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| **C:\Users\ADMIN\Desktop\j.png** | **JAIPURIA INSTITUE OF MANAGEMENT, INDORE**  **Post Graduate Diploma in Management** |
| **Course Title: Cloud Computing, (Course Code:) 40836**  **End-Term Examination, Term - VI (April, 2024)** | |
| **Time Duration : 2 Hours Total Marks: 40** | |

***General Instructions*:**

1. *Answer the questions as directed. The break-up of the marks is given wherever necessary.*
2. *Marks against each question is indicated to its right.*
3. *Answer all the questions of a ‘Section/Question’ at one place in continuation.*
4. *Answers should be brief and to the point.*
5. *Do not write on the question paper except your roll number.*

**Make suitable assumption, wherever required.**

**SECTION - A**

**Q1.** **Describe** the following models of Cloud computing with their usage, based on business (assume any business of your choice), mention the problem scenario for which below mention cloud model is used considering its advantages & disadvantages.

1. Infrastructure as a Service
2. Platform as a Service
3. Software as a Service
4. Public Cloud
5. Private Cloud  **(3 x5 = 15 Marks)**

**Q2**. As a Business analyst, you are asked to **develop** a report for a startup IT business company. The focus is on the pros and cons of adopting PaaS for application development. Your audience includes CTOs, project managers, and developers. Apply the major advantages and challenges associated with PaaS platforms and present the report with your suggestions? **(10 Marks)**

**Q3.** “ChainX,” a prestigious 5-star hotel chain, aims to enhance its operations, guest experiences, and cost efficiency. The management recognizes the potential of cloud computing and is considering adopting Amazon Web Services (AWS) as their cloud solution. The top management of ChainX identifies the following objectives

Objectives:

**Scalability and Agility:**

Accommodate peak seasons seamlessly.

Adapt swiftly to market dynamics.

**Cost Efficiency:**

Reduce capital expenditure on physical servers.

Optimize operational costs through pay-as-you-go models.

**Enhanced Guest Experience:**

Personalize services based on guest preferences.

Ensure real-time access to reservations, room service, and amenities.

**Discussion Questions for Decision-Makers**:

1. How can AWS enhance scalability during peak seasons for ChainX Luxury Hotels?
2. What cost-saving benefits can the hotel chain achieve by migrating to AWS?
3. Discuss the impact of personalized services on guest satisfaction and loyalty.
4. How would you address data security concerns when moving sensitive guest information to the cloud?
5. Explore the role of mobile apps in improving the overall guest experience.

As a Business Analyst, you need to **apply** the insights of AWS and its application usage for above industry and develop report on above discussion questions to decision makers. **(3x5 = 15 Marks)**