Roll No......................................

Time allowed : 3 hours   *Maximum marks : 100*

Total number of questions : 6   *Total number of printed pages : 4*

NOTE : *Answer ALL Questions.*

1.   An International pharmaceutical company is engaged in manufacturing of several types of medicines at various factories. Each factory sends information on different software and platforms, thus fails to communicate with each other to consolidate the information at one place. In order to solve this problem, the technical advisor of the company recommended the implementation of the ERP solution.

In order to learn more about the ERP solution from the technical advisor, the top management raised following queries before finalising the proposal.

(*a*)   What are the major modules of the ERP package and their functions.

(*5 marks*)

(*b*)   What are various benefits of installing ERP system.

(*5 marks*)

(*c*)   What are the limitations in implementation of ERP system.

(*5 marks*)

(*d*)   What are the critical success factors for effective implementation of ERP system.

(*5 marks*)

Suppose you are the technical advisor of the company. Provide the answers of the above queries to the top management to make them to learn more about ERP system.

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Attempt all parts of either Q. No. 2 or Q. No. 2A

2. (*a*) What is online shopping ? List its main components.

(*4 marks*)

(*b*) Explain various steps involved in programming process.

(*4 marks*)

(*c*) What are the major activities of an information system ? Discuss briefly.

(*4 marks*)

(*d*) Explain briefly major advantages of agile system.

(*4 marks*)

OR (Alternate question to Q. No. 2)

2A. (*i*) Discuss classification of computers based on their functions.

(*ii*) Explain various security measures to handle protected data.

(*iii*) Explain various functions of CPU.

(*iv*) List out various tasks performed by compiler in converting source code to object code.

(*4 marks each*)

Attempt all parts of either Q. No. 3 or Q. No. 3A

3. Distinguish between the following :

(*a*) Open system and Closed system.

(*b*) Transaction Processing System and Management Infroamtion System

(*c*) Database and Data wherehouse.

(*d*) Multiprogramming and Multiprocessing.

(*4 marks each*)

OR (Alternate question to Q. No. 3)

3A. (*i*) Explain an integrated approach for development of MIS.

(*4 marks*)

(*ii*) Define Data Mining. How it is useful for a future retail firm.

(*4 marks*)

(*iii*) On the basis of primary job function, define various types of users in the data base system.

(*4 marks*)

(*iv*) List out various functions performed by DDL.

(*4 marks*)

4. (*a*) Highlight the significance of system audit.

(*b*) Classify different controls which are verified by an IS Auditor in a computerised environment.

(*c*) List out various powers of Cyber Appellete Tribunal.

(*d*) Explain computer related offences and related panelties as specified in IT Act.

(*4 marks each*)

5. (*a*) If the basic salary is less than Rs. 30,000 then HRA is 10% of basic salary and DA is 75% of basic salary. If the basic salary is equal to or greater than Rs. 30,000 than HRA is 20% and DA is 85% of basic salary. Draw a flow chart to find the gross salary of an employee.

(*8 marks*)

(*b*) Explain in detail various challenges of information system confronting the managers.

(*8 marks*)

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6. Write short notes on the following :

(*a*) Core capabilities of Decision Support System.

(*4 marks*)

(*b*) Characteristics of strong password.

(*4 marks*)

(*c*) Penishment for Cyber Terrorism as per IT Act, 2000.

(*4 marks*)

(*d*) Big Data Analytics.

(*4 marks*)

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