



# PIMPRI CHINGHWAD UNIVERSITY

Established Under Govt. of Maharashtra Act No. V of 2023  
Sate, Maval (PMRDA). Dist-Pune, Maharashtra-412106 www.pcu.edu.in



Name. Abhuj kevcu+

Printed Pages:

Student Enrollment number. No.: 10043

Mid Term (MT)

School of Engineering  
Semester:- Odd 2023,

Month- Oct/Nov

[Programme: Name | Masters in Computer Application

[Semester] [Batch:] I

Course Title: **Organizational Behaviour**  
Course Code: **MC101**

Max Marks: 50  
Time:(2 Hrs)

**Instructions:**

1. All questions are compulsory.
2. Assume missing data suitably, if any.

**SECTION-A**

Note: This section consists of Short answer (05 \*2 marks)

(Attempt all question)

S No	QUESTION	BTL	CO	Max Marks (10 marks)
1	Explain how organizational behavior theories have evolved over time.	KL1 / KL2	CO2	02
2	Illustrate the effects of globalization on organizational behavior.	KL3	CO1	02
3	Name one significant contributor of OB and briefly describe their perspective.	KL2	CO2	02
4	Explain the role of organizational behavior strategic management.	KL2/ KL3	CO1	02
5	Discuss two major challenges faced in managing organizational behavior.	KL2	CO1	02

**SECTION-B -**

( Max Marks : 20)

This section consists of Descriptive questions.

(Attempt any 4 questions)

1	Describe and compare the 5 different models of OB.	KL1/KL2	CO2	05
2	Discuss the concept of motivation and rewards in organizational behavior. Explain any 1 theory of motivation and how it can be implemented in an organization.	KL2 / KL3	CO1	05
3	Elaborate Hawthorne studies by explaining any 3 experiments conducted under this studies.	KL2 / KL3	CO2	05
4	How can organizations foster a work environment that enhances employee well-being and creativity?	KL2 / KL3	CO1	05
5	Describe the concept of leadership and the different types of teams found in organizations.	KL2	CO3	05

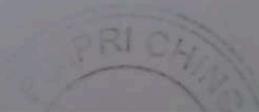
**SECTION-C**

Marks (20 marks)

This section consists of Case Study based Questions

(Attempt any two questions)

Case Study  
Background:



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ABC Inc. is a multinational corporation with a diverse workforce spread across multiple continents. They have been experiencing challenges in maintaining effective leadership practices due to the impact of globalization. The company's leadership team is struggling to adapt to the diverse cultural backgrounds and expectations of their employees.

### Case Scenario:

The company's CEO is concerned about the rising turnover rate and a decrease in employee engagement levels. The leadership team has traditionally employed an autocratic leadership style that has worked well in the past. However, it is proving to be ineffective in the current global context.

Notes Society

1	Identify and illustrate the specific challenges faced by the leadership team in a globalized organization like ABC Inc.	KL2/ KL3	CO3	10
2	Suggest leadership strategies that could help ABC Inc. adapt to the challenges posed by globalization.	KL3 / KL4	CO3	10
3	How can the leadership team at ABC Inc. balance the need for consistency and alignment in their global operations with the need for flexibility and adaptation to diverse cultural contexts?	KL4 / KL5	CO3	10



**PCET's PIMPRI CHINCHWAD UNIVERSITY,  
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Name. <u>Abha</u>	Printed Pages:02
Student Enrollment number. No.: <u>70043</u>	SET-A

Department School of Engineering & Technology  
Semester:- Odd 2023, Month- Oct/Nov

[Programme: MCA] [1st Semester] [Batch:2023-24]

Course Title: Object Oriented Software Engineering Course Code: MCA113	Max Marks: 50 Time:(2 Hrs)
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**Instructions:**

1. All questions are compulsory.
2. Figure to the right indicates full marks.

**SECTION-A**  
Short answer (05 \*2 marks)  
(Attempt all question)

S.No	QUESTION	BTL	CO	Max Marks(10 marks)
1	What is UML?	KL2	CO1	[2 M]
2	What are the phases of the Waterfall model?	KL2/KL3	CO1	[2 M]
3	What is class in OOSE?	KL2/KL3	CO2	[2 M]
4	What is inheritance in OOSE?	KL2/KL3	CO2	[2 M]
5	Lists the phases of SDLC?	KL2/KL3	CO2	[2 M]

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**SECTION-B -** ( Max Marks : 20)  
This section consists of Descriptive questions. (Attempt any 4 questions)

1	Describe RUP in detail?	KL1/KL2	CO1	[5M]
2	Explain Software Requirement Specification(SRS) in brief?	KL1KL2	CO1	[5M]
3	What is object oriented analysis?	KL1/KL2	CO2	[5M]
4	Give brief details on aggregation and composition?	KL1/KL2	CO2	[5M]
5	Explain Functional and Nonfunctional requirements of SRS?	KL1/KL2	CO1	[5M]

**SECTION-C** Marks (20 marks)  
(Attempt any two questions)

This section consists of Case Study/Experiential learning based Questions

1	Prepare SRS for the following system. "Dadu's Sweet Mart has made the decision to implement an automated billing system. The shop operates multiple serving counters and aims to incorporate the following features: - Customers will utilize RFID cards to input their purchase details at the designated counter. - The final bill is generated at the cash counter, taking	KL3/KL4	CO3, CO4	[10M]
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## PCET's PIMPRI CHINCHWAD UNIVERSITY, Sate, Maval, Pune-412106



	into account the information recorded through RFID card entries. - Customers have the option to settle the bill using cash, card, or Google Pay."			
2	Create use case and class diagrams for a job placement website offering candidate registration with academic, personal details, and skills. Additionally, enable organizations to register with their job requirements. The site should feature search functionality for job and candidate searches.	KL3/KL4	CO1,CO2 ,CO3	[10M]
3	Prepare SRS for the following system. The Software Development team at PCU is in the process of developing a <u>Student Registration System</u> . This newly customized system will empower students to <u>register for courses and check their semester results from any computer device that connects to the campus network</u> . Additionally, lecturers will have the ability to <u>log in to access the courses assigned to them and record grades</u> . The system should ensure that all University courses are kept up-to-date and accessible via the Internet. The registrar's office will manage <u>course information and grades through dedicated user interfaces</u> . At the start of each semester, students can <u>request or access a list of available courses for that semester</u> .	KL3/KL4	CO3, CO4	[10M]





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Name: Abhay Hevat

Student Enrollment number. No.: 10043

Printed Pages:

Mid Term (MT),  
[Programme:MBA/MCA ]

School of Management/  
Semester-: Odd 2023-24, Month- Oct/Nov  
[Semester-I]

[Batch:2023-25]

Course Title : Proficiency in English & Leadership  
Course Code: PENG601

Max Marks: 50  
Time:(2 Hrs)

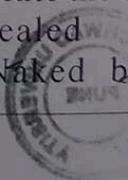
**Instructions:**

1. All questions are compulsory.
2. Assume missing data suitably, if any.

**SECTION-A**

Note: This section consists of multiple-choice questions (10\*1 mark) or Short answer (05 \*2 marks)  
(Attempt all question)

S.No	QUESTION	BTL	CO	MaxMarks(10 marks)
1	Select the correct meanings of the given idioms and phrases out of the given option-Apple Pie Order a. In random order b. Related to fruits packing c. Related to dry fruit packing d. In perfect order	KL1	CO1	1
2	<b>Out of the four alternatives suggested selecting the one which best expresses the same sentence in Passive (or Active) voice.</b> Do you imitate others? a. Are others imitated by you? -b. Are others being imitated by you? c. Were others being imitated by you? d. Have others been imitated by you?	KL1	CO1	1
3	<b>Fill in the blank with the correct use of tenses.</b> I _____ white washing my house since morning, so I am feeling tired. a. have been b. has been c. will be d. will have been	KL1	CO1	1
4	In the following questions, find out which part of the sentence has an error. If there is no mistake, the answer is "no error" My father is (a) / <del>in</del> bad mood (b) / today. (c) No error (d).	KL1	CO1	1
5	Fill in the blank with the correct use of article- Copper is _____ Useful metal. a. a b. an c. the d. Zero article	KL1	CO1	1
6	<b>Indicate the correct synonym of the given word:</b> Sensuous a. Aesthetic b. Abundant c. Delicious d. Imposing	KL2	CO2	1
7	<b>Indicate the correct antonym of the given word:</b> Revealed a. Naked b. Concealed c. Open d. Bare	KL2	CO2	1





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8	<b>Indicate the mis-spelt word?</b> a. Exemplify b. Eroneous c. Extraneous d. Exuberant	KL2	CO2	1
9	<b>Indicate the correct word for blank</b> We should ___ the plane now. a. Board b. Bored	KL2	CO2	1
10	<b>RMSA stands for</b> _____ a. Rashtriya Madhyamik Shiksha Abhiyan b. Rivers Management and Safety Authority c. Rashtriya Middle School Association d. Recurring Modest Secured Account <b>GIS stands for</b> _____ a. Geographical International Studies b. Global Institute for Soils c. Global Information Statistics d. Geographical Information Systems ✓	KL2	CO2	1

## SECTION-B - (Max Marks : 20)

This section consists of Descriptive questions.

(Attempt any 4 questions)

1	"The sentence is the essence of the paragraph." Describe the features of good sentence.	KL2	CO1	5
2	Discuss the Blending and Compound form of word formation with examples.	KL2	CO2	5
3	Write short note on- Coinage and Borrowing.	KL3	CO2	5
4	"Knowledge of languages is the doorway to wisdom." Determine the role of language in life.	KL3	CO3	5
5	Write a short note on the 'role of professional communication.'	KL3	CO3	5

## SECTION-C Marks (20 marks)

(Attempt any two questions/one Case study)

This section consists of Case Study/Experiential learning based Questions

1	Analyze Shannon & Weavers' model of communication.	KL4	CO3	10
2	Bring out the difference between organizational and mass communication.	KL4	CO3	10
3	Differentiate between general and technical communication	KL4	CO3	10





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Name. Abhay Revut  
Student Enrollment number. No.: 10043

Printed Pages: 02

## SET A

School of Engineering & Technology

Mid Term(MT)

Semester:- Odd

Year 2023 Month- Oct/Nov

[Programme: MCA]

[1st Semester]

[Batch:2023-24]

Course Title: Data Structure and Algorithms

Course Code: MCA112

Max Marks: 50  
Time:(2 Hrs)

**Instructions:**

1. All questions are compulsory.
2. Figure to the right indicates full marks.

### SECTION-A

(Attempt all question)

Sr. No	QUESTION	BTL	CO	Max Marks (10 marks)
1	What is reverse polish notation?	KL1	CO1	2
2	What are the drawbacks of singly linked list?	KL1	CO1	2
3	State any four applications of stack.	KL1	CO1	2
4	What is dequeue?	KL2	CO1	2
5	Define : Linear Data Structure	KL2	CO1	2

### SECTION-B -

This section consists of shorts description on

(Max Marks : 20)

(Attempt any four)

1	What is a linked list? Explain its types in brief.	KL2/KL3	CO2	5
2	Write a program to perform <u>push</u> and <u>pop</u> operations on stack.	KL2/KL3	CO2	5
3	Define array. Explain 1D and 2D array.	KL2/KL3	CO2	5
4	What are infix, postfix, and prefix expressions? Write rules to convert infix expression to postfix expression.	KL2/KL3	CO2	5
5	What is a queue? Discuss different types of queue.	KL2/KL3	CO2	5



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SECTION-C ✓

Marks (20 marks)

(Attempt any two)

This section consists of Case Study/Experiential learning based Questions

Handwritten: 10000

1	Write a program to perform enqueue(), dequeue(), display() and count() operations on a simple queue.	KL3/KL4	CO5/CO6	10
2	Convert following infix expression to postfix expression using stack: $K + L - M * N + (O - P) * W / U / V * T + Q$	KL3/KL4	CO5/CO6	10
3	Write a program to perform insertAtBeginning(), insertAtEnd(), display() operations on a linked list.	KL3/KL4	CO5/CO6	10

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Name: \_\_\_\_\_

Student Enrollment number. No.: \_\_\_\_\_

Printed Pages: \_\_\_\_\_

Mid Term (SET-B)

School of Engineering

Semester:- Odd 2023, Month- Oct-Nov

Program Name: Master of Computer Application

Semester: First

Batch: 2023-25

Course Title: Introduction to Artificial Intelligence

Course Code: IAI-101

Max. Marks: 50  
Time: 2 Hours

Instructions:

1. All questions are compulsory.
2. Assume missing data suitably, if any.

### SECTION-A

S.No	QUESTIONS	BTL	CO	(Total Marks: 10)
Q. 1	Define any <b>FIVE</b> terms:			
(a)	Artificial Intelligence	KL1	CO1	2
(b)	Computer Vision	KL1	CO1	2
(c)	Expert System	KL1	CO1	2
(d)	Rational Agent	KL1	CO2	2
(e)	Robotics	KL1	CO1	2
(f)	Semi-Supervised Learning	KL1	CO2	2

### SECTION-B

Attempt any **FOUR** questions

(Total Marks: 20)

Q. 1	What is Computer Vision? Discuss its application and challenges in deploying AI technologies.	KL1/ KL6	CO1	5
Q. 2	Write a short note on AI-driven problem-solving.	KL2	CO1	5
Q. 3	Discuss various languages used in AI technology.	KL6	CO1	5
Q. 4	What is the concept of learning? Discuss various types of learning in AI technologies.	KL1/ KL6	CO2	5
Q. 5	Differentiate supervised and unsupervised learning.	KL2	CO2	5

### SECTION-C

Attempt any **TWO** questions

(Total Marks: 20)

Q. 1	Discuss the history of AI technologies.	KL6	CO1	10
Q. 2	What do you mean by the environment of the agent? Discuss the different types of environments that agents can operate in.	KL1/ KL6	CO2	10
Q. 3	What is an Agent? Discuss various types of agents with examples.	KL1/ KL6	CO2	10

sin mod

linear design

to mean consistency



**PCET's PIMPRI CHINCHWAD UNIVERSITY,  
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Academic Year:  
2023-24

**MID-TERM**

TERM - I

Supplement - 203, 3924, 3937

Name: Abhay J. Kevat

Printed Pages: 02

Student Enrollment number. No.: SOS23302010043

(SET-A)

**SCHOOL OF ENGINEERING**  
Mid Term, Semester-: Odd 2023, Month- Oct/Nov  
[Program: MCA] [1<sup>st</sup> Sem.] [Batch:2023-24]

Course Title: PROGRAMMING WITH PYTHON

Max Marks: 50  
Time:(2 Hrs.)

Course Code: MCA-111

**Instructions:**

1. All questions are compulsory.
2. Assume missing data suitably, if any.

**SECTION-A**

(Attempt all question)

Max Marks(10 marks)

S.No	QUESTION	BTL	CO	Max Marks
1	Write Syntax in python to open and close file.	KL2	CO3	2M
2	Illustrate the use of getwd() and rmdir() in python.	KL2	CO2	2M
3	What is the use of read lines () function in python?	KL1	CO1	2M
4	Discuss the benefit of defining a Class.	KL6	CO3	2M
5	What is the use of Split function in file I/O handling?	KL1	CO3	2M

**SECTION-B**

( Max Marks : 20)

(Attempt any 4 questions)

1	Compare try, except and finally statement in python with an example.	KL4	CO3	5M
2	What is python? Explain its significance and applications.	KL1/ KL2	CO1	5M





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Academic Year:  
2023-24

MID-TERM

TERM - I

3	Write a program in python for a file article.txt to count the number of words starting with "T".	KL2	CO3	5M
4	Write a program in python to make a calculator using a conditional statement.	KL2	CO2	5M
5	Explain the mechanism of file input output handling.	KL2	CO3	5M

SECTION-C

Marks (20 marks)

Attempt any two questions

1	Categorize data types: Int, float, Boolean, String, List, Tuple, Dictionary with syntax.	KL4	CO1	10M
2	What is the significance of Self parameter in classes and objects? Write its syntax and explain through example by taking student management system (Name, Roll no., Gender).	KL1/KL2	CO3	10M
3	A text file named "matter.txt" contains some text, which needs to be displayed such that every next character is separated by a symbol "#". Write a function definition for hash_display() in Python that would display the entire content of the file matter.txt in the desired format.	KL3	CO2	10M

