



**Centre for Distance Learning**

**(Approved by Joint Committee of UGC-AICTE-DEC)**

Third Floor, Balaji Metro Plaza, Dondaparthy Main Road, Visakhapatnam-530 016.

Phone: 0891-2866455, 2866466, 8179681900, E-mail: cdI@gitam.edu

**MPDSM321: SYSTEM ANALYSIS DESIGN**

**ASSIGNMENT – I 5 X 3 =15 Marks**

1. Define and discuss importance of the following:
  - a. The Fermat Last Theorem
  - b. Goldbach conjecture
  - c. The Twin Prime Conjecture
2. What do you understand by ‘Divide and Conquer Technique’ explain the same with solving sorting problem.
3. Explain the procedure for randomization quick sort with suitable example.
4. Define ‘ Topological Sort’ and draw suitable diagrams to explain the topological sorting method.
5. How dynamic programming is useful to achieve the principle of optimality?

**ASSIGNMENT – II 5 X 3 =15 Marks**

6. Write short notes on the following:
  - a. Asymptotic considerations
  - b. Constant factor in complexity measure
  - c. Undecidable problems for context free languages
7. Write a detailed note on instantaneous description and transition diagram.
8. What do you understand by formal definition of ‘Finite Automata’.
9. “Kruskal’s Algorithm is used to find minimal spanning tree of a given weighted and connected graph”.- Discuss
10. Explain the process of formalization of greedy technique for solving optimization problem.

**MPDSM322: E-COMMERCE**

**ASSIGNMENT – I 5 X 3 =15 Marks**

1. Define ‘E-commerce’ and explain various groups in E-Business?
2. In the context of globalization e-commerce has edge over traditional commerce- explain with advantages and challenges of e-commerce.
3. What is ‘Strategic transformation’? What are the technologies available for transforming business to e-business?
4. Examine the role of state and central government in improving in e-business in India.
5. What are the customer priorities and stages in execution of e-business framework.

**ASSIGNMENT – II 5 X 3 =15 Marks**

6. What is e-tailing? What is the future of e-tailing business in India?
7. Describe different types of security threats? Give suggestions to the security threats.
8. Why personal information of an organization should be published in a business website?
9. What is a Virtual Business? Explain its features?
10. What is ‘E-business quality’? Explain different quality service requirement in business?

**MPDSM323: DATA BASE MANAGEMENT SYSTEM**

**ASSIGNMENT – I 5 X 3 =15 Marks**

1. Explain the functions of the person who has the control of both data and program accessing that data.
2. A Supplier located in only one city supplies various parts for the project to different companies located in various cities. Draw the ‘E-R’ for the supplier and parts database.
3. What is normalization? What are the steps for normalization till BCNF?
4. Explain important statements in DML.

5. What is the difference between a sub-query and a join? Under what circumstances would you not be able to use a sub-query?

**ASSIGNMENT – II            5 X 3 =15 Marks**

6. What is the architecture of Client/Server system? Explain its advantages.
7. What is Data Replication? What are its advantages and disadvantages?
8. What are the properties that should be taken into consideration while selecting recovery techniques?
9. What is a transaction? What are its properties? Can a transaction update more than one data values? Can transaction write a value without reading it? Give an example of transaction?
10. Define the function of each of the clauses in the SELECT statement. What are the restrictions imposed on these clauses?

**MPDSM324: ENTERPRISE RESOURCE PLANNING**

**ASSIGNMENT – I            5 X 3 =15 Marks**

1. Define enterprise. Discuss the importance of ERP in integrating the organization.
2. Discuss the costs incurred by human resources in the organizations with ERP implementation.
3. Who are the market leaders in ERP?
4. How Indian market scenario is different from the rest of the world?
5. Explain the significance of marketing module in ERP in support of CRM

**ASSIGNMENT – II            5 X 3 =15 Marks**

6. Explain the plant maintenance module of ERP.
7. Explain the objectives of a ERP projects.
8. Discuss the importance of business process modeling in ERP development.
9. Explain the ERP evaluation and selection procedure.
10. Discuss the measures to be adopted to handle employee resistance.

**MPDSM325: IT FOR CORPORATE COMMUNICATIONS**

**ASSIGNMENT – I            5 X 3 =15 Marks**

1. What are the different trends in information processing design.
2. Explain the significance of data mining in business.
3. Differentiate between audio conference and video conferencing systems.
4. Explain how satellite as a transmission media is beneficial to a business.
5. Discuss briefly about online advertising and mobile transfer.

**ASSIGNMENT – II            5 X 3 =15 Marks**

6. What type of communication style is used in intercultural organization.
7. Define network computing and explain the paradigm of network computing
8. Explain various issues relating to the emergence of the collaborative networks as a discipline.
9. Explain the challenges to face to fully exploit the power of mobile connectivity.
10. Discuss the measures to be adopted to handle employee resistance

**NOTE:**

- 1) Last date for submission of assignments for all the courses / papers is- 14th March for May exams or 14th October for Dec exams**
- 2) Non-submission of assignments as per the scheduled date mentioned above attracts a fine of Rs. 200/- upto 25th March for May exams or 25th October for Dec exams per each assignment of a courses / paper and under any circumstances the assignments will not be accepted from 26th March/October for May/Dec exams.**
- 3) Assignments are to be written in the Book-lets provided by CDL and other formats are not accepted.**
- 4) Answer all 10 questions, in a single book only.**