

MOCK TEST PAPER-I
INTERMEDIATE GROUP – II
PAPER – 7: ENTERPRISE INFORMATION SYSTEMS AND STRATEGIC MANAGEMENT

SECTION – A: Enterprise Information Systems

Time Allowed – 1½ Hours

Maximum Marks: 50 Marks

PART I: MULTIPLE CHOICE QUESTIONS

Total Marks: 15 Marks

Question No(s). 1 to 5 carries 2 marks each.

HappyTour is a Delhi based Tour and Travel agency that provides various travel facilities like making tour plans, charter flights, holiday packages, homestays and villas, Airline/Cruise ticketing, Hotel booking, Rental Cars/bikes etc. in India. At the time of the launch, they had manual booking system but over the period, they adopted the online booking system so that better services can be provided to its customers. The agency enjoys the huge increase in its clientele using its online portal that provides following services to its customers:

- **Travel Management:** This area of services includes the management and reservation of transport tickets, searches for accommodations, car rentals, etc.
- **Passenger assistance:** Assisting passengers in case of exigencies like deportation due to illness, accident or emergency, lost luggage, or documents, etc.
- **Consulting:** This includes consulting services like information of interest for the traveller, cost optimisation and control, advice on travel policies, etc.
- **Leisure Services:** Through this, the company offers direct discounts or improved conditions on travel and leisure activities to the employees and their families.

Furthermore, the online system has smoothened its business processes and has helped the agency in improvising its services and receive prompt feedbacks from its customer. It has also prompted the digital payment methods that are often easy to make and provide its customers the flexibility to make payments from anywhere, anytime. Customers can pay using credit card, debit card or UPI methods. All these details are maintained by accounts department of the agency headed by Mr. Anil.

Attempt the Q. No(s) 1 to 5 based on the above case scenario.

1. During the internal audit of ABC Bank, the payments made by the customers to the HappyTour Travel agency brought special notice. It was noticed that such transactions that contained small fractions of denomination, were getting replaced with the next lower whole number to the payment amount and the difference amount was getting transferred into an authorized account of ABC Bank and was getting unnoticed as the amount used to be very small. Which data related risk does this refer to?
 - (a) Salami Technique
 - (b) Rounding down
 - (c) Data Diddling
 - (d) Rounding up

2. Mr. Anil maintains the vouchers that are related to the money received in agency's bank account through any mode either cash or bank like receiving interest from bank. Which voucher is being referred here?
 - (a) Receipt
 - (b) Payment
 - (c) Contra
 - (d) Journal

3. The HappyTour Travel agency hired the services of the company XYZ which provided the details like credit scoring, and approval, customer segmentation, forecasting operations etc. by using the process of data mining on the data collated through various travel agencies. But there shall be certain criterions that the data warehouse of the agency shall follow so that the data mining can be well implemented on it. Choose the odd criterion:
 - (a) Non-Operational Data
 - (b) Time-variant
 - (c) Standardized
 - (d) Operational Data

4. HappyTour Travel agency uses its online portal to provide various services to its customers. Customers can book hotel or avail the facility of homestay and villas through the agency's portal. Which business model of e-commerce is being used by the agency in this case?
 - (a) Business – to – Consumer (B2C)
 - (b) Business – to – Business (B2B)
 - (c) Consumer – to – Business (C2B)
 - (d) Consumer – to – Government (C2G)

5. The online transactions between HappyTour travel agency and its customers involve the payment gateways or third-party service providers, thereby possibility of many risks being pervasive in the banking sector, is quite high. These risks could occur at any level like Operational, Strategic, Tactical etc. Below mentioned are some Operational risks that could occur in the banking environment:
 - (i) Occurrence of errors during data entry.
 - (ii) Dispute in the contracts with the customers.
 - (iii) Threats and vulnerabilities associated with the use of Information Systems.
 - (iv) Unauthorized access to the dealing rooms and nexus between front and back-end offices.

Various terms to categorize these Operational Risks are given below:

 - (I) Legal Risk
 - (II) Transaction Processing Risk
 - (III) People Risk
 - (IV) Information Security Risk

Match the correct activity with the type of Operational risks involved under that risk:

 - (a) (i) – (I), (ii) – (II), (iii) – (III), (iv) – (IV)
 - (b) (i) – (II), (ii) – (I), (iii) – (IV), (iv) – (III)

- (c) (i) – (IV), (ii) – (III), (iii) – (II) (iv) – (I)
- (d) (i) – (III), (ii) – (I), (iii) – (IV) (iv) – (II)

Question No(s). 6 to 10 carries 1 Mark each.

6. The management of an organization anticipates that impact and probability of some risks is very high and therefore recommended to modify the project strategy to avoid those specific risks. Identify the risk management strategy being followed by the organization in this case.
 - (a) Eliminate the risk
 - (b) Accept the risk
 - (c) Share the risk
 - (d) Mitigate the risk

7. Which of the following statement is incorrect about the process of Data Analytics?
 - (a) This process involves analysis of numerical or non-numerical data to draw conclusions about the information they contain.
 - (b) The process involves collecting, integrating, and preparing data followed by developing, testing, and revising analytical models to produce accurate results.
 - (c) The data used in the process can either be derived from internal systems or external data sources and cannot be the blend of two.
 - (d) Big data analysis applies data mining, predictive analysis, and machine learning tools to big data sets to produce the relevant results.

8. The key areas that an auditor should emphasize while auditing an Application Control Framework of an organization are mentioned below.
 - (i) Auditors should determine whether the report collection, distribution and printing controls are well executed in an organization or not.
 - (ii) Auditors should assess the performance of the validation controls to check for any data processing errors.
 - (iii) Auditors need to determine how well the safeguard assets are used and preserve data integrity.
 - (iv) Auditors need to comprehend various approaches used to enter data into an application system and their relative strengths and weaknesses.
 - (v) Auditors must assess the topological controls to review the logical arrangement of various nodes and their connectivity using various internetworking devices in a network.

The auditing of Application Control Framework can be categorised as under:

- I. Auditing Input Controls
- II. Auditing Communication Controls
- III. Auditing Boundary Controls
- IV. Auditing Output Controls
- V. Auditing Processing Controls

Match the key area with its corresponding category of auditing of Application Control:

- (a) (i) – I, (ii) – II, (iii) – III, (iv) – IV, (v) – V

- (b) (i) – IV, (ii) – V, (iii) – III, (iv) – I, (v) – II
- (c) (i) – V, (ii) – III, (iii) – I, (iv) – IV, (v) – II
- (d) (i) – I, (ii) – V, (iii) – III, (iv) – II, (v) – IV
9. Which of the following statement is not correct about Mobile Wallet?
- (a) A user can add money in his mobile wallet to purchase goods and services.
- (b) A user can add money in the mobile wallet by using his Debit/Credit Card and entering the CVV or 4-digit pin.
- (c) The mobile wallet can be used to make payments at physical shops, recharge phone and online purchases.
- (d) Some of the common examples of Mobile wallet are Paytm, Freecharge, Buddy, MobiKwik etc.
10. Various controls that are mentioned below are associated with security of information in Banking environment at different levels.
- (i) Details of lost security forms are immediately advised to controlling authorities so that they can exercise caution.
- (ii) The access to the system is available only between stipulated hours and specific days only.
- (iii) Maintenance of log-in and log-out records.
- (iv) A system of job rotation among staff exists.
- Following controls which are implemented at different levels in Banking environment are as under:
- (I) Internal Controls
- (II) Information Technology Controls
- Match the risks with their corresponding controls.
- (a) (i) – (I), (ii) – (II), (iii) – (II), (iv) – (I)
- (b) (i) – (II), (ii) – (II), (iii) – (I), (iv) – (I)
- (c) (i) – (II), (ii) – (I), (iii) – (I), (iv) – (II)
- (d) (i) – (I), (ii) – (II), (iii) – (I), (iv) – (II)

Part II: DESCRIPTIVE QUESTIONS

Question No. 1 is compulsory. Attempt any three out of remaining four questions.

1. (a) In today's world, the Core Banking System (CBS) that comprises of central server, back-end applications and front-end applications have built a competitive environment in banking industry. Briefly explain any three back-end applications involved in key module of CBS. **(3 Marks)**
- (b) Write a short note on System Control Audit Review File (SCARF) audit tool. **(2 Marks)**
2. (a) ABC Ltd. is intending to implement ERP in its working environment to improve, streamline and make the business processes more efficient and effective. The management of ABC Ltd. knows the fact that ERP implementation involves risks related to various aspects including people, process, technological and implementation issues. Discuss any three People related risks and their corresponding controls that management has to take care. **(6 Marks)**
- (b) Mr. Amit, an Executive Officer has been assigned a task to prepare a document for the Annual Board meeting for which he is required to take inputs from Head HR, Head Marketing and Head Production department. He prepares a Google document and shares the same with Head of

these three departments so that they can provide their suggestions in the Google document online. Identify the service model of Cloud Computing that has been used at back-end at the time Mr. Amit shared the Google document and further brief about the instances of that model.

(1 + 3 = 4 Marks)

3. (a) ABC Ltd. is a Mumbai based financial service provider company with huge clientele. The company owns a software to maintain data of its customers with Database controls in place to ensure the integrity and privacy of its data. Describe all the Database controls that may have been implemented under their Application Control framework of information system. **(6 Marks)**
- (b) Being a global standard of exchanging information, eXtensible Business Reporting Language (XBRL) is used to enhance the quality and consistency of their reports to exchange financial information for many purposes. Briefly explain about the stakeholders of XBRL. **(4 Marks)**
4. (a) Grid Computing is a special kind of distributed computing model used to solve complex problems among different interconnected domains with each domain administrated independently and free to deploy technologies. Briefly explain the constraints that should be considered to develop the security architecture of Grid Computing. **(6 Marks)**
- (b) Business Process Automation (BPA) comprises of integrating applications and using software application throughout the organization that ensures that errors are eliminated, and system runs smoothly and efficiently. List the steps involved in implementation of BPA. **(4 Marks)**
5. (a) In any Information System; various controls are implemented to prevent, detect, and facilitate the correction of several risks at various levels in the computer system. Describe various levels at which implementation of these controls are required to be examined in computer system. **(6 Marks)**
- (b) Most of the banks offer Credit card as one of the key product services to their customers. The processing flow of credit cards may have various risks and controls that may differ from bank to bank. Elaborate various risks and their relevant controls involved in credit card processing of bank. **(4 Marks)**

OR

Write a short note on the following:

(i) Cyber Crime

(ii) Reserve Bank of India (RBI)

(2 x 2 = 4 Marks)

SECTION – B: STRATEGIC MANAGEMENT

Time Allowed – 1½ Hours

Maximum Marks – 50

Question 1 and 2 are compulsory.

Attempt any **three** questions out of remaining **four** questions.

1. (A) Chantele, a management consultant from Rome (Italy) was on an official tour of Rajasthan, when she realised the tourism boom that the state experiences from around the globe. More surprising for her was the price offering of major cafes and lounges which were about 1/6th of what was charged in her city Rome. Being a business enthusiast, she decided to explore the business potential in Udaipur for a year.

She had five major areas to learn about and plan;

- Existing Competition
- Location and Rental of her Lounge
- Trainable Team of Individuals (english speaking)
- Raw Material Sourcing and Pricing
- Promotion

Existing competition was high as people were already serving foreign tourists and even tourists liked the desi touch and feel. However, Chantele saw the segment of customers who were willing to find travel partners for their further trips. They would enjoy a cup of coffee, or a jug of cooler to chit chat and build a network on their vacation. For location, she got lucky with an old property just on the lake side but had to spend a little over budget to renovate even though she took multiple quotations from designers. The rentals in Udaipur have always been high, but she was confident of the cash flow from the business so decided to take the risk.

Rajasthani youth is well trained in english, french and german, and that came as a blessing for her. She was able to employ three girls (customer facing) and two boys (for logistics). Raw Material was a bit tricky to handle though. Good quality coffee beans and fruits were available only from Delhi and Jaipur, which had its own cost of transportation. Milk being a main component for most of the things on the menu needed to be of prime quality. For fruits, she found an alternative in sourcing from nearby villages through local agents, while the milk and coffee had to come from Delhi.

Promotion had been her area of expertise, and this came in handy as she executed a fool proof digital promotion strategy for her lounge. She named it Aroma Lounge, as “A” would give top results in alphabetic order of search by customers online. Within three months itself she managed to get great reviews on major travel websites and thus, loads of customers.

The business was good, cashflows were strong, brand equity gained momentum and Chantele now already plans to open two more branches in the state.

Based on the above Case Scenario, answer the Multiple-Choice Questions which are as follows:

1. Even though Chantele knew she was giving higher rent for the location of her lounge, which of the following strategies helped her take that risk?
- (a) Marketing Strategy
 - (b) Financial Strategy
 - (c) Negotiation Strategy

- (d) Supply Chain Strategy (1 Mark)
2. Suppose Chantele decides to expand her business through franchises across different states that attract major foreign tourists. For this she combines different retailers to source from and makes her main employees as trainers to train more local youth. Which element of strategic intent would this strategy need to focus on and what strategy would best suit her, given the fact that she strongly believes in incremental growth over exponential growth?
- (a) It would need focus on Goals & Objectives and the strategy that would best suit her would be Growth Strategy.
- (b) It would need focus on Mission and the strategy that would best suit her would be Combination Strategy.
- (c) It would need focus on Business Model and the strategy that would best suit her would be Stability Strategy.
- (d) It would need focus on Vision and the strategy that would best suit her would be Growth Strategy. (2 Marks)
3. For Chantele, pricing was an issue as she wanted to deliver international standards of quality at traveler friendly prices. Cost plus pricing was one of the options she considered but quickly realised its shortcomings. Which of the following could be a major reason for not selecting cost plus pricing?
- (a) Outsourcing of Products from Delhi was already costly
- (b) Labour cost was low, but training cost was high so allocation of cost was difficult
- (c) The cost of fruits fluctuates a lot, and hence cost plus also fluctuated variably
- (d) The segment is highly competitive and her margin on cost was irrelevant as customers already knew comparable prices (2 Marks)
4. Suppose a big hotel chain which has no cafe business as yet, acquires Aroma Lounge and its franchises. Can it group these cafes as an SBU? Which factors would be considered for the same?
- (i) No, they cannot be called as an SBU, as the cafe is not a separate business but same line of business as hotels
- (ii) Yes, as it has its own set of distinct competitors and strategy
- (iii) Yes, as it can be subdivided from the core business in terms of functionalities and objectives
- (iv) No, as an SBU shall have a CEO and its set of business functions and Aroma Cafes aren't that big to be categorised as an SBU
- (a) Only (i) is correct
- (b) Both (i) and (iv) are correct
- (c) Only (ii) is correct
- (d) Both (ii) and (iii) are correct (2 Marks)
5. For her vendors, Chantele had a clear thought and she iterated to them as well. The ideology was to foster a long term relationship so as to introduce high quality innovative products that would benefit the customers and other stakeholders?
- (a) Mission
- (b) Vision

- (c) Business Definition
 - (d) Strategic Intent **(1 Mark)**
- (B) Swabhaav, a social media marketing firm introduced an AI based management tool that has the capabilities of managing teams across functions all while being creative. What is the most likely organisational structure post this implementation?
- (a) Divisional
 - (b) Matrix
 - (c) Hourglass
 - (d) Network **(2 Marks)**
- (C) Big Billion Days sale by Flipkart is an example of which type of strategic marketing technique?
- (a) Synchro Marketing
 - (b) Concentrated Marketing
 - (c) Demarketing
 - (d) Enlightened Marketing **(1 Mark)**
- (D) The business news anchor said that “chillflix’s dead business is worth more than alive”. What did she hint at?
- (a) Restructuring Business
 - (b) Liquidation
 - (c) Business Process Re-engineering
 - (d) Divestment **(1 Mark)**
- (E) Shreya, the owner of Kalakaari boutiques, delegated tasks as per competencies of her team. What is she covering here?
- (a) Risk
 - (b) Work Culture
 - (c) Employee friendly vision
 - (d) Proper use of mission statement **(1 Mark)**
- (F) Dogs in BCG Matrix can be minimized through?
- (a) Converting to Cash Cows
 - (b) Liquidating or Divesting
 - (c) Foreign Direct Investment Opportunity
 - (d) Bad Debt Writing off **(1 Mark)**
- (G) Kanchan is the finance head for marketing strategies of a company. Which level of management is she working at?
- (a) Corporate Level
 - (b) Functional Level
 - (c) Shopfloor Level
 - (d) Consultant Level **(1 Mark)**

2. Jynklo Ltd. is an established online children gaming company in Japan. They are performing good in the gaming industry. The management of Jynklo Ltd. has decided to expand its business. They decided to start a premium sports drink named JynX for athletes. Identify and explain the growth strategy adopted by Jynklo Ltd.? **(5 Marks)**
3. (a) What do you understand by 'Competitive Landscape'? What are steps to understand the competitive landscape? **(5 Marks)**
- (b) ABC Ltd. is a shoe manufacturing company. The strategic manager of ABC Ltd. is Ms. Suman. Ms. Suman hired the best designers she could find online for her ethnic shoe brand but later she found that the designers were better at leather designs. Identify and explain linkage in the given situation as she had to change her strategy basis the actual resources she had? **(5 Marks)**
4. (a) Describe the principal aspects of strategy-execution process, which are included in most situations. **(5 Marks)**
- (b) What do you mean by differentiation strategy? How is it achieved? **(5 Marks)**
5. (a) Define Strategic Management. Also discuss the limitations of Strategic Management. **(5 Marks)**
- (b) Define the term 'Marketing'. Distinguish between social marketing and service marketing. **(5 Marks)**
6. (a) Distinguish between Transformational Leadership Style and Transactional Leadership Style. **(5 Marks)**
- (b) Why is strategy evaluation more difficult? Give reasons. **(5 Marks)**

MOCK TEST PAPER-I

INTERMEDIATE GROUP – II

PAPER – 7: ENTERPRISE INFORMATION SYSTEMS AND STRATEGIC MANAGEMENT

SECTION – A: Enterprise Information Systems

Time Allowed – 1½ Hours

Maximum Marks: 50 Marks

Answers

PART I: MULTIPLE CHOICE QUESTIONS

1. (b) Rounding down
2. (a) Receipt
3. (d) Operational Data
4. (a) Business – to – Consumer (B2C)
5. (b) (i) – (II), (ii) – (I), (iii) – (IV) (iv) – (III)
6. (a) Eliminate the risk
7. (c) The data used in the process can either be derived from internal systems or external data sources and cannot be the blend of two.
8. (b) (i) – IV, (ii) – V, (iii) – III, (iv) – I, (v) – II
9. (b) A user can add money in the mobile wallet by using his Debit/Credit Card and entering the CVV or 4-digit pin.
10. (a) (i) – (I), (ii) – (II), (iii) – (II), (iv) – (I)

PART II: DESCRIPTIVE QUESTIONS

1. (a) The back-end applications involved in key module of Core Banking System (CBS) are as follows:
 - **Back Office:** The Back Office is the portion of a company made up of administration and support personnel, who are not client-facing. Back-office functions include settlements, clearances, record maintenance, regulatory compliance, accounting and IT services. Back Office professionals may also work in areas like monitoring employees' conversations and making sure they are not trading forbidden securities on their own accounts.
 - **Data Warehouse:** Banking professionals use data warehouses to simplify and standardize the way they gather data - and finally get to one clear version of the truth. Data warehouses take care of the difficult data management - digesting large quantities of data and ensuring accuracy - and make it easier for professionals to analyze data.
 - **Credit-Card System:** Credit card system provides customer management, credit card management, account management, customer information management and general ledger functions; provides the online transaction authorization and service of the bank card in each transaction channel of the issuing bank; support in the payment application; and at the same time, the system has a flexible parameter system, complex organization support mechanism and product factory based design concept to speed up product time to market.
 - **Automated Teller Machines (ATM):** An Automated Teller Machine (ATM) is an electronic banking outlet that allows customers to complete basic transactions without the aid of a

branch representative or teller. Anyone with a credit card or debit card can access most ATMs. ATMs are convenient, allowing consumers to perform quick, self-serve transactions from everyday banking like deposits and withdrawals to more complex transactions like bill payments and transfers.

(b) The **System Control Audit Review File (SCARF)** technique involves embedding audit software modules within a host application system to provide continuous monitoring of the system's transactions. The information collected is written onto a special audit file- the SCARF master files. Auditors then examine the information contained on this file to see if some aspect of the application system needs follow-up. In many ways, the SCARF technique is like the snapshot technique along with other data collection capabilities.

2. (a) The risks and their corresponding controls that management of ABC Ltd. has to take care to avoid the risks related to **people** are as follows:

Aspect	Risk Associated	Control Required
Change Management	Change will occur in the employee's job profile in terms of some jobs becoming irrelevant and some new jobs created.	Proper training of the users with well documented manuals. Practical hands-on training of the ERP System should be provided so that the transition from old system to ERP system is smooth and hassle free.
	The way in which organization functions will change, the planning, forecasting and decision-making capabilities will improve, information integration happening etc.	It requires ensuring that a project charter or mission statement exists. The project requirements are to be properly documented and signed by the users and senior management.
	Changing the scope of the project is another problem.	This requires clear defining of change control procedures and holds everyone to them.
Training	Since the greater part of the training takes place towards the end of the ERP implementation cycle, management may curtail the training due to increase in the overall cost budget.	Training is a project-managed activity and shall be imparted to the users in an organization by the skilled consultants and representatives of the hardware and package vendors.
Staff Turnover	As the overall system is integrated and connected with each other department, it becomes complicated and difficult to understand. Employee turnover – qualified and skilled personnel leaving the company - during the implementation and transition phases can affect the schedules and result in delayed implementation and cost overrun.	This can be controlled and minimized by allocation of employees to tasks matching their skill-set; fixing of compensation package and other benefits accordingly- thus keeping the employees happy, contented and minimizing the staff turnover.

Top Management Support	ERP implementation will fail if the top management does not provide the support and grant permission for the availability of the huge resources that are required during the transition.	The ERP implementation shall be started only after the top management is fully convinced and assure of providing the full support.
Consultants	These are experts in the implementation of the ERP package and might not be familiar with the internal workings and organizational culture.	The consultants should be assigned a liaison officer - a senior manager – who can familiarize them with the company and its working.

- (b) The service model of Cloud Computing that has been implemented when Mr. Amit shared the Google document is **Software as a Service (SaaS)**. The Instances of SaaS are as follows:

Instance	Description
Testing as a Service (TaaS)	It provides users with software testing capabilities such as generation of test data, generation of test cases, execution of test cases and test result evaluation on a pay-per-use basis.
API as a Service (APIaaS)	It allows users to explore functionality of Web services such as Google Maps, Payroll processing, and credit card processing services etc.
Email as a Service (EaaS)	It provides users with an integrated system of emailing, office automation, records management, migration, and integration services with archiving, spam blocking, malware protection, and compliance features.

3. (a) The Database controls that may have been implemented under the Application Control framework of information system are as follows:
- **Access Controls:** These controls in database subsystem seek to prevent unauthorized access to and use of the data. A security policy has to be specified followed by choosing an access control mechanism that will enforce the policy chosen. If database is replicated, the same access control rules must be enforced by access control mechanism at each site.
 - **Integrity Controls:** These are required to ensure that the accuracy, completeness, and uniqueness of instances used within the data or conceptual modeling are maintained. Integrity Constraints are established to specify the type of relationship and consistency among rows (tuple) in relationship.
 - **Application Software Controls:** When application software acts as an interface to interact between the user and the database, the DBMS depends on application software to pass across a correct sequence of commands and update parameters so that appropriate actions can be taken when certain types of exception condition arise. This is achieved through Update Controls that ensure that changes to the database reflect changes to the real-world entities and associations between entities that data in the database is supposed to represent and Report Controls that identify errors or irregularities that may have occurred when the database has been updated.
 - **Concurrency Controls:** These are required to address the situation that arises either due to simultaneous access to the same database or due to deadlock.
 - **Cryptographic Controls:** These controls can be well used for protecting the integrity of data stored in the database using block encryption.

- **File Handling Controls:** These controls are used to prevent accidental destruction of data contained on a storage medium. These are exercised by hardware, software, and the operators or users who load/unload storage media.
 - **Audit Trail Controls:** The audit trail maintains the chronology of events that occur either to the database definition or the database itself.
 - **Accounting Audit Trail:** This includes the data items to confirm whether an application properly accepts, processes, and stores information, to attach a unique time stamp to all transactions, to attach before-images and after-images of the data item on which a transaction is applied to the audit trail, any modifications or corrections to audit trail transactions accommodating the changes that occur within an application system, and to not only test the stated input, calculation, and output rules for data integrity; but also should assess the efficacy of the rules themselves.
 - **Operations Audit Trail:** This maintains a chronology of resource consumption events that affects the database definition or the database.
- (b) Various stakeholders of eXtensible Business Reporting Language (XBRL) are as follows:
- (i) **Regulators**
 - Financial regulators that need significant amounts of complex performance and risk information about the institutions that they regulate.
 - Securities regulators and stock exchanges that need to analyse the performance and compliance of listed companies and securities and need to ensure that this information is available to markets to consume and analyse.
 - Business registrars that need to receive and make available publicly a range of corporate data about private and public companies, including annual financial statements.
 - Tax authorities that need financial statements and other compliance information from companies to process and review their corporate tax affairs.
 - Statistical and monetary policy authorities that need financial performance information from many different organizations.
 - (ii) **Companies**
 - Companies that need to provide information to one or more of the regulators mentioned above.
 - Enterprises that need to accurately move information around within a complex group.
 - Supply chains that need to exchange information to help manage risk and measure activity.
 - (iii) **Government**
 - Government agencies that are simplifying the process of businesses reporting to government and reducing red tape, by either harmonizing data definitions or consolidating reporting obligations (or both).
 - Government agencies that are improving government reporting by standardizing the way that consolidated or transactional reports are prepared and used within government agencies and/or published into the public domain.

(iv) Data Providers

- Specialist data providers that use performance and risk information published into the marketplace and create comparisons, ratings and other value-added information products for other market participants.

(v) Analysts and Investors

- Analysts that need to understand relative risk and performance.
- Investors that need to compare potential investments and understand the underlying performance of existing investments.

(vi) Accountants

- Accountants use XBRL in support of clients reporting requirements and are often involved in the preparation of XBRL reports.

4. (a) The constraints that should be considered to develop the security architecture of Grid Computing are as follows:

- **Secured Single Sign-on:** Most of the distributed computing systems use identity-based username and password, authentication, and authorization control for accessing a computing system. To access resources from different administrative domains having different security mechanisms, the user needs to authenticate him/her to different domains. This is a very irritating and time-consuming process. To resolve this issue, a mechanism should be established in which a user authenticates once only (e.g., at the point of starting a computation) and then are able to acquire resources, use them, and release them and to communicate internally without any further authentication.
- **Resource Management:** Grid resources are from different administrative domains that have their own local resource managers, and a grid does not have full control of these resources. Allocation of resources to co-users, prioritizing local jobs over system jobs, and managing these resources without ownership is a big issue.
- **Data Management:** The users' data-intensive, high-performance computing applications in grid computing require the efficient management and transfer of huge data. Providing secure, efficient, and transparent access to distributed and heterogeneous pool of data is a big issue in grid computing.
- **Management and Protection of Credentials:** The different multiple systems involved in grid computing require different credentials to access them. The credential management and protection of users' credentials such as passwords are big issues involved in grid computing.
- **Interoperability with local security solutions:** The grid security mechanism may provide access to different domains with a single sign-on, the access to a local resource will typically be determined by a local security policy at a local level. It is very difficult to modify every local resource to accommodate inter-domain accesses. Hence, despite of modifying every local resource there is an inter-domain security server for providing security to local resource.
- **Standardization:** Grid computing as a highly integrated system involves multi-purpose protocols and interfaces to resolve the issues explained above. Standardizing these protocols and interfaces is a big issue in grid computing.

- **Exportability:** The code should be exportable i.e. they cannot use a large amount of encryption at a time. There should be a minimum communication at a time.
 - **Support for secure group communication:** In a communication, there are number of processes which coordinate their activities. This coordination must be secure and for this there is no such security policy.
 - **Support for multiple implementations:** There should be a security policy which should provide security to multiple sources based on public and private key cryptography.
- (b) The steps involved in implementing Business Process Automation (BPA) are as follows:
- Step 1: Define why we plan to go for a BPA.
- Step 2: Understand the rules/regulation under which needs to comply with.
- Step 3: Document the process, we wish to automate.
- Step 4: Define the objectives/goals to be achieved implementing BPA.
- Step 5: Engage the business process consultant.
- Step 6: Calculate the RoI for project.
- Step 7: Developing the BPA.
- Step 8: Testing the BPA.
5. (a) The implementation of the controls that are required to be examined in computer system at following various levels are as follows:
1. **Configuration:** It refers to the way a software system is set up. Configuration is the methodical process of defining options that are provided. When any software is installed, values for various parameters should be set up (configured) as per policies and business process workflow and business process rules of the enterprise. Configuration will define how software will function and what menu options are displayed. The various modules of the enterprise such as purchase, sales, inventory, finance, user access etc. must be configured. Some examples of configuration are Mapping of accounts to front end transactions like purchase and sales, control on parameters; creation of customer type, vendor type, year-end process, user activation and deactivation, user access & privileges - configuration & its management and password management.
 2. **Masters:** It refers to the way various parameters are set up for all modules of software, like Purchase, Sales, Inventory, and Finance etc. These drives how the software will process relevant transactions. The masters are set up first time during installation and these are changed whenever the business process rules or parameters are changed. Examples are vendor master, customer master, material master, accounts master, employee master etc. Any changes to these data have to be authorized by appropriate personnel and these are logged and captured in exception reports. The way masters are set up will drive the way software will process transactions of that type. For example - the customer master will have the credit limit of the customer. When an invoice is raised, the system will check against the approved credit limit and if the amount invoiced is within the credit limit, the invoice will be created if not the invoice will be put on "credit hold" till proper approvals are obtained.
 3. **Transactions:** It refers to the actual transactions entered through menus and functions in the application software, through which all transactions for specific modules are initiated, authorized or approved. For example: sales transactions, purchase transactions, stock transfer transactions, journal entries and payment transactions.

- (b) The various risk and their relevant controls involved in Credit Card processing of bank are as follows:

S. No.	Risks	Key Controls
1.	Credit Line setup is unauthorized and not in line with the bank's policy.	The credit committee checks that the Financial Ratios, the Net-worth, the Risk factors and its corresponding mitigating factors, the Credit Line offered and the Credit amount etc. is in line with Credit Risk Policy and that the Client can be given the Credit Line.
2.	Credit Line setup is unauthorized and not in line with the bank's policy.	Access rights to authorize the credit limit in the credit card system should be restricted to authorized personnel.
3.	Masters defined for the customer are not in accordance with the Pre-Disbursement Certificate.	Access rights to authorize the customer master in credit card system should be restricted to authorized personnel, SoD exist in credit card system such that the system restricts the maker having checker rights to approve the facilities booked by self in the credit card system.
4.	Credit Line setup can be breached.	Transaction cannot be made if the aggregate limit of out-standing amount exceeds the credit limit assigned to customer.
5.	Inaccurate interest / charge being calculated in the Credit Card system.	Interest on fund-based credit cards and charges are automatically calculated in the credit card system as per the defined masters.
6.	Inaccurate reconciliations performed.	Daily reconciliation for the balances received from credit card network with the transactions updated in the credit card system on card network level.

OR

- (i) Cyber Crime also known as computer crime is a crime that involves use of a computer and a network. Cybercrimes are defined as: 'Offences that are committed against individuals or groups of individuals with a criminal motive to intentionally harm the reputation of the victim or cause physical or mental harm, or loss, to the victim directly or indirectly, using modern telecommunication networks such as Internet (Chat rooms, emails, notice boards and groups) and mobile phones.'
- (ii) The Reserve Bank of India (RBI) was established on 1st April 1935 in accordance with the provisions of the Reserve Bank of India Act, 1934. The basic functions of the Reserve Bank are to regulate the issue of bank notes and keeping of reserves with a view to securing monetary stability in India and generally to operate the currency and credit system of the country to its advantage.

SECTION – B: STRATEGIC MANAGEMENT

SUGGESTED ANSWERS/HINTS

1. (A)

(1)	(2)	(3)	(4)	(5)
(b)	(c)	(d)	(d)	(a)

(B) (c)

(C) (a)

(D) (b)

(E) (d)

(F) (b)

(G) (b)

2. Currently Jynklo Ltd. is performing in the children gaming industry. But now its management has decided to expand their business by starting a premium sports drink named JynX for athletes. As there are no linkages in both products with respect to customer groups, customer functions, or the technologies being used, so Jynklo Ltd. have opted **Conglomerate diversification**.

Jynklo Ltd. diversify in a business that is not related to their existing line of product and can be termed as conglomerate diversification. In conglomerate diversification, the new businesses/ products are disjointed from the existing businesses/products in every way; it is an unrelated diversification. In process/ technology/ function, there is no connection between the new products and the existing ones. Conglomerate diversification has no common thread at all with the firm's present position.

3. (a) Competitive landscape is a business analysis which identifies competitors, either direct or indirect. Competitive landscape is about identifying and understanding the competitors and at the same time, it permits the comprehension of their vision, mission, core values, niche market, strengths and weaknesses.

Steps to understand the competitive landscape are:

- (i) **Identify the competitor:** The first step to understand the competitive landscape is to identify the competitors in the firm's industry and have actual data about their respective market share.
- (ii) **Understand the competitors:** Once the competitors have been identified, the strategist can use market research report, internet, newspapers, social media, industry reports, and various other sources to understand the products and services offered by them in different markets.
- (iii) **Determine the strengths of the competitors:** What are the strength of the competitors? What do they do well? Do they offer great products? Do they utilize marketing in a way that comparatively reaches out to more consumers? Why do customers give them their business?
- (iv) **Determine the weaknesses of the competitors:** Weaknesses (and strengths) can be identified by going through consumer reports and reviews appearing in various media. After all, consumers are often willing to give their opinions, especially when the products or services are either great or very poor.
- (v) **Put all of the information together:** At this stage, the strategist should put together all information about competitors and draw inference about what they are not offering and what

the firm can do to fill in the gaps. The strategist can also know the areas which need to be strengthened by the firm.

- (b) The strategy formulation and strategy implementation are intertwined and linked with each other. Two types of linkages exist between these two phases of strategic management. The forward linkages deal with the impact of strategy formulation on strategy implementation while the backward linkages are concerned with the impact in the opposite direction.

In the given situation Ms. Suman has to follow **Backward Linkages** as she had to change her strategy basis the actual resources she had. While dealing with strategic choice, remember that past strategic actions also determine the choice of strategy. Organizations tend to adopt those strategies which can be implemented with the help of the present structure of resources combined with some additional efforts. Such incremental changes, over a period of time, take the organization from where it is to where it wishes to be.

4. (a) **Implementation or execution** is an operations-oriented, activity aimed at shaping the performance of core business activities in a strategy-supportive manner. In most situations, strategy-execution process includes the following principal aspects:

- ◆ **Developing budgets** that steer ample resources into those activities that are critical to strategic success.
 - ◆ **Staffing the organization with the needed skills and expertise**, consciously building and strengthening strategy-supportive competencies and competitive capabilities and organizing the work effort.
 - ◆ **Ensuring that policies and operating procedures facilitate** rather than impede effective execution.
 - ◆ **Using the best-known practices to perform core business activities** and pushing for continuous improvement.
 - ◆ **Installing information and operating systems** that enable company personnel to better carry out their strategic roles day in and day out.
 - ◆ **Motivating people to pursue the target objectives energetically.**
 - ◆ **Creating culture and climate conducive** to successful strategy implementation and execution.
 - ◆ **Exerting the internal leadership** needed to drive implementation forward and keep improving strategy execution.
- (b) Differentiation strategy is aimed at broad mass market and involves the creation of a product or service that is perceived by the customers as unique. The uniqueness can be associated with product design, brand image, features, technology, dealer network or customer service. Because of differentiation, the business can charge a premium for its product.

Differentiation strategy should be pursued only after a careful study of buyers' needs and preferences to determine the feasibility of incorporating one or more differentiating features into a unique product that features the desired attributes.

To achieve differentiation, following measures can be adopted by an organization:

1. Offer utility for the customers and match the products with their tastes and preferences.
2. Elevate the performance of the product.
3. Offer the promise of high quality product/service for buyer satisfaction.
4. Rapid product innovation.
5. Taking steps for enhancing image and its brand value.

6. Fixing product prices based on the unique features of the product and buying capacity of the customer.
5. (a) The term '**strategic management**' refers to the managerial process of developing a strategic vision, setting objectives, crafting a strategy, implementing and evaluating the strategy, and initiating corrective adjustments where deemed appropriate.

The presence of strategic management cannot counter all hindrances and always achieve success as there are limitations attached to strategic management. These can be explained in the following lines:

- ◆ **Environment is highly complex and turbulent.** It is difficult to understand the complex environment and exactly pinpoint how it will shape-up in future. The organisational estimate about its future shape may awfully go wrong and jeopardise all strategic plans. The environment affects as the organisation has to deal with suppliers, customers, governments and other external factors.
 - ◆ **Strategic Management is a time-consuming process.** Organisations spend a lot of time in preparing, communicating the strategies that may impede daily operations and negatively impact the routine business.
 - ◆ **Strategic Management is a costly process.** Strategic management adds a lot of expenses to an organization. Expert strategic planners need to be engaged, efforts are made for analysis of external and internal environments devise strategies and properly implement. These can be really costly for organisations with limited resources particularly when small and medium organisation create strategies to compete.
 - ◆ **Competition is unpredictable.** In a competitive scenario, where all organisations are trying to move strategically, it is difficult to clearly estimate the competitive responses to the strategies.
- (b) In general, marketing is an activity performed by business organizations. In the present day for business, it is considered to be the activities related to identifying the needs of customers and taking such actions to satisfy them in return of some consideration. The term marketing constitutes different processes, functions, exchanges and activities that create perceived value by satisfying needs of individuals.

Social marketing and service marketing are marketing strategies primarily with different orientations. Social Marketing refers to the design, implementation, and control of programs seeking to increase the acceptability of a social ideas, cause, or practice among a target group. For instance, the publicity campaign for prohibition of smoking or encouraging girl child, etc.

6. (a) **Difference between transformational and transactional leadership**
1. Transformational leadership style uses charisma and enthusiasm to inspire people to exert them for the good of organization. Transactional leadership style uses the authority of its offices to exchange rewards such as pay, status, etc.
 2. Transformational leadership style may be appropriate in turbulent environment, in industries at the very start or end of their cycles, poorly performing organisations, when there is a need to inspire a company to embrace major changes. Transactional leadership style can be appropriate in settled environment, in growing or mature industries and in organisations that are performing well.
 3. Transformational leaders inspire employees by offering the excitement, vision, intellectual stimulation and personal satisfaction. Transactional leaders prefer a more formalized approach to motivation, setting clear goals with explicit rewards or penalties for achievement and non-achievement. Transactional leaders focus mainly to build on existing culture and enhance current practices.

- (b) Strategic evaluation involves measuring and evaluating performance. The goals achieved are compared with the desired goals to identify deviations and make necessary adjustments in strategies or in the efforts being put to achieve those strategies.

Reasons why strategy evaluation is more difficult today include the following trends:

- ◆ A dramatic increase in the environment's complexity.
- ◆ The increasing difficulty of predicting the future with accuracy.
- ◆ The increasing number of variables in the environment.
- ◆ The rapid rate of obsolescence of even the best plans.
- ◆ The increase in the number of both domestic and world events affecting organizations.
- ◆ The decreasing time span for which planning can be done with any degree of certainty.