CHAPTER

1

Automated Business Processes

This Chapter Covers: Study's Chapter: 1

Chapter Comprises: Enterprise Business Processes

Reprocesses

Enterprise Risk Management

Risks

Controls

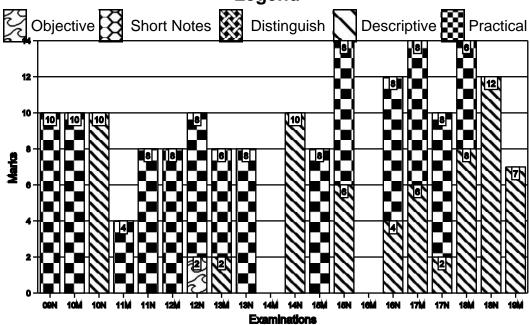
Risks and Controls for specific Business Processes

Regulatory and Compliance Requirements.

THE GRAPH Trend Analysis

Marks of Objective, Short Notes, Distinguish Between, Descriptive & Practical Questions

Legend



For detailed analysis Login at www.scannerclasses.com for registration and password see first page of this book.

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TIME MAN	IAGER	Plan and Manage your Time								
	First In- depth learning	Rev	tant ision ours)	Periodic Revision (in hours)						
Time	i.e	Next day i.e	After 7 days i.e. on	After 30 days i.e. on	After 60 days i.e. on	After 90 days i.e. on	Fix per y nee	our		
	Day 1	Day 2	Day 8	Day 30	Day 60	Day 90				
1. Budgeted	16	4.00	3.12	2.20	1.35	1.35				
2. Actual										
3. Variance (1-2)										

Quick Look	Weightage Analys		
Repeatedly Asked Questions	Common Answered Questions	Must Try Question	
	7.1	1.2, 2.4,3.8, 7.6, 7.7,7.16,7.27	

1 Introduction

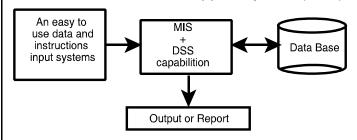
Q.1.1	.1 2007 - Nov [6] (c)						Descriptive			
Briefly	explain	the	principles	to	quide	the	design	of	measures	and

indicators to be included in EIS. (5 marks) [C.A. Final - I]

Answer:

Meaning of EIS	•	EIS is a tool that is designed to meet the special
		needs of top-level managers.
	•	EIS provides direct on-line access to relevant
		information in a useful and navigable format.
		Relevant information is timely, accurate, and

- actionable about aspects of a business that are of particular interest to the senior manager.
- The useful and navigable format of the system means that it is specifically designed to be used by individuals with limited time, limited keyboarding skills, and little direct experience with computers.
- An EIS is easy to navigate so that managers can identify broad strategic issues, and then explore the information to find the root causes of those issues.
- EIS is mainly an advancement of MIS but it can include the Decision Support System (DSS).



Principles that guide design of measures

- . An Executive Information System (EIS) is a tool that provides direct on-line access to relevant information in a useful and navigable format.
- 2. EIS is a computer based information system that serves the information need of top executives.
- EIS enables users to extract summary data and model complex problems without the need to learn query languages, statistical formulas or high computing skills.
- 4. EIS is very user friendly, supported by graphics and exception reporting and drill down capabilities.
- 5. EIS provides rapid access to timely information and direct access to management reports.
- 6. EIS is capable of accessing both internal data and external data.

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- 7. EIS is easily connected to Internet (with online information services and e-mail)
- 8. EIS provides extensive online analysis tool like trend analysis, market conditions etc.
- 9. EIS can easily be given a DSS support for decision making.
- 10. EIS is easy to navigate so that managers can identify broad strategic issues, and then explore the information to find the root causes of those issues.

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Q.1.2
Q.1.2

Discuss Executive information systems (EIS) and its components.

Answer:

Executive Information Systems (EIS):

An Executive Information System (EIS) is the nature of Information System used by executives to access and administer the data they entail to make informed business decisions. In the hierarchical structure of information systems, the EIS is at the pinnacle and is designed to renovate all significant data (from project to process to budget) into aggregated information that makes sense and brings value to the by and large business strategy. EIS is able to link data from various sources both internal and external to provide the amount and kind of information executives find useful. These systems are designed for top management; easy to use present information in condensed view; access organisation's databases and data external to the organisation.

Components of an EIS

Components	Description
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Hardware	Includes Input data- entry devices, CPU, Data Storage files and Output Devices.
Software	Includes Text base software, Database and Graphic types such as time series charts, scatter diagrams, maps, motion graphics, sequence charts and comparison- oriented graphs (i.e., bar charts) Model base.
User Interface	Includes hardware (physical) and software (logical) components by which people (users) interact with a machine. Several types of interfaces can be available to the EIS structure, such as scheduled reports, questions/answers, menu driven, command language, natural language and input/output.
Tele- communication	Involves transmitting data from one place to another in a reliable networked system.

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2 Enterprise Business Processes

Q.2.1	2014 - Nov [2] (a)	Descriptive
What a	are the various key factors to be considered in	n implementing
Busines	ss Process Management (BPM) in an enterprise?	(4 marks)

Answer:

Various key factors to be considered in implementing Business Process Management (BPM) in an enterprise are as follows:

Factors		Key Considerations							
<u> </u>		single mpany.	process,	а	department,	the	entire		

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Goals	Process understanding, Process Improvement, Process Automation/ Optimization and Process reengineering.
Methods to be used	Six Sigma, BPM Life Cycle Method, TQM, Informal methods.
Skills Required	Consultants, Train Employees, Formal Certification, Basic Education, Existing Skill sets.
Tools to be used	White-Boards, Sticky Notes, Software for Mapping, Documenting, Software for Simulation, Comprehensive BPMS.
Investments to Make	Training, Tools, Time.
Sponsorship/Buy-in Needed	Executive Level, Department Level, Process Owner Level, Employee Level.

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Q.2.2	Q.2.2 2014 - Nov [2] (b)	
	re the major reasons for failure of Business Proce (BPMS)?	ss Management (4 marks)

Answer:

Reason for Failure of BPMS:

- The consumer is often confronted with poor customer service due to broken processes, inefficient processes and manual processes- that is the customer is often confronted (challenged) with the silos of the organisation.
- 2. The same consumer is becoming more and more demanding with respect to delivery time and also demanding higher quality of the products or services.
- 3. The product or service is becoming more and more personalized supported by increased customer services.
- 4. Inadequate investment in ongoing training for involved personnel and deficient executive involvement.

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- 7.7
- 5. Breakdown in gap analysis due to deficient project management.
- 6. Inefficient corporate policy protecting the integrity of data in BPMS.
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Q.2.3	Q.2.3 2017 - May [1] {C} (a)	
Write a	ny two principles of Business Process Manageme	ent. (2 marks)

Answer:

Pri	Principles of Business Process Management:		
1.	Principle of Context Awareness	BPM should fit to the organisational context. It should be tailor made and should not follow cook book approach.	
2.	Principle of Continuity	BPM should be a continuous and permanent practice. It should not be a one-off project.	

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Q.2.4	RTP	Descriptive
Define Business Process		

Answer:

Business Process:

A Business Process Consists of a set of activities that are performed in coordination in an organizational and technical environment. These activities jointly realize a business goal. Each business process is enacted by a single organization, but it may interact with business processes performed by other organizations. To manage a process, the first task is to define it that involves defining the steps/ tasks in the process and mapping the tasks to the roles involved in the process. Once the process is mapped and implemented, performance measures are established. The last piece of the process management definition describes the organizational setup that enables the standardization of and adherence to the process throughout the organization.

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Q.2.5 RTP Descriptive

During a job interview, an interviewer asked Mr. A to list out all the risks and their controls associated with Order-To-Cash (O2C) business process. Prepare an appropriate draft reply.

Answer:

Risks and Controls related to the Order to Cash (O2C) business process are as follows:

S. No.	Risks	Controls
1.	The Customer master file might not be maintained properly and the information might not be accurate.	The Customer master file is maintained properly and the information is accurate.
2.	Invalid changes are made to the customer master file.	Only Valid changes are made to the customer master file.
3.	All Valid changes to the customer master file are not processed.	All Valid changes to the customer master file are processed.
4.	Changes to the customer master file might not be accurate.	Changes to the customer master file are made accurate.
	Changes to the customer master file are not processed in a timely manner.	Changes to the customer master file are processed in a timely manner.
5.	Customer master file data might not be up-to- date and relevant.	Customer master file data is up to date and relevant.

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3

Automated Business Processes

Q.3.1	2014 - Nov [1] {C} (e)	Descriptive
What are the objectives of business process automation? (2 marks)		

Answer:

The success of any business process automation shall only be achieved when BPA ensures		
Confidentiality	To ensure that data is only available to persons who have right to see the same;	
Integrity	To ensure that only authorized amendments can be made in the data;	
Availability	To ensure that data is available when asked for; and	
Time lines	To ensure that data is made available at the right time. To ensure that all the above parameters are met, BPA needs to have appropriate internal controls put in place.	

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Q.3.2 2015 - Nov [1] {C} (a)		Descriptive
Mention the challenges in implementing 'Business Process Automatio (2 mar)		ess Automation'. (2 marks)

Answer:

Cha	Challenges in implementing Business Process Automation		
1.	Planning	It requires determining the goals, of the information system function and the means of achieving these goals.	
2.	Organizing	It involves gathering, allocating and coordinating the resources needed to accomplish the goals.	

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3.	Leading	It involves motivating, guiding and communicating with personnel.
4.	Controlling	Comparing actual performance with planned performance as a basis for taking any corrective actions that are needed.
5.	Increase in Number of interface with Customers	Since the number of interface with customers is growing for e.g. phone, e-mail, SMS, Whatsapp etc. it becomes difficult to handle.
6.	High Cost	It plays heavily on the budget of the company.

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Q.3.3	2015 - Nov [6] (b)	Descriptive
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What is meant by 'controls' in BPA? What are their major objectives? (4 marks)

Answer:

Business Process Automation Controls		
Meaning of Business Process Automation	 BPA is the basic component of an enterprise-wide automation and management scheme for both business and IT workflow. It refers to removing the human element from existing business processes by automating the repetitive or standardized process components. It ranges from automating a simple data-entry-manipulation task to building complex, automated financial management processes using existing applications. 	

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Meaning of Control		 Control is defined as policies, procedures, practices and organization structure that are designed to provide reasonable assurance that business objectives are achieved and undesired events are prevented or detected are corrected.
Majo	or Objectives of	Controls in BPA:
1.	Authorization	It ensures that all transactions are approved by responsible personnel in accordance with their specific or general authority before the transaction is recorded.
2.	Completeness	In ensures that no valid transactions have been omitted from the accounting records.
3.	Validity	It ensures that all valid transactions fairly represent the economic events that actually occurred, are lawful in nature and have been executed in accordance with management's general authorization.

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4.	Accuracy	It ensures that all valid transactions are accurate, consistent with the originating transaction data, and information is recorded in a timely manner.
5.	Physical Safeguards and Security	Ensures that access to physical assets and information systems are controlled and properly restricted to authorized personnel.
6.	Error Handling	It ensures that errors detected at any stage of processing receive prompt corrective action and are reported to the appropriate level of management.
7.	Segregation of Duties	It ensures that duties are assigned to individuals in a manner that ensures that no one individual can control both the recording function and procedures relative to processing a transaction.

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Q.3.4 2017 - May [6] (b) Descriptive

What are the generic reasons for going for Business Process Automation? (4 marks)

Answer:

Business Process Automation		
Meaning	BPA is the basic component of an enterprise-wide automation and management scheme for both business and IT workflow. It refers to removing the human element from existing business processes by automating the repetitive or standardized process components. It ranges from automating a simple data-entry-manipulation task to building complex, automated financial management processes using existing applications.	

Need of BPA

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1.	Fast Service to customers	This was not the initial reason for adaption of BPA but gradually business managers realized that automation could help them to serve their customers faster and better.
2.	To Remain Competitive and enhancing goodwill	To provide the level of products and services as offered by competition and thus enhancing goodwill.
3.	Cost Saving	Automation leads to saving in time and labour costs.
4.	Error free	To provide error free services to the customer.
5.	Focus on key areas	Freeing people from routine and volume, and allow management to do what they are best at make decisions, analyze data implications and trends and focus on providing better customer service.

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Q.3.5	2018 - Nov [6	(b)
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Descriptive

State the required characteristics of goals to be achieved by implementing Business Process Automation (BPA). (2 marks)

Answer:

The characteristics of goals to be achieved by implementing Business Process Automation (BPA), being:

- S Specific
- M Measurable
- A Attainable
- R Relevant
- T Timely

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Q.3.6 2019 - May [3] (b)

Descriptive

A business organization is planning to increase the accuracy of information transferred and certifies the repeatability of the value -added task performed by the automation of business.

Being a management consultant, identify any four major benefits that the organization can achieve through the automation of a business process.

(4 marks)

Q.3.7 RTP Descriptive

Briefly discuss the benefits of Business Process Automation.

Answer:

Benefits of Business Process Automation (BPA) are:

- Saving on Costs: Automation leads to saving in time and labour costs.
- Staying ahead in Competition: Today to survive, businesses need to adopt automation.
- Fast service to Customers: Nowadays, business managers realize that automation help them to serve their customers faster and better.

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Q.3.8 RTP Descriptive

Discuss the steps in implementing Business Process Automation.

Answer

The steps in implementing Business Process Automation are:

Step 1: Define why we plan to implement a BPA?

The primary purpose for which an enterprise implements automation may vary from enterprise to enterprise. A list of generic reasons for going for BPA may include any or combination of the following:

- Errors in manual processes leading to higher costs.
- Payment processes not streamlined, due to duplicate or late payments, missing early pay discounts and losing revenue.
- Paying for goods and services not received.

- Poor debtor management leading to high invoice aging and poor cash flow.
- Not being able to find documents quickly during an audit or lawsuit or not being able to find all documents.
- Lengthy or incomplete new employee or new account on boarding.
- Unable to recruit and train new employees, but where employees are urgently required.
- Lack of management understanding of business processes.
- Poor customer service.

Step 2: Understand the rules/ regulation under which enterprise needs to comply with?

One of the most important steps in automating any business process is to understand the rules of engagement, which include following the rules, adhering to regulations and following document retention requirements. This governance is established by a combination of internal corporate policies, external industry regulations and local, state and central laws. Regardless of the source, it is important to be aware of their existence and how they affect the documents that drive the processes. It is important to understand that laws may require documents to be retained for specified number of years and in a specified format. Entity needs to ensure that any BPA adheres to the requirements of law.

Step 3: Document the Process, we wish to automate

At this step, all the documents that are currently being used need to be documented. The following aspects need to be kept in mind while documenting the present process:

- What documents need to be captured?
- Where do they come from?
- What format are they in Paper, Fax, email, PDF etc.?
- Who is involved in processing of the documents?
- What is the impact of regulations on processing of these documents?
- Can there be a better way to do the same job?
- How are exceptions in the process handled?

The benefit of the above process for user and entity being that it provides clarity on the process, helps to determine the sources of inefficiency, bottlenecks and problems and allows tore- design the process to focus on the desired result with workflow automation.

Step 4: Define the objectives/ goals to be achieved by implementing **BPA**

Once the above steps have been completed, entity needs to determine the key objectives of the process improvement activities - SMART (Specific: Clearly defined, Measurable: Easily quantifiable in monetary terms, Attainable: Achievable through best efforts, Relevant: Entity must be in need of these and Timely: Achieved within a given time frame.)

Step 5: Engage the business process consultant

This is again a critical step to achieve BPA. To decide as to which company/ consultant to partner with depends upon the following:

- Objectivity of consultant in understanding/ evaluating entity situation.
- Does the consultant have experience with entity business process?
- Is the consultant experienced in resolving critical business issues?
- Whether the consultant is capable of recommending and implementing a combination of hardware, software and services as appropriate to meeting enterprise BPA requirements?
- Does the consultant have the required expertise to clearly articulate the business value of every aspect of the proposed solution?

Step 6: Calculate the Return on Investment (ROI) for project

The right stakeholders need to be engaged and involved to ensure that the benefits of BPA are clearly communicated and implementation becomes successful. Hence, the required business process owners have to be convinced so as to justify the benefits of BPA and get approval from senior management. Some of the methods for justification of a BPA proposal may include cost savings in terms of eliminating fines to be paid by entity due to delays, cost of audits and lawsuits and reduced cost of space regained from paper, file cabinets; reduction in required manpower leading to no new recruits; ensuring complete documentation for all new accounts; taking advantage of early payment discounts and eliminating duplicate payments; ensuring complete documentation for all new discounts; ensuring complete documentation for all new accounts; building business by providing superior levels of customer service and charging for instant access to records etc.

Step 7: Developing the BPA

Once the requirements have been document, ROI has been computed and top management approval to go ahead has been received the consultant develops the requisite BPA. The developed BPA needs to meet the objectives for which the same is being developed.

Step 8: Testing the BPA

Once developed, it is important to test the new process to determine how well it works and identify where additional "exception processing" steps need to be included. The process of testing is an iterative process, the objective being to remove all problems during this phase.

Testing allows room for improvements prior to the official launch of the new process, increases user adoption and deceases resistance to change. Documenting the final version of the process will help to capture all of this hard work, thinking and experience which can be used to train new people.

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4

Enterprise Risk Management

Q.4.1 2018 - Nov [2] (a)

Descriptive

"Enterprise Risk Management (ERM) does not create a risk-free environment; rather it enables management to operate more effectively in environments filled with risks". In view of this statement, explain the various benefits, which Board of Directors and Management of an entity seek to achieve by implementing the ERM process within the entity. (6 marks)

Answer:

Enterprise Risk Management (ERM) dose not create a risk free environment, rather it enables management to operate more effectively in environments filled with risks. The Board of Directors and Management achieve the following benefits by implementing the ERM process within the entity:

1. Align risk appetite and strategy:

Risk appetite is the degree of risk, on a broad-based level that an enterprise (any type of entity) is willing to accept in pursuit of its goals. Management considers the entity's risk appetite first in evaluating

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strategic alternatives, then it setting objectives aligned with the selected strategy and in developing mechanisms to manage the related risks.

2. Link growth, risk and return:

Entities accept risk as part of value creation and preservation and they expect return commensurate with the risk. ERM provides an enhanced ability to identify and assess risks, and establish acceptable levels of risk relative to growth and return objectives.

3. Enhance risk response decision:

ERM provides the rigor to identify and select among alternative risk-responses risk avoidance, reduction, sharing and acceptance. ERM provides methodologies and techniques for making these decisions.

4. Minimize operational surprises and losses:

Entities have enhanced capability to identify potential events, assess risk and establish responses, thereby reducing the occurrence of surprises and related costs or losses.

5. Identify and manage cross-enterprise risks:

Every entity faces a myriad of risks affecting different parts of the enterprise. Management needs to not only manage individual risks, but also understand interrelated impacts.

6. Provide integrated responses to multiple risks:

Business processes carry many inherent risks, and ERM enables integrated solutions for managing the risks.

7. Seize opportunities:

Management considers potential events, rather than just risks, and by considering a full range of events, management gains an understanding of how certain events represent opportunities.

8. Rationalize capital:

More robust information on an entity's total risk allows management to more effectively assess overall capital needs and improve capital allocation.

5 Risks

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Q.5.1 2017 - Nov [1] {C} (a) Descriptive

Risks involved in implementing Business Process Automation. (2 marks)

Answer:

Ris	Risks involved in implementing Business Process Automation		
1.	Risk to Jobs	Jobs that were earlier performed manually by several employees would post-automation would be mechanized, thereby posing a threat to jobs.	
2.	False Sense of Security	Automating poor processes will not gain better business practices.	

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6 Controls

Q.6.1	2018 - May [1] {C} (e)	Descriptive
Explain	Explain the following in brief:	
Risk As	Risk Assessment (2 marks	

Answer:

Risk Assessment

Risk may be defined as the possibility that an event will occur and adversely affect the achievement of objectives. Risk assessment involves a dynamic and interactive process for identifying and assessing risk to the achievement of objectives. Risks to the achievement of these objectives from across the entity are considered relative to established risk tolerances. Thus, risk assessment forms the basis for determining how risks will be managed. A precondition to risk assessment is the establishment of objectives, linked at different levels of the entity. Management specifice objectives within categories of operations, reporting and compliance with sufficient clarity to be able to identity and assess risks to those objectives. Risk assessment also requires management to consider the impact of possible changes in the

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external environment and within its own business model that may render internal control ineffective.

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7

Diagrammatic Representation of Business Processes

Q.7.1	2010 - Nov [7] (c)	Descriptive
What is	What is Program debugging ? Explain it briefly.	
1		
OR	2013 - May [7] (ii)	Descriptive

Answer:

Program Debugging:

It is a process of finding errors in program and rectifying them by using diagnostic routine before putting the program into use. There is a real necessity to debug a program, i.e. to cleanse it from errors. For this purpose, the programmers device a set of test data transactions to test the various alternative branches in the program. The results got from the computer are compared with one derived manually prior to computer processing. When the results do not match for any reason, the programmer then verifies the flowchart and coding sheet to hunt for the bugs. This process is called program debugging.

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Q.7.2	2010 - Nov [5]	Descriptive
What do	you mean by term flow chart? Draw a program flow	w chart to find the
sum of	first 50 odd numbers. ((2 + 6 = 8 marks)

Answer:

Flow Chart:

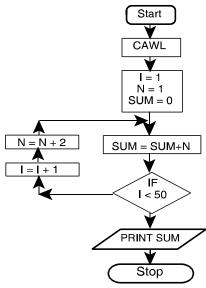
 Flowchart is a diagram that shows sequence of steps required to solve a particular problem.

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- 7.21
- It is a logical flow of steps which shows sequence of operations of a program by using symbols and inter-connectivity lines. It is like a blueprint that shows the general plan and essential details of the proposed structure.
- It allows the programmer to compare different approaches and alternatives on paper and often shows inter-relationships that are not immediately apparent.

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The required flowchart to find the sum of first 50 odd numbers is drawn below:



Where CAWL means Clear All Working Locations

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Q.7.3	2012 - Nov [7] (iii)	Objective
Describ	e briefly System Flow Chart	(2 marks)

Answer:

System Flowchart:

- System flowchart depicts the electronic flow of data and processing steps in Information systems.
- It is used by System Analysts to describe the data flow and operations for a data processing cycle.
- It defines the broad processing in the organizations.
- It shows the origin of data, filing structure, processing to be performed, output that is to be generated and necessity of any offline operation.

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7.23

What is a Data Flow Diagram. Explain the four major components of a Data Flow Diagram. (4 marks)

Answer:

Types of Data Flow Diagrams (DFDs)

There are two types of Data Flow Diagrams:

- 1. Logical Data Flow Diagram.
- Physical Data Flow Diagram.
- 1. Logical Data A logical DFD focuses on the business and how the business operates. It describes the business events that take place and the data required and produced by each event. The logical model reflects the business.
- **2. Physical Data** A physical DFD shows how the system will be **Flow Diagram** implemented. The physical model depicts the system.

Major Component of DFD

Data Flow Diagrams

1. Concept of Data Flow Diagram (DFD):

A Data flow diagram graphically describes the flow of data within an organisation. It is used to document existing system and to plan and design new ones. There is no ideal way to develop a DFD; different problems call for different methods. A DFD is composed of four basic elements: data sources and destinations, data flows, transformation processes, and data stores. Each is represented on a DFD by one of the symbols shown in figure given below.

Data Flow Diagram Symbols

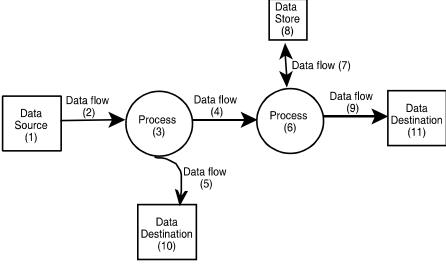
Symbol		Explanation
	Represent Data Sources and destinations	The people and organizations that send data to and receive data from the system are represented by square boxes. Data destinations are also referred to as data sinks.
—	Represent Data	The flow of data into or out of a

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flows	process is represented by curved or straight lines with arrows :
Represent Transformation process	The processes that transform data from inputs to outputs are represented by circles. They are often referred to as bubbles.
Represent Data stores	The storage of data is represented by two horizontal lines.

These four symbols are combined to show how data are processed **For Example :**

In data flow



- Input to process (3) is data flow, (4) which comes from data source (1). The outputs of process (3) are data flows (4) and (5) Data flow (5) is sent to data destination (10). Process (6) uses data flow (4) and (7) as input and produces data flow (9) and (7) as output. Data flow (7) comes from and returns to data store (8). Data flow is sent to data destination (11).
- Above figure assigns specific titles to each of the processes depicted in symbols.

	These figures will be used to examine the four basic elements of a DFD in more detail.				
2. (2. Components of Data Flow Diagram :				
(i)	Data Flows	 It represents the flow of data between processes, data stores, data source and destinations. Data flow arrows are labelled to indicate the type of data being passed. Data that pass between data stores and a data source/destination must go through some form of data processing, i.e. through a transformation process. 			
(ii)	Data Source and Destinations	 An entity can be both a Source and a Destination. A source or destination symbol on the DFD represents an organisation or individual that sends or receives data used or produced by the system. A Data Flow can consist of one or more pieces of datum. As data flow may be composed of more than one data element, it must be determined whether to show one or more lines. The determining factor is whether the data elements always flow together. 			
(iii)	Processes	 Process represent the transformation of data into information. The output is sent to Data Stores or Data Destinations. 			

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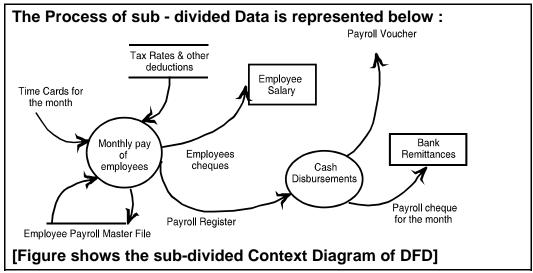
(iv) **Data Stores** A Data Store is a temporary or permanent repository of data. DFDs do not show the physical storage medium (disks, paper, etc.) used to store the data. Like other DFD elements, Data Store names should be descriptive. As in above figure, item (8) data store are represented by horizontal lines, with the data store's name recorded inside. **Sub-division of Data Flow Diagrams** Personnel Human Department Resource Employee database **Employees Time Cards PAYROLL** PROCESSING Lax decuction and payments SYSTEM Payroll Reports Payroll Cheque Management Bank Employees Government Reports Remittances Account Salary flow Diagrams sub-divided (i) Need for Data are **Sub-Division** successively lower levels in order to provide increasing amount of detail. This is because only few systems can be fully diagramed on one sheet of paper. Moreover, different Users have different needs, and hence, various DFD levels covering each user area can only satisfy their requirements.

(ii)	Context Diagram	The highest-level DFD is referred to as a Context Diagram . A context diagram provides the reader with a summary level view of a system. It depicts a data processing system and the external entities that are the sources and destinations of the system's inputs and outputs.		
(iii)	An example Context Diagram is shown below	Example shows the payroll processing procedures. On an inference, it is understood that the Payroll Processing System receives time cards from the Personnel Department and employee data from the Human Resources Department. When these data are processed, the system produces: (a) Tax reports for payments into Government Account, (b) Employee pay cheques, (c) A cheque for the entire salary amount to be deposited in the Bank Account, and (d) Payroll Reports for submission to Management for review.		

4. Sub-division of DFD: Sub-dividing the Context Diagram leads to modules of lesser levels.

In the aforesaid example, if preparation of employee pay cheques is taken as a lower level, the activities concerned with it will be represented by a separate sub-divided DFD. The sub-divided DFD for preparation of pay cheques will involve activities like computation of monthly pay, tax deductions, other deductions, recovery of advances, drawing up cheques in the employees name, preparation of payroll voucher and updation of the payroll Master File.

7.28 ■ Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



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Q.7.5	2018 - Nov [1] {C} (a)	Descriptive
Explain 'Data Flow Diagram'.		(2 marks)

Answer:

Data Flow Diagrams:

A Data flow diagram graphically describes the flow of data within an organisation. It is used to document existing system and to plan and design new ones. There is no ideal way to develop a DFD; different problems call for different methods. A DFD is composed of four basic elements: data sources and destinations, data flows, transformation processes, and data stores.

DFD basically provides an overview of:

- What data a system processes;
- What transformations are performed;
- What data are stored:
- What results are produced and where they flow.

It is mainly used by technical staff for graphically communicating between systems analysts and programmers.

[Chapter ➡ 1] Automated Business Process ■

7.29

Q.7.6	RTP	Distinguish Between
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Distinguish Between Data flow of DFD and Data store of DFD.

Answer:

Data Flow of DFD: Data Flow is the movement of data between the entity, the process and the data store. Data flow portrays the interface between the components of the DFD. The flow of data in a DFD is named to reflect the nature of the data used (these names should also be unique within a specific DFD). Data flow is represented by an arrow, where the arrow is annotated with the data name.

Data Store of DFD: A Data store is where a process stores data between processes for later retrieval by that same process or another one. Files and tables are considered data stores. Data store names (plural) are simple but meaningful, such as "customers", "orders" and "products". Data stores are usually drawn as a rectangle with the right hand side missing and labeled by the name of the data storage area it represents, though different notations do exist.

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Q.7.7	RTP			Descriptive

Discuss advantages and limitations of using Data Flow Diagram.

Answer:

Advantages of using Data Flow Diagram (DFD)

- 1. It aids in describing the boundaries of the system.
- 2. It is beneficial for communicating existing system knowledge to the
- 3. A straightforward graphical tecnique which is easy to recognize.
- 4. DFDs can provide a detailed representation of system components.
- 5. It is used as the part of system documentation file.
- 6. DFDs are easier to understand by technical and nontechnical audiences
- 7. It supports the logic behind the data flow within the system.

Limitations of using Data Flow Diagram

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- 1. It makes the programmers little confusing concerning the system
- The biggest drawback of the DFD is that it simply takes a long time to create, so long that the analyst may not receive support from management to complete it.
- 3. Physical considerations are left out.

— Space to write important points for revision –

Q.7.8 2007 - Nov [4]	Practical
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An electric supply company charges the following rates from its consumers:

No. of unit consumed	Charges/unit	
	(₹)	
For the first 200 units	2.50	
For the next 300 units	3.50	
Over 500 units	5.00	

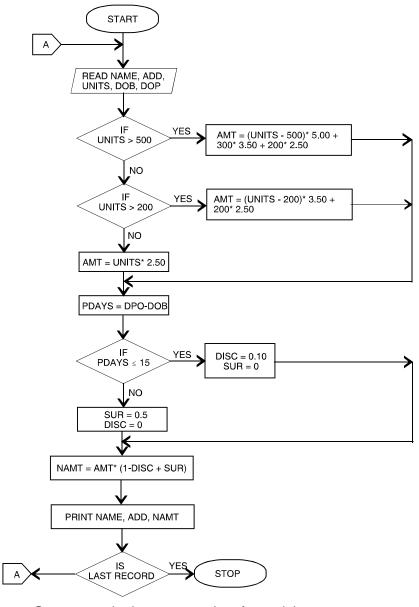
Computer database of the company has the following information:

- Consumer Name
- Address
- Unit consumed
- Bill date
- Payment date

If the consumer pay his bill within 15 days from the bill date, 10% discount is given. If he makes the payment after 15 days from the bill date, 5% surcharge is levied. Draw a Flow chart to calculate the net amount of the bill for each consumer and print it. (10 marks)

Answer:

Please see answer on next page



—— Space to write important points for revision -

7.32 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)

Q.7.9 2008 - May [4] Practical

A bicycle shop in a city hires bicycles by the day at different rates for different models as given below:

Model No. Hire rate per day

(₹)
Model No. 1 14.00
Model No. 2 12.00
Model No. 3 10.00

In order to attract customers, the shopkeeper gives a discount on the number of days a bicycle is hired for. The policy of discount is as given below:

No. of days	Discount rate		
-	(%)		
1-5	0.00		
6-10	8		
11 and over	15		

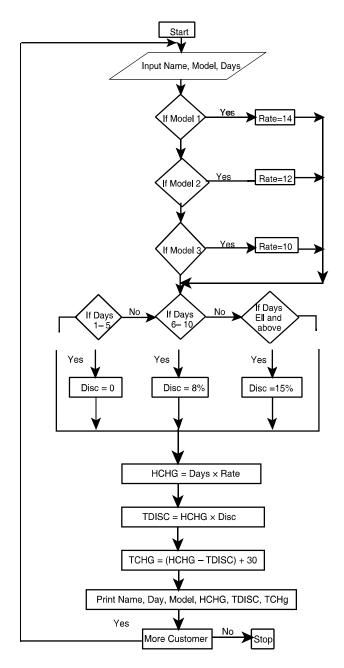
For every bicycle hired, a deposit of ₹ 30.00 must be paid.

Develop a flow chart to print out the details for each customer such as name of the customer, bicycle model number, number of days a bicycle is hired for, hire charges, discount and total charges including deposits.

(10 marks)

Answer:

Please see answer on next page



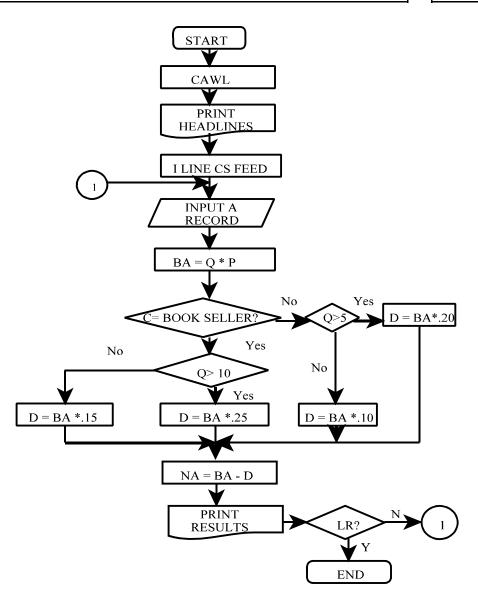
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7.34 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)

Q.7.10	2008 - Nov	Practical		
A Book publisher offers discount to customers on the basis of customer type and number of copies ordered as shown below:				
Custome	er type	Number of Copies Ordered	% of Discount	
Book Se	eller	More than 10 Less than or equal to 10 More than 5 Less than or equal to 5	25 15 20 10	
Customer number, name, type, book number, number of copies ordered and unit price are given as input. Draw a flow chart to calculate the net amount of the bill for each customer and print it. The above is to be carried out for 50 customers. (10 marks)				

Answer:

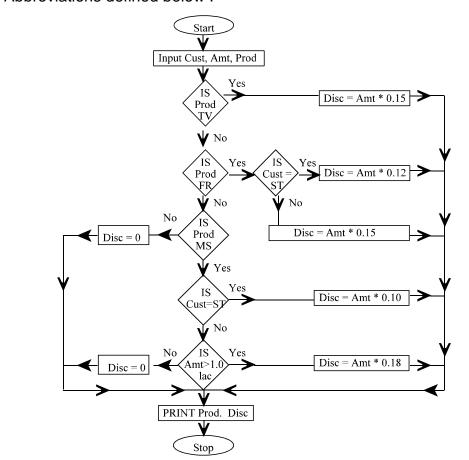
Please see answer on next page



—— Space to write important points for revision

Frame the problem for which the given Flowchart has been drawn. See the Abbreviations defined below:

Practical



Cust. : Customer, Prod : Product, Amt : Amount, Disc : Discount, TV :
Television, FR : Fridge, MS : Music System, ST : Student (10 marks)

Answer:

Q.7.11

2009 - May [4]

7.37

The problem relates to 'Discount Policy' of a company engaged in selling electronic items.

Item	Category of Customer	Discount
TV	All	15%
Fridge	Student	12%*
	Others	15%*
Music System	Student	10%*
	Others	18%**

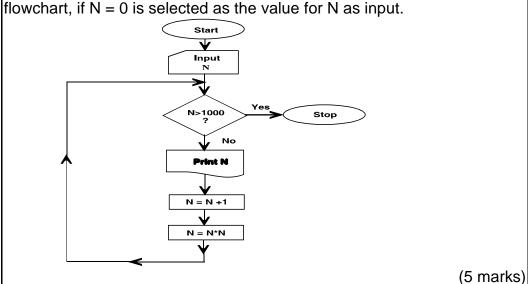
^{*} irrespective of order value

— Space to write important points for revision -

Q.7.12 2009 - Nov [4] (a)

Practical

Write the output sequence (at least first five numbers) for the given flowchart, if N = 0 is selected as the value for N as input.



Answer:

If N = 0 then the output sequence will be:

0 1 4 25 676

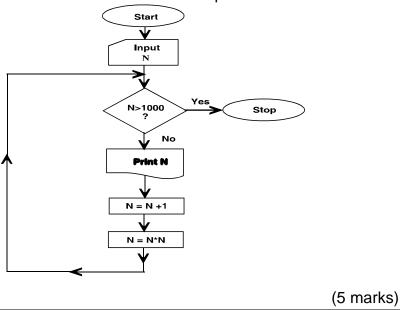
—— Space to write important points for revision –

^{* *} subject to order value being more than ₹ 1 lakh.

Q.7.13 2009 - Nov [4] (b)

Practical

If the statement "N. = N * N" in the computation box of the flowchart is modified as "N = N * (N - 1)". Write the output sequence (at least first five numbers) for the flowchart with N = 0 as the input value for N.



Answer:

If "N = N* N" is modified as "N = N* (-1)" with N = 0 as output, then the output sequence will be:

0 0 0 0

— Space to write important points for revision -

Q.7.14 2010 - May [4]

Practical

The Income-tax for the employees of an organization is calculated on the basis of their Gross Income and the Investments made by them, under Section 80C. The taxable income is calculated according to the following rules:

Taxable Income = Gross Income - Investments provided investments are less than 1.5 lac. Otherwise

Taxable Income = Gross Income - 1,50,000

Following rules are applied to calculate the Income-tax, on the Taxable Income:

	Taxable Income	Income-tax
(i)	0 - 2,50,000	Nil
(ii)	2,50,001 - 5,00,000	5%, on the excess of
		2,50,000
(iii)	5,00,001 - 10,00,000	12,500 + 20% on the
		excess of 5,00,000
(iv)	10,00,001 – and above	1,12,500 + 30% on the
		excess of 10,00,000

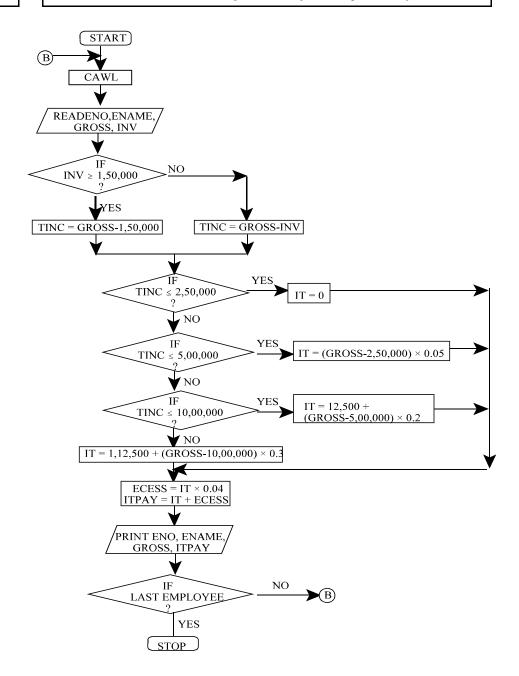
Also an educational cess of 4% of Income-tax is levied on all the employees, irrespective of the income.

Employee number, Name, Gross Income, Investment amount is given as input. Draw a flow chart to calculate the Income-tax payable by each employee. (10 marks)

Answer:

Please see answer on next page

7.40 ■ Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



Terms used:

7.41

Practical

ENO = Employee Number

ENAME = Employee Name

GROSS = Gross Income

INV = Investment made

TINC = Taxable Income

IT = Income Tax

ECESS = Education Cess

Q.7.15 2011 - May [5] (a)

ITPAY = Total Income Tax payable

CAWL = Clear All Working Locations

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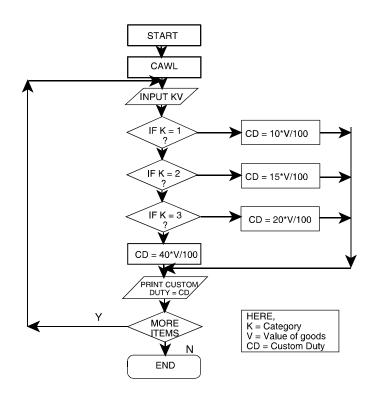
		rted items are classified into 4 n each category of items is given
Category	Class of goods	% custom duty on the (K) value of goods (V)

Category	Class of goods	value of goods (V)
1	Food and beverages	10
2	Textile and leather goods	15
3	Heavy machinery	20
4	Luxury items	40
Draw a flowcha	rt to compute the custom duty	v. (4 marks)

Answer:

Please see answer on next page

7.42 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



—— Space to write important points for revision

Q.7.16	2011 - Nov [6], RTP	Practical
A housin	a society having 400 members hav electricity hills	at the following

A housing society having 400 members pay electricity bills at the following rates :

INO. Of units consumed	Charges/unit
	(₹)
For the first 200 units	2.65
For the next 300 units	3.90
Over 500 units	4.75

Surcharge @ 5% of the bill is to be added to the charges.

Draw a flow chart which will read the house number and the number of units consumed. Print the total charges with the house number and the units consumed. (8 marks)

Answer:

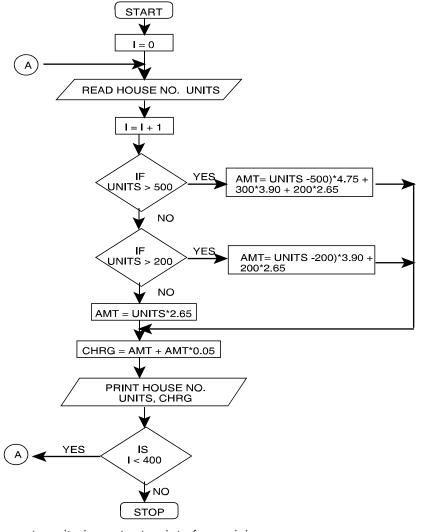
Abbreviations used:

House No. - House Number

Units - No. of units consumed

Amt - Amount

Chrg - Charges



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Scanner CA Inter Gr.II Paper - 7A (New Syllabus) 7.44

Q.7.17 2012 - May [6] **Practical** For the flow chart given below: (a) Print the output displayed for using the given two sets of data: Χ 1st Set : 15 20 2nd Set: 35 (4 marks) 30 (b) What interpretation do you make from the instructions given in the flow chart? (3 marks) (c) Comment about the storage of the variables used in the instructions of the flow chart. (1 mark) START READ X, Y PRINT X, Y X = X + YY = X - Y X = X - Y

PRINT X, Y

STOP

Answer:

(a) For first set, X=15, Y=20

Instruction	Output	
Read X, Y	15, 20	
Print X, Y	15, 20	1 st Print
X = X + Y	X = 15 + 20 = 35	
Y = X - Y	Y = 35 - 20 = 15	
X = X - Y	X = 35 - 15 = 20	
Print X, Y	20, 15	2 nd Print
	1 st Print 15 20	
	2 nd Print 20 15	
For second set,	X = 35, Y = 30	
Instruction	Output	
Read X, Y	35, 30	
Print X, Y	35, 30	1 st Print
X = X + Y	X = 35 + 30 = 65	
Y = X - Y	Y = 65 - 30 = 35	
X = X - Y	X = 65 - 35 = 30	
Print X, Y	30, 35	2 nd Print
	1 st Print 35 30	
	2 nd Print 30 35	

—— Space to write important points for revision –

Answer:

(b) The given set of instructions in the flow chart is the steps for swapping/interchanging the values of two variable without involving the third variable. As clearly interpreted from the output, the values of X and Y in the both the value sets have got interchanged.

Note: The interpretation involves two important factors:

- (i) Interchange of values of two variables X and Y.
- (ii) Without involving the third or temporary storage/variable.

Space to write important points for revision -

7.46 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)

Answer:

(c) The comments about the storage of the variables used in the instructions of the flow chart are as follows

X = X + Y // The value of X has been assigned the value of (X+Y)...(i)

Y = X - Y // The value of Y has been assigned the value of (X-Y)..(ii)

X = X - Y // The value of X has again been assigned the value of (X-Y), where the value of X and Y are calculated from the statement (i) and (ii)

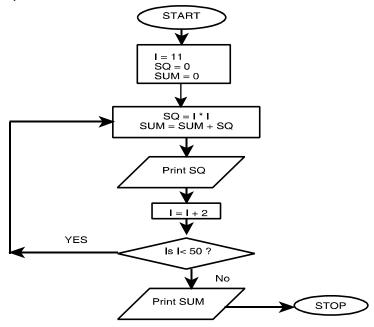
—— Space to write important points for revision —

Q.7.18	2012 - Nov [6]	Practical

Draw a flow chart to print the square of odd numbers between 10 to 50 and also print the sum of their square. (8 marks)

Answer:

The required flowchart is as follows:



I: Stores the value of odd number between 10 to 50 at each step.

7.47

(6 marks)

SQ: Stores the calculated value of square of each odd number at each step.

SUM: Stores the sum of the squares of all the odd numbers till that step.

Space to write important points for revision

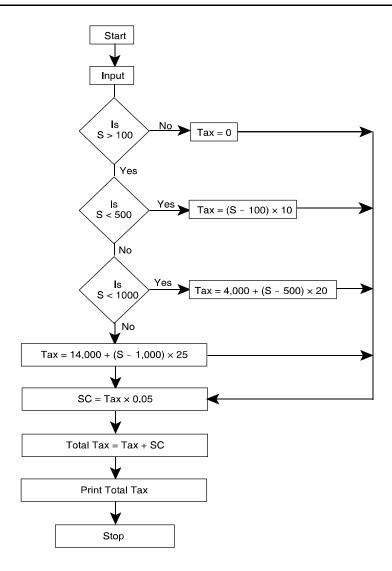
Q.7.19	2013	- May [6] (b)		Practical
Top town	Top town Municipality, is levying annual House Tax, as per following rules:			
Size	of Hou	use in Sq.	House ta	x rate per
l N	/letre		Square M	1etre
Less	than	100	Nil	
Upto	Next	400	₹ 10	
Upto	Next	500	₹ 20	
More	than	1000	₹ 25	
There is a surcharge of 5% of the value of House Tax. Taking into account				
the above factors, draw a flow chart to compute appropriate total House				

Answer:

Please see answer on next page

Tax including surcharge for any one house.

7.48 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



—— Space to write important points for revision

7.49

Q.7.20	2013 - Nov [6]	Practical
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A book publisher of Information Technology offers discount to its customers on the basis of customer type as detailed below:

Customer Type Discount
Book Seller 30%
Library 20%
Student 10%

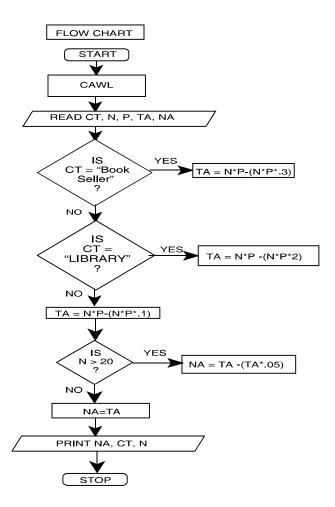
Further if number of copies purchased is more than 20, then additional discount of 5% is allowed irrespective of customer type. Number of books, unit price of each book and customer type are given as input.

Draw a flow chart to calculate the net amount after all discount and print customer type, number of copies and net amount. (8 marks)

Answer:

Please see answer on next page

7.50 ■ Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



—— Space to write important points for revision

Q.7.21 2015 - May [2] Practical

ABC Limited is a software development company, which appointed 50 software engineers in August' 2014 at a monthly salary of ₹ 30,000. All these engineers shall be entitled for an increment in their monthly salary after six months. The increment on present monthly salary shall be based on their performance to be evaluated on a 100 marks scale as per details

7.51

given below:

- Performance Marks < 70, then increment shall be 10% of present salary.
- 70 ≤ Performance marks < 80, then increment shall be 20% of present salary.
- Performance Marks \geq 80, then increment shall be 30% of present salary.
 Draw a Flow-Chart to enable to print the details like name of the engineer, performance marks, monthly increment amount and revised monthly salary for each of these 50 engineers.
 (8 marks)

Answer:

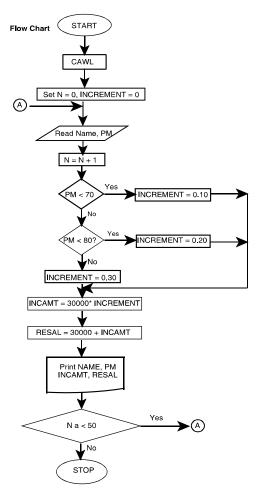
Let us define the variables first:

PM: Performance Marks

RESAL: Revised Monthly Salary, INCAMT: Increment Amount, NAME: Name of Engineer,

N: Pointer to track number of Engineers,

INCREMENT = 0



—— Space to write important points for revision -

7.53

Q.7.22 2015 - Nov [2]

Practical

An E-Commerce site has the following cash back offers.

- (i) If the purchase mode is via website, an initial discount of 10% is given on the bill amount.
- (ii) If the purchase mode is via phone app, an initial discount of 20% is given on the bill amount.
- (iii) If done via any other purchase mode, the customer is not eligible for any discount.

Every purchase eligible to discount is given 10 reward points.

- (a) If the reward points are between 100 and 200 points, the customer is eligible for a further 30% discount on the bill amount after initial discount.
- (b) If the reward points exceed 200 points, the customer is eligible for a further 40% discount on the bill amount after initial discount. Taking purchase mode, bill amount and number of purchases as input, draw a flowchart to calculate and display the total reward points and total bill amount payable by the customer after all the discount calculation. (8 marks)

Answer:

Let us define the variables first:

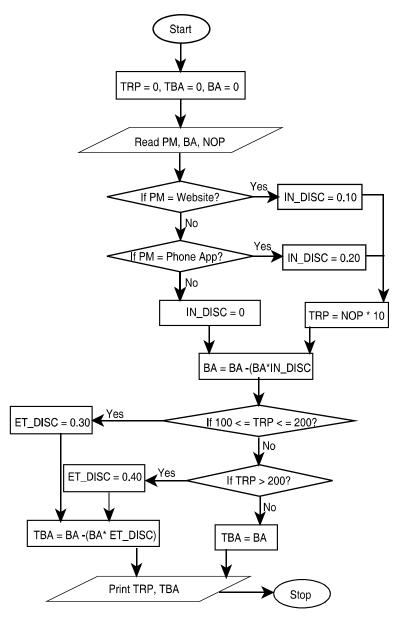
PM: Purchase Mode BA: Bill Amount TBA: Total Bill Amount

NOP: Number of Purchases TRP: Total Reward Points

IN DISC: Initial Discount

ET_DISC: Extra Discount on purchases eligible to Initial Discount

N: Counter (to track the number of purchases)



Space to write important points for revision

7.55

Q.7.23 2016 - Nov [5] Practical

Draw a Flowchart for the following process:

Leebay is a new e-commerce website that is setting up business in India. Leebay and their partner bank Paxis have come up with a joint promotion plan for which the following offers are proposed.

Customers can either log in through a mobile app or directly from the website:

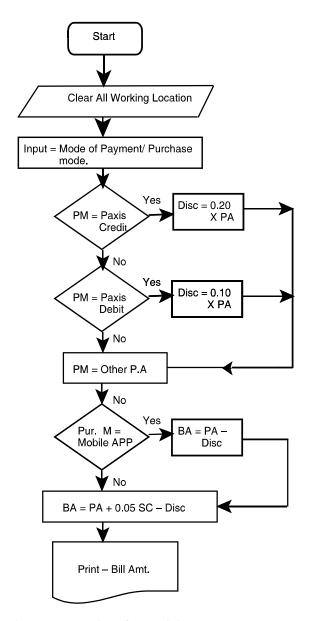
- (1) If the payment mode chosen is 'Paxis Credit', then a 20% discount is given to the user.
- (2) If the payment mode chosen is 'Paxis Debit', then a 10% discount is given to the user.
- (3) If other payment modes are used, then no discount is given.

Also, to promote the downloads of its new smartphone app, the company has decided to give the following offer:

- 1. If the purchase mode is 'Mobile App', then no surcharge is levied on the user.
- 2. If any other purchase mode is used, then additional 5% surcharge is levied on the user. This surcharge is applied on the bill after all necessary discounts have been applied.
 - With bill amount, payment mode and purchase mode as inputs, draw a flowchart for the billing procedure for Leebay. $(1 \times 8 = 8 \text{ marks})$

Answer:

Please see answer on next page



—— Space to write important points for revision

7.57

Q.7.24 2017 - May [2]

Practical

A company is selling three types of products, namely, A, B and C to two different types of customers viz. dealers and retailers. To promote the sales, the company is offering the following discounts:

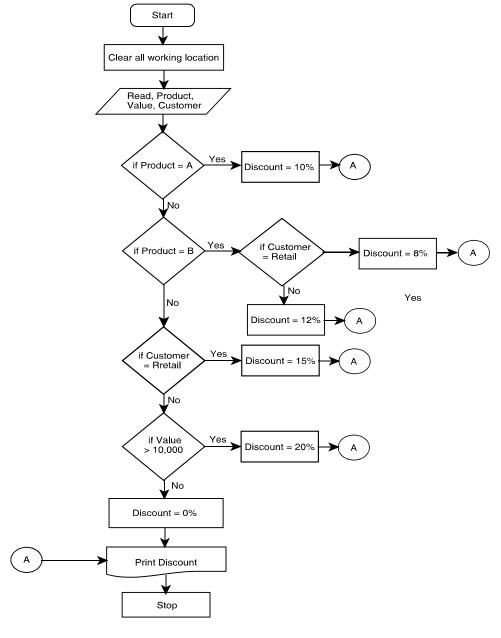
- (i) 10% discount is allowed on Product A, irrespective of the category of customers and the value of order.
- (ii) On product B, 8% discount is allowed to retailers and 12% discount to dealers, irrespective of the value of order.
- (iii) On product C, 15% discount is allowed to retailers irrespective of the value of order and 20% discount to dealers if the value of order is minimum of ₹ 10,000.

Draw a flowchart to calculate the discount for the above policy.(8 marks)

Answer:

Please see answer on next page

7.58 ■ Scanner CA Inter Gr.II Paper - 7A (New Syllabus)



---- Space to write important points for revision

7.59

Q.7.25 2017 - Nov [6] (a) (b) (c)

Practical

- (a) Draw a flow chart to incorporate for the following steps:
 - L1 N = 1
 - L2 PRINT N
 - L3 $N = N \times (N + 1)$
 - L4 STOP when N exceeds 100
 - L5 GOTO L2

Note that in step L3, 'x' denotes multiplication sign.

(4 marks)

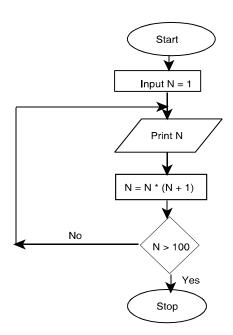
(b) List the output for the above program.

- (2 marks)
- (c) List the output if the above program is modified in the step L1 as N=0.

(2 marks)

Answer:

(a)



- **(b)** Output = 1, 2, 6, 42
- (c) Output = O (it will continue as the loop doesn't end)

— Space to write important points for revision -

7.60 Scanner CA Inter Gr.II Paper - 7A (New Syllabus)

Q.7.26 2018 - May [5] (a)

Practical

An e-commerce website is offering following discounts:

- If the purchase mode is via website, a discount of 5% is given on the bill amount.
- If the purchase mode is via phone app, a discount of 10% is given on bill amount.
- If purchase is done via any other mode, customer is not eligible for any discount.

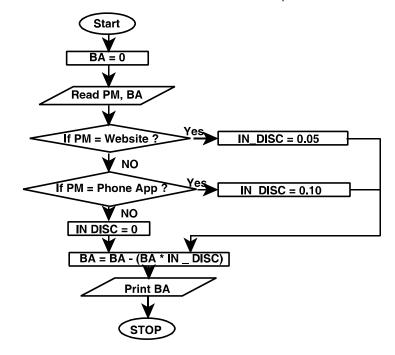
Draw a Flowchart to calculate and display the bill amount payable by the customer. (6 marks)

Answer:

Let us define variables first:

PM: Purchase Mode BA: Bill Amount

IN - DISC: Initial Discount N: Counter (to track the no. of purchases)



—— Space to write important points for revision

7.61

Q.7.27	RTP			Practical
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A bicycle shop in a city provides rental facility to its customers at different rates for different models as given below:

Model No.	Hire Rate per day
Model No. 1	₹ 10
Model No. 2	₹9
Model No. 3	₹8
Model No. 4	₹ 7

To attract customers, the shopkeeper gives a discount of 15 percent to all those customers, who hire a bicycle for more than one-week period. Further to attract women customer, he gives additional discount of 10 percent irrespective of hire period. For every bicycle hired, a security deposit of ₹ 25 must be paid. Draw a flow chart to print out the details of each customer such as name of customer, bicycle model number, number of days a bicycle is hired for, hire charges, discount and total charges including deposits.

Answer:

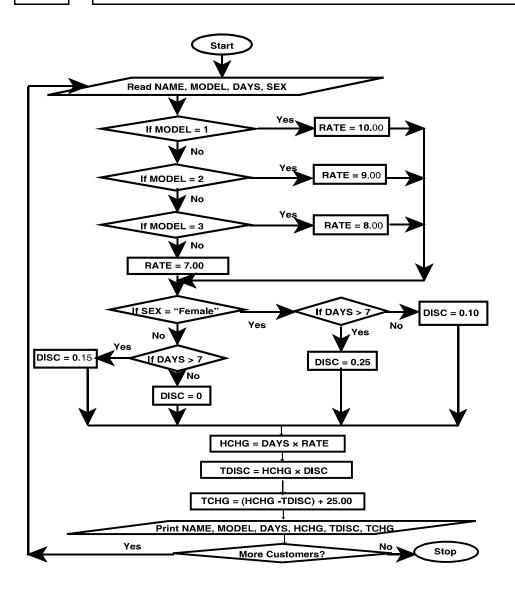
Abbreviations used are as follows:

HCHG: Hire Charges DAYS: No. of days a bicycle is hired for

NAME: Name of Customer TCHG: Total Charges MODEL: Bicycle Model No. TDISC: Total Discount

SEX: Gender of the Customer

The flowchart is available on the next page.



- Space to write important points for revision

7.63

8

Risks and Controls for Specific Business Processes

Q.8.1 2018 - Nov [6] (Or) (b)

Descriptive

Give two examples of the Risks and Control objectives for Human Resource Process at configuration level. (2 marks)

Answer:

Example of Risks and control objectives for Human Resource Process at configuration level

Risks objectives for Human Resource Process at configuration level:

Employees who have left the company continue to have system access. Employees have system access in excess of their job requirements.

Control objectives for Human Resource Process at configuration level:

System access to be immediately removed when employees leave the company.

Employees should be given system access based on a "need to know" basis and to perform their job function.

— Space to write important points for revision

9

Regulatory and Compliance Requirements: Companies Act 2013

Q.9.1 2019 - May [1] {C} (a)

Descriptive

Corporate governance is the framework of rules and practices, by which a board of directors ensures accountability, fairness and transparency in a company's relationship with all its stakeholders. List out the rules and procedures that constitute corporate governance framework. (3 marks)

Scanner CA Inter Gr.II Paper - 7A (New Syllabus)

10

Regulatory and Compliance Requirements: Information Technology Act (IT Act)

Q.10.1	2007 - Nov [7] (a)	Short Notes
Q.10.1	2007 - NOV [7] (a)	Short Notes

Write short note on the following:

Objectives of Information Technology Act, 2000. (5 marks) [CA Final - II]

Answer:

Objectives of Information Technology Act. (Amended Vide ITAA, 2008):						
To grant legal recognition to	 Transaction carried out through e-commerce. Electronic Signature as a method of authentication of electronic documents/ transactions. Book keeping in electronic form banks by amending Bankers' Book Evidence Act, 1891. 					
To facilitate	Electronic filing of documents with government departments. Electronic storage of data.					
To facilitate and give legal recognition to	 Electronic funds transfer between banks and financial institutions by amending RBI Act, 1934. 					
To enable	Electronic governance					
To empower	 State/Central Government to intercept/monitor any information transmitted through any computer resource for investigation of any offence. 					
To provide for	 Protection of data security and privacy. 					
To deal with	Electronic offences by amending Indian Panel Code, 1860 and Indian Evidence Act, 1872.					

Space to write important points for revision

Q.10.2	Descriptive		
Explain to Cyber Cr	ne following in brief: ime	(2 marks)	

Answer:

Cyber Crimes: Cyber Crimes also known as Computer Crime is a crime that involves use of a computer and a network. Is the reputation of the victim or cause physical or menltal harm, or loss, to the victim directly or indirectly using modern telecommunication networks such as Internet (chat rooms, email, notice boards and groups) and mobile phones.

—— Space to write important points for revision —

Q.10.3	Descriptive						
Explain	the positive aspects contained in the IT Ac	t 2000 and its					
provisions, from the perspective of e-commerce in India. (4 marks)							

Answer:

From the perspective of e-commerce in India, the IT Act, 2000 and its provisions contain many positive aspects which are as follows:

- The implications for the e-businesses would be that email would now be
 a valid and legal form of communication in India that can be duly
 produced and approved in a Court of Law.
- Companies shall now be able to carry out electronic commerce using the legal infrastructure provided by the Act.
- Digital signatures have been given legal validity and sanction in the Act.
- The Act throws open the doors for the entry of corporate companies in the business of being Certifying Authorities for issuing Digital Signatures Certificates.
- The Act now allows Government to issue notification on the web thus, heralding e-governance.
- The Act enables the companies to file any form, application or any other document with any office, authority, body or agency owned or controlled by the appropriate Government in electronic form by means of such electronic form as may be prescribed by the appropriate Government.

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- The IT Act also addresses the important issues of security, which are so critical to the success of electronic transactions.
- The Act has given a legal definition to the concept of secure digital signatures that would be required to have been passed through a system of a security procedure, as stipulated by the Government at a later date.

— Space to write important points for revision — — —

MULTIPLE CHOICE QUESTION

1 Introduction

- may be defined as any kind of information system which improves the functions of an enterprise business processes by integration.
 - (a) Management Information System
 - (b) Enterprise Information System
 - (c) Enterpreneur Information System
 - (d) Corporate Information System
- 2. Enterprise Information System provide a technology platform that enable organizations to integrate and co-ordinate their business processes on
 - a _____.
 (a) Robotic System
 - (b) Robotic foundation
 - (c) Robust foundation
 - (d) Robust management system
- 3. An Enterprise Information System can be used to
 - (a) increase business productivity
 - (b) reduce service cycle
 - (c) reduction in product development cycle and marketing life cycles
 - (d) All of them.

2

Enterprise Business Processes

4.	Business Processes has been categorised
	(a) Operational and Supporting Processes
	(b) Management processes
	(c) Only (a) not (b)
	(d) Both (a) and (b)
5.	Operational processes deal with the core business and value chain,
	which deliver value to the customer by helping to produce a product or
	service. It is also known as
	(a) Primary Processes
	(b) Secondary Processes
	(c) Tertiary Processes
	(d) Supporting Processes
6.	Secondary processes is a back core processes and functions within an
	organisation, is also known as
	(a) Management Processes
	(b) Operational Processes
	(c) Supporting Processes
	(d) Helping Processes
7.	Processes measure, monitor and control activities related to business
	procedures and system, is known as
	(a) Operational Processes
	(b) Supporting Processes
	(c) Management Processes
	(d) Controlling Processes
8.	Management Processes do not provide value directly to the customer
	but has a direct impact on
	(a) operation of the enterprise
	(b) efficiency of the management
	(c) efficiency of the enterprise
	(d) effectiveness of the enterprise

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9.	accomplish different fu operations, (a) Busine	the technology-enabled automation of activities the a specific function and can be implemented for marketions of company activities including sales, management HR etc. s Processes s Processes Technology	ny
10.	(c) Busine (d) Automa Business	s Process Automation ted Business Technology rocess Automation is a process of and the business processes.	en
11.	(b) docum (c) optimiz (d) All of th Success o	nting ng e above any Business Process Automation (BPA) shall only b	оe
	(a) Confide	and Availability	
12.	Thetasks, that continues t (a) Busine (b) Busine (c) Busine	is the flow of information, customized by value-addening egins with the primary contact with a potential customer are rough deliverance of a finished product.	
	4	Enterprise Risk Managemen	t
			_
13.		may be defined as a process, effected by an entity's BOI nt and other personnel, applied in strategy setting and acros	

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the enterprise, designed to identify potential events that may affect the entity, and manage risk to be within its risk appetite, to provide reasonable assurance regarding the achievement of entity objectives.

- (a) Information Risk Management
- (b) Align Risk Appetite and Strategy
- (c) Entity's Risk Management
- (d) Enterprise Risk Management
- 14. Enterprise Risk Management provides a framework for management to
 - (a) effectively deal with uncertainty
 - (b) associated risk and opportunity
 - (c) enhance its capacity to build value
 - (d) All of the above
- 15. Enterprise Risk Management consist of _____ interrelated components. Such components are derived from the way management runs a business, and are integrated with the management process.
 - (a) Four
 - (b) Five
 - (c) Seven
 - (d) Eight
- 16. Which of the following is not a component of Enterprise Risk Management?
 - (a) Internal Management
 - (b) Event Identification
 - (c) Organisational Chart
 - (d) Objective Setting.

5 Risks

- 17. Risk is any event that may result in a significant deviation from a _____ resulting in an unwanted negative consequence.
 - (a) Planned Objective
 - (b) Unplanned Objective
 - (c) Planned Consiquences

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(d) None of the above

	6	Conti	rols
18.	structure business or detecte	ation	that
19.	enterprise managem of ensurin business. (a) SA - 3 (b) SA - 3 (c) SA - 3 (d) SA - 3	defines the system of internal control as the plant and all the methods and procedures adopted by tent of an entity to assist in achieving management's object, as far as practicable, the orderly and efficient conduct and all the methods are achieved and efficient conduct as a practicable, the orderly and efficient conduct and achieved are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, the orderly and efficient conduct are achieved as a practicable, and the practical achieved as a practicable and achieved achieved and achieved achi	y the ective
20.	(a) Facili(b) Assis(c) Helps	al Control System: tate the effectiveness and efficiency of operations. ts compliance with applicable laws and regulations. safeguarding the assets of the entity. the above.	
21.	Which on (a) Comp (b) Meeti (c) Effect	e of the following is not an objective of Internal Control? bliance with applicable laws and regulations ng Sales Target iiveness and efficiency of operations bility of reporting.	
22.	The exter the nature (a) entity	at and nature of the risks to internal control vary depending and characteristics of the Is information system Is control system	ng on

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23.	c) entity's management system d) entity's risk control system According to explains fine components of any internal control a hey relate to a financial statement audit. a) SA - 300 b) SA - 305 c) SA - 310 d) SA - 315	as
	Diagrammatic Representation of Business Processes	
24.	Flowcharts are used in designing and documenting simple processes	or
	a) Progress b) Production c) Procedures d) Programs Most common type of boxes used in a flow chart. a) A decision, usually denoted as a diamond b) A processing step, usually called activity, and denoted as rectangular box c) A control step, usually denoted as circular box. d) Both (a) and (b)	
26.	A flowchart is described as when the page is divided in different swim lanes describing the control of different organization	
27.	units. a) Activity function b) Mutual-functional c) Cross-functional d) None of the above Data Flow Diagrams (DFD) show the flow of data or information from a) beginning to the end b) one place to another c) establishment to customer	

8

Risks and Controls for Specific Business **Processes**

- _____ is the methodical process of defining options that are provided. When any software is installed, value for various parameters should be setup as per policies and business process work flow and business process rules of the enterprise (a) Master (b) Transactions

 - (c) Control Objectives
 - (d) Configuration
- 29. ___ refer to the actual transactions entered through menus and functions in the application software, through which all transactions for specific modules are initiated, authorised or approved.
 - (a) Master
 - (b) Transactions
 - (c) Control Objectives
 - (d) Configuration
- 30. A process of obtaining and managing the raw materials needed for manufacturing a product or providing a service, is known as _____.
 - (a) Purchase to Pay P2P
 - (b) Order to Cash or O2C
 - (c) Master O2C
 - (d) Transactions O2C
- 31. A set of business processes that involve receiving and fulfilling customer requests for goods or services, is called.
 - (a) Purchase to pay or P2P
 - (b) Order to cash or O2C
 - (c) Master O2C
 - (d) Transaction O2C.

32. A process of accurately tracking the on-hand inventory levels for an enterprise, is known as ______.
(a) Inventory Control
(b) Stock Process and Control
(c) Inventory Cycle
(d) Masters-Inventory
33. _____ process refers to the process of recording the transactions in the system to finally generating the reports from financial transactions in the system.
(a) Inventory Cycle
(b) General Ledger
(c) Fixed Asset Cycle
(d) Master-General Ledger

Regulatory and Compliance Requirements

- 34. Which one of the following is not defined as Sensitive Personal Information?
 - (a) Home address
 - (b) Financial information
 - (c) Biometric information
 - (d) Password

9

- 35. Which one of the following deals with Section 143 of the Companies Act, 2013?
 - (a) Powers and duties of auditors and auditing standards
 - (b) Acquisition and Mergers
 - (c) Powers and duties of Board of Directors
 - (d) Penalties due to non-compliance.
- 36. ______ is the framework of rules and practices by which a board of directors ensures accountability, fairness, and transparency in a company's relationship with its all stakeholders.
 - (a) Management's Framework
 - (b) Privacy Policy
 - (c) Risk Monitoring
 - (d) Corporate Governance

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ANSWER

1.	(b)	2.	(c)	3.	(d)	4.	(d)	5.	(a)
6.	(c)	7.	(c)	8.	(c)	9.	(c)	10.	(d)
11.	(d)	12.	(a)	13.	(d)	14.	(d)	15.	(d)
16.	(b)	17.	(a)	18.	(d)	19.	(b)	20.	(d)
21.	(b)	22.	(a)	23.	(d)	24.	(d)	25.	(d)
26.	(c)	27.	(b)	28.	(d)	29.	(b)	30.	(a)
31.	(d)	32.	(c)	33.	(b)	34.	(a)	35.	(a)
36.	(d)								