements (b) Core will be same, but terrestrial applications will be not there (c). Stock market use speculations, so software applications not possible (d). As Financial Services is subject to Market Risk, so still measure sentiments, future & Option, Company operation, total automation using AI & ML is challenge for Software industry."	**1**	**CO4**
Q 57	Risk Management & Compliance suite is also part of Software Applications for Banking: (a). True (b). False	**1**	**CO4**
Q 58	It is mandatory to use RBI authorized CBS for banks and IRDAI authorized Core Insurance Application for Insurance companies. (a). False (b). True	**1**	**CO4**
Q 59	Service Oriented Architecture (SOA) is wider enhanced view than OOPS applications for any industry: (a). True (b). False	**1**	**CO4**
Q 60	Switching from one channel to another channel during any transaction is still a challenge due to: (a). Security reason (b). Technical reason (c). Functional reason (d). Economical reason	**1**	**CO4**