CMR Technical Campus

B.Tech Mid-1 Question Bank (R22 Regulation)

Academic Year: 2025 - 2026 IV-II Semester: VIII

Subject Name: Organisation Behaviour

Subject Code: **22MB801HS**

Faculty Name: MASRATH AYESHA.

PART-A

Q.No	Questions	BL	CO	Unit No
1	Define Organizational Behavior	L1	CO1	I
2	What is the scope of Organizational Behavior?	L1	CO2	I
3	Mention any two importance of Organizational Behavior.	L2	CO1	I
4	Explain the nature of Organizational Behavior	L2	CO1	I
5	Define personality	L2	CO2	II
6	Define perception	L1	CO2	II
7	Define learning	L1	CO2	II
8	What is emotional intelligence?	L2	CO2	II
9	Define group behaviour	L1	CO3	III
10	What is group dynamics?	L2	CO3	III

PART-B

Q.No	Questions	BL	CO	Unit No
1	Define Organizational Behavior and explain its need and importance.	L2	CO1	I
2	Discuss various Organizational Behavior models in detail.	L3	CO1	I
3	Explain personality theories and factors influencing personality.	L3	CO2	I
4	Discuss learning theories and their relevance to organizational behavior.	L4	CO2	I
5	Explain motivation theories and their effects on work behavior.	L2	CO2	I
6	Discuss learning process in organizations	L4	CO2	I
7	Explain emotional labour	L2	CO2	II
8	Describe components of attitude	L6	CO2	II
9	Explain types of motivation	L3	CO2	II
10	Explain factors influencing perception	L4	CO2	II
11	Explain perception and factors effecting perception	L2	CO2	II
12	Explain group formation	L3	C03	II
13	Discuss group influence on individual behavior	L2	CO3	III
14	Explain working norms in groups.	L2	CO3	III
15	Explain any two organisation structures	L2	CO3	III

16	Explain the importance of global state in a distributed system	L2	CO3	III

Department of Computer Science and Engineering

B.Tech Mid-1 Question Bank (R22 Regulation)

Academic Year: 2025 - 2026 IV-II Semester:VIII

Subject Name: DISTRIBUTED SYSTEMS (Professional Elective - VI)

Subject Code: 22CS862PE

Faculty Name: MADUGULA NAGENDRA RAO

PART-A

Q.No	Questions	BL	CO	Unit No
1	Mention the characteristics of a distributed system	L1	CO1	I
2	Explain the system Models	L2	CO1	I
3	Mention the types of network	L1	CO1	I
4	Explain Events and Notifications	L1	CO2	I
5	Distinguish Process and Thread	L4	CO2	II
6	What is Middleware and network operating systems	L1	CO2	II
7	What is Protection	L1	CO2	II
8	Give an overview of various types of storage systems and their properties.	L2	CO2	II
9	What are the characteristics of the peer-to-peer systems?	L1	CO3	III
10	Explain the Distributed debugging	L2	CO3	III

PART-B

Q.No	Questions	BL	CO	Unit No
1	Explain the challenges in distributed systems.	L2	CO1	I
2	Explain about communication distributed objects	L2	CO2	I
3	Explain the architectural model of distributed system	L2	CO1	I
4	What are the characteristics of interprocess communication?	L1	CO2	I
5	Explain the Remote Procedure Call	L2	CO2	I
6	What is Remote Method Invocation (RMI), and how does it allow objects to communicate across a network in Java-based distributed systems	L2	CO2	I
7	Explain the Operating system layers	L2	CO2	II
8	Explain the microkernel and monolithic kernel architectures suitable for a distributed system	L2	CO2	II
9	Explain Invocations between address spaces.	L2	CO2	II
10	Compare and contrast the two file systems – Sun NFS and Andrew File system.	L2	CO2	II
11	With a neat diagram, explain file service architecture	L2	CO2	II

12	Explain the flat file service operations.	L2	CO2	II
13	Distinguish between IP and overlay routing for peer-to-peer applications	L4	CO3	III
14	Explain the functional and non-functional requirements of peer-to-peer middleware	L2	CO3	III
15	Summarize the steps in peer-to-peer file sharing using Napster's method	L2	CO3	III
16	Explain the steps in Pastry's routing algorithm.	L2	CO3	III

CMR Technical Campus

B.Tech Mid Question Bank (R22 Regulation)

Academic Year: 2025-26 **Semester: VIII**

Subject Name: Data Visualization Using Python

Faculty Name: B.Aditya, Bushra Tarannum

PART-A

Q.No	Questions	BL	CO	Unit No
1	Define data visualization and state its main goal.	BL 1	CO1	1
2	List any two advantages of using visualizations in data analysis.	BL 1	CO1	1
3	What is Matplotlib? Name one alternative Python visualization library.	BL 2	CO1	1
4	What is meant by an interactive plot? Give one example of interaction.	BL 2	CO1	1
5	What is a Pandas DataFrame?	BL 2	CO2	2
6	Write one method to read tabular data into a DataFrame.	BL 1	CO2	2
7	Name two built-in plotting functions available via DataFrame.plot().	BL 1	CO2	2
8	Mention any two main components of a Matplotlib figure hierarchy.	BL 2	CO2	2
9	What is Seaborn and on which library is it built?	BL 2	CO3	3
10	Define Altair Datatypes.	BL 1	CO3	3

PART-B

Q.No	Questions	BL	CO	Unit No
1	Explain four best practices for designing clear and effective visualizations.	BL2	CO 1	1
2	Write a short note on JavaScript/JSON/WebGL in web-based data visualization.	BL2	CO 1	1
3	Identify the differences between line plot, bar chart, scatter plot and histogram.	BL3	CO 1	1
4	Discuss advantages and limitations of 3D plots compared to 2D plots.	BL4	CO 1	1
5	Explain the concept of grids and meshes in numerical computing and data	BL2	CO 1	1

	visualization.Explain the use of mesh grids in plotting 3D surfaces.			
6	Discuss different plot categories (statistical, images, networks, geographical, 3D, interactive) and explain where each is most appropriate.	BL4	CO 1	1
7	Explain how to Create and Manipulate a DataFrames in Pandas with suitable Examples	BL3	CO 2	2
8	Describe two ways of handling missing values in a DataFrames before visualization.	BL2	CO 2	2
9	What is subplotting in Matplotlib?	BL2	CO 2	2
10	List the advantages and limitations of using Pandas' built-in plotting compared with using Matplotlib directly?	BL2	CO 2	2
11	Explain data visualization using Pandas in detail.	BL2	CO 2	2
12	Explain the anatomy of a Matplotlib plot and also Discuss at least four customization options for Matplotlib plots	BL4	CO 2	2
13	Explain the features of Seaborn.	BL2	CO3	3
14	Discuss the categories of Seaborn plots: relational, distribution and cate- gorical, with one example each.	BL2	CO3	3
15	Explain the roles of data, mark and encoding in Altair with a simple chart description.	BL2	CO3	3
16	Write a short notes on setting global configuration or themes in Altair.	BL2	CO3	3

Department of Computer Science and Engineering
B. Tech Mid Question Bank

Academic Year: 2025-2026 **Semester: VIII**

Subject Name: Human Computer Interaction

Faculty Name: Mrs. Saba Sultana

PART-A

Q.No	Questions	BL	CO	Unit No
1.	What is meant by good user interface?	BL1	CO1	1
2.	Define HCI. What are the basic goals of HCI.	BL1	CO1	1
3.	Discuss about GUI.	BL1	CO1	1
4.	Explain the problems of Direct manipulation.	BL2	CO1	1
5.	What is the role of screen navigation?	BL1	CO2	2
6.	What is Statistical Graphics?	BL1	CO2	2
7.	Write short notes on Human interaction Speeds.	BL4	CO2	2
8.	List the Direct Methods & in-direct methods.	BL1	CO2	2
9.	Outline any 5 window operations.	BL1	CO3	3
10.	What are messages? List the various types of messages.	BL1	CO3	3

PART-B

Q. NO	Questions	BL	CO	Unit No
1	What are the benefits of good design? Explain.	BL1	CO1	1
2	Summarize the history of screen design.	BL1	CO1	1
3	Write short notes on web popularity.	BL1	CO1	1
4	Explain the Principles for the XEROX STAR?	BL1	CO1	1
5	Discuss in detail the importance of user interface for success of a software.	BL2	CO1	1
6	Discuss the following principles of user interface design i. Transparency ii. Simplicity iii. Responsiveness iv. Flexibility	BL2	CO1	1
7	Examine about organizing and ordering of screen elements.	BL1	CO2	2

8	Explain in detail about determining basic business functions.	BL2	CO2	2
9	Discuss various technological considerations involved in designing an interface. With a neat example?	BL3	CO2	2
10	Explain important Human Characteristics in Design.	BL2	CO3	3
11	List various statistical graphic forms and explain surface charts, bar graphs and histograms with suitable examples	BL1	CO2	2
12	With a neat sketch, explain various visually pleasing compositions of screen design.	BL2	CO2	2
13	Categorize various components of a window.	BL1	CO3	3
14	Explain various characteristics of windows.	BL2	CO3	3
15	Explain about the selection of screen-based controls.	BL2	CO3	3
16	Explain Indirect pointing devices.	BL2	CO3	3