### **1. Multiple-Choice Questions**

**Q1. What is the primary purpose of the SAP Business Technology Platform (SAP BTP)?**

* A. To provide a centralized repository for customer data.
* B. To enable businesses to innovate, integrate, and transform operations using services such as application development, automation, and AI.
* C. To manage the physical infrastructure of on-premise SAP installations.
* D. To serve as an exclusive platform for SAP Fiori development.

*Answer: B*

(Referenced from [67†source])

**Q2. Which of the following is NOT a feature of SAP's side-by-side extensibility?**

* A. Side-by-side extensions run directly on SAP S/4HANA’s ABAP server.
* B. Extensions are decoupled from the core application.
* C. Integration happens through APIs and events.
* D. The lifecycle of extensions is independent from the SAP application lifecycle.

*Answer: A*

(Referenced from [70†source])

**Q3. What is the core data modeling framework in SAP CAP?**

* A. SAP Fiori
* B. OData
* C. Core Data Services (CDS)
* D. SAP HANA SQL

*Answer: C*

(Referenced from [70†source])

**Q4. Which tool provides a visual representation of the structure of a Fiori application in SAP Business Application Studio?**

* A. Ajax Mapper
* B. Page Map
* C. List Page Designer
* D. Event Handler

*Answer: B*

(Referenced from [70†source])

### **2. True/False Questions**

**Q5. In SAP CAP, event handling occurs in three phases: Before, On, and After.**

* True
* False

*Answer: True*

(Referenced from [70†source])

**Q6. JSON files are more readable and provide better human readability compared to YAML files.**

* True
* False

*Answer: False*

(Referenced from [66†source])

**Q7. SAP Cloud SDK supports both Java and JavaScript and simplifies API communication for extension development on SAP BTP.**

* True
* False

*Answer: True*

(Referenced from [69†source])

### **3. Scenario-Based Questions**

**Q8. You are developing a side-by-side extension for an SAP S/4HANA Cloud application using SAP BTP. Your extension needs to integrate with the core system using real-time data, but it should not interfere with the SAP S/4HANA lifecycle. Which SAP technology stack will you use, and what best practice will you follow to ensure clean integration?**

* A. Use ABAP-based development on SAP S/4HANA's core server, modifying the core system for each extension.
* B. Use the SAP Cloud Application Programming Model (CAP) to build the extension and integrate through SAP APIs to keep the core clean.
* C. Use custom Java code directly inside SAP S/4HANA Cloud for all real-time interactions.
* D. Deploy a custom solution directly on the ABAP application server and modify core data tables.

*Answer: B*

(Referenced from [70†source])

**Q9. Your organization is adopting SAP BTP to develop cloud-native applications. You need to ensure that the applications are scalable, and you are tasked with setting up the environment. Which runtime environment will you choose, and what benefits does it offer?**

* A. SAP BTP ABAP Runtime for non-ABAP-based extensions.
* B. Cloud Foundry Runtime, allowing flexibility with multiple programming languages like Node.js and Java.
* C. SAP BTP Kyma Runtime for hosting on-premise solutions.
* D. SAP BTP Workflow Service for handling user-based workflows only.

*Answer: B*

(Referenced from [70†source])

**Q10. As a developer, you are building a full-stack application on SAP BTP using the CAP model. The application should support real-time analytics. Which database technology will you use, and how does it support your requirement?**

* A. PostgreSQL because it supports high-availability deployments.
* B. SAP HANA Cloud because it provides in-memory real-time analytics capabilities.
* C. SQLite for simple local development of real-time systems.
* D. MongoDB for storing hierarchical data.

*Answer: B*

(Referenced from [70†source])

### **4. Matching**

**Q11. Match the following components of SAP BTP to their descriptions:**

* **A. SAP Integration Suite**:
  1. Enables real-time analytics and AI-based insights.
* **B. SAP Build Work Zone**:

2. Provides connectivity between on-premise and cloud systems.

* **C. SAP HANA Cloud**:

3. Helps build personalized role-based websites.

**Answer:**

* **A-2**
* **B-3**
* **C-1**

(Referenced from [71†source])

**Q12. Match the following SAP services to their use cases:**

* **A. SAP Business Application Studio**:
  1. Development environment for building enterprise applications on SAP BTP.
* **B. SAP Integration Suite**:

2. Facilitates integration across on-premise, cloud, and third-party applications.

* **C. SAP Build Process Automation**:

3. Automates repetitive tasks and enhances process efficiency.

**Answer:**

* **A-1**
* **B-2**
* **C-3**

(Referenced from [70†source])

**Q13. Match the following cloud environments with their characteristics:**

* **A. Public Cloud**:
  1. Dedicated infrastructure managed exclusively for one organization.
* **B. Private Cloud**:

2. Services made available to the general public over the internet.

* **C. Hybrid Cloud**:

3. Combination of private and public clouds to optimize both security and scalability.

**Answer:**

* **A-2**
* **B-1**
* **C-3**

(Referenced from [71†source])

### **5. Multiple-Choice Questions (Continued)**

**Q14. What is the purpose of Core Data Services (CDS) in SAP CAP?**

* A. To create database tables for each business entity.
* B. To model data and service definitions in a reusable and consistent manner.
* C. To automate the deployment of SAP Fiori applications.
* D. To manage authorization roles for different business users.

*Answer: B*

(Referenced from [69†source])

**Q15. In the SAP Cloud SDK, which feature helps developers handle resilience and fault tolerance in cloud applications?**

* A. Cache management
* B. Tenant isolation
* C. OData service generation
* D. Circuit breaker pattern

*Answer: D*

(Referenced from [69†source])

**Q16. When deploying applications to SAP BTP’s Cloud Foundry environment, which command is used to push the application to the platform?**

* A. cf run
* B. cf deploy
* C. cf push
* D. cf start

*Answer: C*

(Referenced from [69†source])

**Q17. Which of the following capabilities does SAP SuccessFactors provide?**

* A. Supply Chain Management
* B. Human Capital Management and Employee Experience Management
* C. Customer Relationship Management
* D. Enterprise Resource Planning

*Answer: B*

(Referenced from [71†source])

### **6. True/False (Continued)**

**Q18. SAP’s Industry Cloud provides pre-built cloud applications and services tailored to specific industries.**

* True
* False

*Answer: True*

(Referenced from [71†source])

**Q19. In SAP CAP, OData annotations are used to define the layout and behavior of Fiori apps generated from CDS views.**

* True
* False

*Answer: True*

(Referenced from [70†source])

**Q20. SAP Integration Suite supports real-time messaging and asynchronous data exchange between systems.**

* True
* False

*Answer: True*

(Referenced from [71†source])

### **7. Scenario-Based Questions (Continued)**

**Q21. Your organization wants to automate invoice processing to reduce manual work and improve accuracy. Which SAP BTP service will you choose to achieve this, and how does it help?**

* A. SAP Business Application Studio to build custom applications for invoice processing.
* B. SAP Integration Suite to enable communication between systems.
* C. SAP Build Process Automation to automate repetitive tasks and workflows, such as invoice processing.
* D. SAP Data Warehouse Cloud to store invoice data for future analysis.

*Answer: C*

(Referenced from [70†source])

**Q22. You are tasked with building an extension to SAP S/4HANA Cloud, and the extension must be cloud-native with minimal dependencies on the core system. Which technology stack and approach should you use, and why?**

* A. Develop on the SAP ABAP Application Server and deploy directly to SAP S/4HANA.
* B. Use the SAP Cloud Application Programming Model (CAP) on SAP BTP with API-based side-by-side extensibility.
* C. Modify the SAP S/4HANA database tables directly for real-time integration.
* D. Create a standalone mobile app without any integration.

*Answer: B*

(Referenced from [69†source])

### **8. Fill-in-the-Blank Questions**

**Q23. SAP BTP’s foundational services include application development, automation, integration, and \_\_\_\_\_\_\_\_\_.**

*Answer:* Data and Analytics

(Referenced from [71†source])

**Q24. The command used to push an application to the SAP Cloud Foundry environment is \_\_\_\_\_\_\_\_\_.**

*Answer:* cf push

(Referenced from [69†source])

**Q25. In the SAP Cloud Application Programming Model (CAP), the framework used to model data and services is called \_\_\_\_\_\_\_\_\_.**

*Answer:* Core Data Services (CDS)

(Referenced from [70†source])

### **9. Matching (Continued)**

**Q26. Match the following SAP tools to their primary function:**

* **A. SAP Cloud SDK**:
  1. Simplifies interaction with APIs and supports extension development for SAP S/4HANA Cloud.
* **B. SAP Business Application Studio**:

2. A web-based development environment for building full-stack applications on SAP BTP.

* **C. SAP Build Process Automation**:

3. Automates business processes by reducing manual intervention in repetitive tasks.

**Answer:**

* **A-1**
* **B-2**
* **C-3**

(Referenced from [69†source])

### **10. Multiple-Choice Questions (Continued)**

**Q27. Which of the following is a key benefit of using SAP HANA Cloud as a database for SAP applications?**

* A. SAP HANA Cloud offers limited real-time capabilities.
* B. SAP HANA Cloud provides in-memory data processing for faster analytics and data retrieval.
* C. SAP HANA Cloud only supports traditional SQL queries.
* D. SAP HANA Cloud is designed for on-premise deployment only.

*Answer: B*

(Referenced from [70†source])

**Q28. Which SAP BTP service would you use to seamlessly integrate cloud applications with on-premise SAP systems?**

* A. SAP Integration Suite
* B. SAP Fiori Elements
* C. SAP Build Work Zone
* D. SAP Business Application Studio

*Answer: A*

(Referenced from [71†source])

**Q29. What is a key benefit of the "keep the core clean" principle when developing SAP extensions?**

* A. It allows direct modification of SAP S/4HANA core data tables.
* B. It decouples custom extensions from the core SAP system, making upgrades easier.
* C. It enables real-time changes to the core system without downtime.
* D. It permits ABAP code modification directly within SAP S/4HANA Cloud.

*Answer: B*

(Referenced from [70†source])

### **11. Scenario-Based (Continued)**

**Q30. Your team needs to develop an enterprise-grade application using SAP BTP that can handle multiple tenants and ensure data isolation. Which SAP service or framework will best support this requirement, and why?**

* A. SAP Business Application Studio for its development tools.
* B. SAP CAP with multi-tenancy support to isolate tenant data.
* C. SAP Integration Suite to connect external tenants.
* D. SAP Fiori Elements for creating UIs.

*Answer: B*

(Referenced from [69†source])

**Q31. Your company wants to implement a system where a customer can place orders through an app that integrates directly with SAP S/4HANA Cloud. The app also needs to display real-time inventory data. Which SAP BTP service will you use to handle integration between the app and SAP S/4HANA, and why?**

* A. SAP Fiori Elements because it allows building UIs.
* B. SAP Integration Suite for seamless real-time integration between the app and SAP S/4HANA Cloud.
* C. SAP CAP for generating real-time APIs.
* D. SAP Workflow Service for managing customer interactions.

*Answer: B*

(Referenced from [71†source])

**Q32. You are tasked with building a custom application that collects data from IoT sensors and integrates this data with SAP S/4HANA Cloud for further analytics. Which runtime and framework should you use to develop this application on SAP BTP, and why?**

* A. SAP BTP ABAP Runtime with direct database access.
* B. SAP BTP Kyma Runtime using event-based microservices for handling sensor data.
* C. SAP Business Application Studio with the Java SDK for IoT devices.
* D. SAP Build Process Automation for gathering data.

*Answer: B*

(Referenced from [70†source])

### **12. Multiple-Choice (Continued)**

**Q33. What are the key benefits of the SAP Cloud Application Programming Model (CAP)?**

* A. Enables real-time data visualization without the need for a backend.
* B. Provides a structured framework for building enterprise-grade cloud applications with built-in support for services, data models, and APIs.
* C. Directly modifies SAP core applications with minimal restrictions.
* D. Focuses only on the frontend side of development.

*Answer: B*

(Referenced from [70†source])

**Q34. Which of the following are the foundational pillars of SAP Business Technology Platform (BTP)?**

* A. Blockchain, IoT, and Edge Computing
* B. Application Development, Automation, Integration, and Data & Analytics
* C. Identity Management, Data Governance, and Cloud Security
* D. Database Management, Data Migration, and UI Development

*Answer: B*

(Referenced from [71†source])

**Q35. In the SAP Cloud Application Programming Model (CAP), what role does the "service layer" play?**

* A. Manages the application's user interface (UI) design.
* B. Enables external systems and UIs to communicate with the application's business logic through APIs.
* C. Serves as a database layer for handling raw data.
* D. Handles system-level operations like network and storage.

*Answer: B*

(Referenced from [70†source])

**Q36. Which command is used to deploy a Node.js-based CAP application to the SAP BTP Cloud Foundry environment?**

* A. cf push
* B. npm start
* C. deploy --cf
* D. cds serve

*Answer: A*

(Referenced from [69†source])

**Q37. What is the purpose of SAP Build Work Zone in SAP BTP?**

* A. To integrate third-party software with SAP Fiori.
* B. To provide a role-based digital workplace and unify business applications into a single user experience.
* C. To manage API connectivity between SAP systems and external applications.
* D. To generate machine learning models for business automation.

*Answer: B*

(Referenced from [71†source])

### **13. True/False (Continued)**

**Q38. The "Page Map" feature in SAP Business Application Studio provides a visual representation of the structure of an SAP Fiori application.**

* True
* False

*Answer: True*

(Referenced from [70†source])

**Q39. SAP Concur is part of SAP's Customer Experience solutions, focusing on improving marketing and sales processes.**

* True
* False

*Answer: False*

(Referenced from [71†source])

**Q40. The SAP BTP Kyma Runtime is an open-source extension framework that allows developers to build cloud-native applications with event-driven microservices.**

* True
* False

*Answer: True*

(Referenced from [70†source])

### **14. Matching**

**Q41. Match the following SAP services with their correct description:**

* **A. SAP Build Apps**
  1. Provides a low-code environment to create and manage business applications.
* **B. SAP Integration Suite**

2. Facilitates real-time messaging and data exchange across systems.

* **C. SAP Fiori Elements**

3. Provides pre-built UI templates and patterns for creating SAP Fiori applications.

**Answer:**

* **A-1**
* **B-2**
* **C-3**

(Referenced from [71†source])