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(Approved by AICTE, Recognized by DTE, Mah.; Affiliated to SPPU )

**End-Term Examination 2022-2023**

Subject : IT11 Java Programming

Class: MCA-I (Sem I)

Date: 20/02/2023 Time: 2<sup>1/2</sup> Hrs

Marks: 50

**Note:** 1) All questions are compulsory.

2) Section A: Each MCQ carry half mark

**Section A -Objective**

**Q.1) Attempt all the following MCQ questions**

[10M]

- 1.1 What is multithreaded programming?  
A. It's a process in which two different processes run simultaneously  
B. It's a process in which two or more parts of same process run simultaneously  
C. It's a process in which many different process are able to access same information  
D. It's a process in which a single process can access information from many sources
- 1.2 Which of these packages contain all the collection classes?  
A. java.lang      B.java.util      C.java.net      D.java.awt
- 1.3 Select the packages in which JDBC classes are defined.  
A. jdbc and javax.jdbc    B. rdb and javax.rdb    C.jdbc and java.jdbc.sql    D. sql and javax.sql
- 1.4 Which of the following is not a valid statement in JDBC?  
A.Statement      B. PreparedStatement      C.QueryStatement      D.CallableStatement
- 1.5 Threads are  
A. lightweight process      B. heavyweight process      C. both      D. none
- 1.6 What is Collection in Java?  
A. group of objects      B. group of classes      C. group of interfaces      D. None of the mentioned
- 1.7 The size of a frame on the screen is measured in \_\_\_\_\_  
A. Inches      B.Dots      C.Nits      D.Pixels
- 1.8 What is the name of the method used to start a thread execution?  
A. resume();    B. run();    C. start();    D. init();
- 1.9 Which implementation of Iterator can traverse a collection back and forth?  
A. Iterator      B. ListIterator      C. SetIterator      D. MapIterator
- 1.10 Which of the following method is used to perform DML statements in JDBC?  
A. executeResult()      B.executeQuery()      C.executeUpdate()      D.execute()
- 1.11 In which of the following type of ResultSet, the cursor can only move forward in the result set?  
A . ResultSet.TYPE\_FORWARD\_ONLY      B . ResultSet.TYPE\_SCROLL\_INSENSITIVE  
C. ResultSet.TYPE\_SCROLL\_SENSITIVE      D . None of the above.
- 1.12 Give the abbreviation of AWT?  
A. Applet Windowing Toolkit      B. Abstract Windowing Toolkit  
C. Absolute Windowing Toolkit      D. None of the above
- 1.13 We can create thread in java by  
A. extending the Thread Class      B. implementing Runnable Interface      C. both A & B      D. None
- 1.14 Which among the following stores element in ascending order?  
A. ArrayList      B.HashSet      C.TreeSet      D.Both A & C
- 1.15 This method returns a reference to the currently executing thread object.  
A. currentThread()      B.isAlive()      C.yeild()      D.resume

- 1.16 JDBC stands for?  
A. Java Database Connect      B. Java Database Connectivity  
C. Json Database Connectivity      D. Json Database Connect
- 1.17 ArrayList, LinkedList and vector are all \_\_\_\_\_  
A. interface      B. enums      C. class      D. Depends on implementation
- 1.18 Which of these event is generated when a button is pressed?  
A. WindowEvent      B. ActionEvent      C. KeyEvent      D. MouseEvent
- 1.19 Which is the container that doesn't contain title bar and MenuBars but it can have other components like button, text field etc?  
A. Window      B. Frame      C. Panel      D. Container
- 1.20 How many types of JDBC drivers?  
A. 1      B. 2      C. 3      D. 4

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### Section B-Subjective

[40M]

*Note: 1) Solve all Questions*

- Q2 a. Write a JDBC program to display the details of employees (eno, ename, department, [05]  
sal) whose department is "Computer Science".
- b. Write a java program to print "Hello Java" message 10 times. *we multithreading* [05]
- Q3 a. Differentiate ArrayList and Vector [05]
- b. Explain Adapter class and give example. [05]
- Q4 Write a short note on: [10]
- a. Statement      b. Thread life cycle
- Q5 Write a Java program to design a screen using Awt that will take a user name and [10]  
password. If the user name and password are not same, raise an Exception with appropriate  
message. User can have 3 login chances only. Use clear button to clear the TextFields

**Subject** : IT 12 Data Structures and Algorithms

## Class: MCA-I (Sem I)

Date: 21 /02/2023

**Time:** 2hrs 30Mins

**Marks: 50**

**Note:** 1) All questions are compulsory 2) Section A: Each MCO carry half mark

**Q.1) Attempt all the following MCQ questions**

[10M]

- Which one of the following is an application of Stack Data Structure?  
a)Managing function calls b) The stock span problem c)Arithmetic expression evaluation d)All of the above
  - What is a hash table?  
a. structure that maps values to keys  
b. structure used for storage  
c. structure that maps keys to values  
d. A structure used to implement stack and queue
  - What can be the techniques to avoid collision?  
a.Make the hash function appear random  
b)Use the chaining method  
c)Use uniform hashing  
d)All of the mentioned
  - What is the worst case for linear search?  
a) O(nlogn) b) O(logn) c) O(n) d) O(1)
  - In a max-heap, element with the greatest key is always in the which node?  
a) Leaf node b) First node of left sub tree c) root node d) First node of right sub tree
  - The travelling salesman problem can be solved using \_\_\_\_\_  
a) A spanning tree b) A minimum spanning tree c) Bellman – Ford algorithm d) DFS traversal
  - Which of the following is not the algorithm to find the minimum spanning tree of the given graph?  
a) branch and bound b) Prim's algorithm c) Kruskal's algorithm d) Bellman–Ford algorithm
  - Find the maximum sub-array sum for the given elements {2, -1, 3, -4, 1, -2, -1, 5, -4}  
a) 3 b) 5 c) 8 d) 6
  - Binary Search can be categorized into which of the following?  
a) Brute Force technique b) Divide and conquer c) Greedy algorithm d) Dynamic programming
  - The number of rotation required to insert a sequence of elements 9,6,5,,8,7,10 into an empty AVL tree is:  
a) 0 b) 1 c) 2 d) 3
  - What is the special property of red-black trees and what root should always be?  
a) a color which is either red or black and root should always be black color only  
b) height of the tree c) pointer to next node d) a color which is either green or black
  - Given an array arr = {5,6,77,88,99} and key = 88; How many iterations are done until the element is found?  
a) 1 b) 3 c) 4 d) 2
  - Merge sort uses which of the following technique to implement sorting?  
a) backtracking b) greedy algorithm c) divide and conquer d) dynamic programming

14. How many sub arrays does the quick sort algorithm divide the entire array into?  
a) one b) two c) three d) four
15. What is the objective of tower of hanoi puzzle?  
a) To move all disks to some other rod by following rules  
b) To divide the disks equally among the three rods by following rules  
c) To move all disks to some other rod in random order  
d) To divide the disks equally among three rods in random order
16. What is row 5 in pascal triangle?  
a) 1,2,1      b) 1,3,3,1      c) 1,4,,9,4,1      d) 1,5,10,10,5,1
17. Which of the problems cannot be solved by backtracking method?  
a) n-queen problem b) subset sum problem c) hamiltonian circuit problem d) travelling salesman problem
18. Recursive solution of tower of hanoi problem is an example of which of the following algorithm?  
a) Dynamic programming b) Backtracking c) Greedy algorithm d) Divide and conquer
19. Which of the following algorithm can be used to solve the Hamiltonian path problem efficiently?  
a) branch and bound b) iterative improvement c) divide and conquer d) greedy algorithm
20. Backtracking algorithm is implemented by constructing a tree of choices called as?  
a) State-space tree      b) State-chart tree      c) Node tree      d) Backtracking tree

## Section B

[40Marks]

Q2. Attempt the following:

- a) Construct AVL tree from the following data 21,26,30,9,4,14,28,18,15,10,2,3,7 [6Marks]
- b) Explain Binary search algorithm using iterative approach with the help of example [6marks]

OR

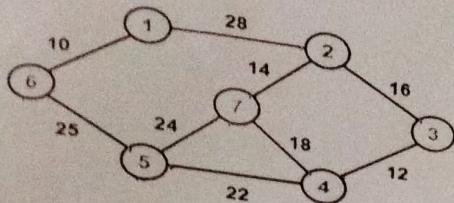
- a) Perform Quick sort on the following data: 19,17,15,12,16,18,4,11,13 [6Marks]
- b) Explain tower of Hanoi and its rule for 2 disk. [6Marks]

Q3. Attempt the following

- a) Explain all the hash function method in detail [6Marks]
- b) Construct red and black tree from the following data: 10,18,7,15,16,30,25,40,60 [6Marks]

OR

- a) Explain rain terraces problem with the help of example [4,2,0,3,2,5] [6Marks]
- b) Solve the following Graph problem using prism algorithm [6Marks]



Q4. Attempt the following questions:

a) Explain the concept of backtracking with the help of example

[6Marks]

b) Solve following problem with the help of unbounded knapsack approach where  $m=30$  (Total Weight)

Object(o)	1	2	3	4	5	6	7
Profit(p)	10	5	15	7	6	18	3
Weight(w)	2	3	5	7	1	4	1

[6Marks]

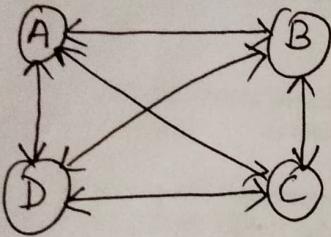
OR

a) Explain Merge sort with the help of example

[6Marks]

b) Solve the graph with the help of travelling sales man problem (Use Dynamic Programming)

[6Marks]



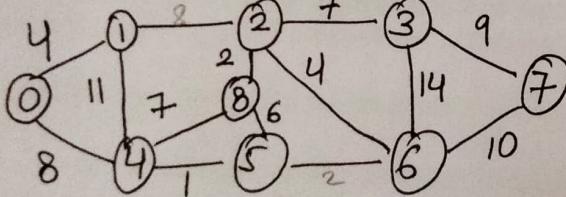
Cost Matrix:

	A	B	C	D
A	0	16	11	6
B	8	0	13	16
C	4	7	0	9
D	5	12	2	0

Q5. Attempt the following:

a) Solve the following question using Dijkstra's Algorithm

[6Marks]



b) Explain Heap and its types with the help of example

[4Marks]

OR

a) Construct binary tree from the following

[6Marks]

Inorder Traversal: 10 20 30 100 150 200 300

Preorder Traversal: 100 20 10 30 200 150 300

b) Explain priority queue with the help of example

[4Marks]

## End-Term Examination 2022-2023

Subject :IT14 Operating System Concepts

Class: MCA-I (Sem I)

Date: 23/02/2023

Time: 2<sup>1/2</sup> Hrs

Marks: 50

**Note:** 1) All questions are compulsory.

2) Section A: Each MCQ carry half mark

### Section A –Objective

**Q.1) Attempt all the following MCQ questions**

[10M]

1.1 The main objective of multiprogramming is

- a. Increase the CPU Utilization
- b. Increase the memory Utilization
- c. Speedup the execution
- d. All of the above

1.2 Which scheduling policy is most suitable for time shared OS?

- a. SJF
- b. Round Robin
- c. FCFS
- d. Elevator

1.3 Scheduling is

- a. Allowing jobs to use the processor
- b. Unrelated to performance condition
- c. Quite implement to n large main frames
- d. The same regardless of the computer system

1.4 FIFO CPU scheduling is

- a. Pre-emptive
- b. Non-pre-emptive
- c. Dead Line
- d. Fare Share

1.5 The Process Scheduler in the process mgt

- a. Gives all submitted jobs to the job scheduler
- b. Selects a process to run
- c. Selects a job to run
- d. Co-ordinates the process synchronization

1.6 The Dispatcher

- a. Actually, schedules the task in to processor
- b. Is very small and simple
- c. Puts tasks in to I/O wait
- d. Never Changes task priorities

1.7 Feedback Queues

- a. are very simple to implement
- b. Dispatch tasks according to execution characteristics
- c. Always use many resources
- d. Are most appropriate for *large computer*

1.8 I/O intensive job

- a. Use less processor time than others
- b. You are constrained by their I/O requirements
- c. Run more quickly than processor intensive jobs
- d. Should all be executed at the same time

1.9 The FIFO algorithm

- a. Executes the job that last entered in the queue
- b. Executes the job that First entered in the queue
- c. Executes the job that least processor units
- d. Which is in the queue for longest

1.10 A Task is

- a. The smallest discrete step in a job
- b. A piece of work
- c. Page of I/O
- d. A collection of jobs

1.11 A process is another name for

- a. A job
- b. A task
- c. Paging
- d. Dispatcher

1.12 Priorities

- a. are used to schedule the process
- b. Increased a process remain in the process
- c. Are attached to each page in the system
- d. Are assigned by the user

1.13 Round Robin scheduling is essentially the preemptive version of  
a. FIFO      b. Shortest Seek Time First    c. Priority      d. Longest Time First

1.14 What is the purpose of resource allocation graph?  
a. To represent deadlock                          b. To detect the dead lock  
b. To avoid the dead lock                          d. To prevent the deadlock

1.15 A process said to be in-----state if it was waiting for event that will never occur  
a. safe    b. unsafe    c. starvation    d. deadlock  
e.

1.16 Which of the following resources can cause a deadlock?  
a. Read only files                                    c. Printers  
b. shared Programs                                    d. All

1.17 The page size and frame size  
a. should be equal                                    c. page size should be grater  
b. need not equal                                    d. frame size should be greater

1.18 Ubuntu was developed by  
a. Windows OS                                        b. Red hat    c. Canonical Ltd                                    d. Macintosh

1.19 Which command is used to see the files and directories on linux OS  
a. ls    b. cat    c. grep    d. wc

1.20 Which command is used to download the application using terminal window in linux  
a. apt-get    b. apt-receive                                        c. apt-install    d. None

## Section B- Subjective

Marks[40M]

*Note: 1) Attempt any eight question from Q.2 to Q. 11  
2) Each Question carry 5 marks each.*

Q. 2 What is the difference between Multi processing and Multicore?

Q. 3 What are the different file allocation methods explain with a diagrams

Q. 4 What is the difference between symmetric and assyumetric multiprocessing?

Q. 5 What is UMA, NUMA & NORMA?

Q. 6 What is the Mobile Mobile Operating System Concepts & Features?

Q. 7 What is RTOS & Enbeded OS?

Q. 8 Explain the commands touch, grep, cat , wc & ls

Q. 9 Explain the commands apt-get, pid, pwd, alias & wc

Q. 10 How to install the device drivers in ubuntu?

Q.11 What is the use of ubuntu software center?

**End-Term Examination 2022-2023**

Subject : Network Technologies

Class: MCA-I (Sem I)

Date: 24 /02/2023

Time: 2<sup>1/2</sup> Hrs

Marks: 50

**Note:** 1) All questions are compulsory.  
2) Section A: Each MCQ carry half mark

**Section A -Objective****Q.1) Attempt all the following MCQ questions****[10M]**

- 1.1 \_\_\_\_\_ refers to a set of procedures used to restrict the amount of data that the sender can send before waiting for acknowledgment.  
 a. Flow Control      b. Error Control      c. Transmission      d. None of the above
- 1.2 \_\_\_\_\_ control in the data link layer is based on automatic repeat request, which is the retransmission of data.  
 a. Flow Control      b. Error Control      c. Transmission      d. None of the above
- 1.3 Bit stuffing means adding an extra 0 to the data section of the frame when there is a sequence of bits with the same pattern as the \_\_\_\_\_.  
 a. Header      b. Flag      c. Trailer      d. All of the mentioned
- 1.4 Go-Back-N and Selective-Repeat Protocols use a \_\_\_\_\_.  
 a. sliding frame      b. sliding window      c. sliding packet      d. none of the above
- 1.5 For Stop-and-Wait ARQ, for 15 data packets sent, \_\_\_\_\_ acknowledgments are needed.  
 a. exactly 15      b. less than 15      c. more than 15      d. none of the above
- 1.6 Which of the following methods is/are used in Message switching?  
 a. Store and Forward      b. Switch to Switch      c. Both a and b      d. None of the above
- 1.7 Which category of HDLC frames undergoes error and flow control mechanisms by comprising send and receive sequence numbers?  
 a. U-frames      b. I-frames      c. S-frames      d. All of the above
- 1.8 Which ARQ mechanism deals with the transmission of only damaged or lost frames despite the other multiple frames by increasing the efficiency & its utility in noisy  
 a. Go-Back-N ARQ      b. Selective Repeat ARQ      c. Stop-and-Wait ARQ      d. All of the above
- 1.9 Which of the following is an application layer service?  
 a. Network virtual terminal      b. File transfer, access and management      c. Mail service      d. All of the above
- 1.10 TCP/IP .....layer corresponds to the OSI models to three layers  
 a. Application      b. Presentation      c. Session      d. Transport
- 1.11 The art of breaking ciphers is known as:  
 a.. cryptology      b. cryptography      c. cryptanalysis      d. crypting

- 1.12 Decryption and Encryption of data are the responsibility of which of the following layer?  
a. Session layer      b. Network layer      c. Transport layer      d. Presentation layer
- 1.13 The Dial-up connections to access the internet uses \_\_\_\_ protocol.  
a. PPP (Point to Point protocol)    b. X.25 protocol    c. PLIP protocol    d. None
- 1.14 Bit stuffing is done by inserting \_\_\_\_, after \_\_\_\_ consecutive ones.  
a. Zero, seven      b. Zero, five      c. One, seven      d. One, five
- 1.15 Bit stuffing is done by inserting \_\_\_\_, after \_\_\_\_ consecutive ones. *Every computer or a internet device has a unique MAC address* *State True or False*
- 1.16 What is a HUB?  
a. Software      b. Computing Device      c. Network Device      d. Calculating Device
- 1.17 Generate CRC code for the data word 1010001011 using the divisor 11101  
a. 1000      b. 1111      c. 1110      d. 1
- 1.18 The received Hamming code word is 101101010. Using odd parity locates and corrects the bit in error  
a. 1st Position      b. 2nd Position      c. 3rd Postion      d. 4th Position
- 1.19 Which one of the following is a data link protocol?  
a. point to point protocol    b. hdlc    c. ethernet    d. all of the mentioned
- 1.20 This topology requires multipoint connection  
a. Mesh      b. Star      c. Ring      d. Bus
- 

## Section B-Subjective

[40M]

*Note: 1) All questions are compulsory.*

- Q2 a. The received Hamming code is 11001010101 with even parity. Find the Error in the received code.      5 Marks
- b. Generate CRC code for data word 1010001011 using the divisor 11101.      5 Marks
- OR
- a. Encode a binary word 11001 into the even parity hamming code. Given, number of data bits. n = 5.      5 Marks
- b. The received code word is 1100100101011, check if there is error in the code word if the divisor is 10101.      5 Marks
- Q.3 a. What is DHCP? Explain it with application.      5 Marks
- b. Explain BGP in detail.      5 Marks
- Q.4 a. What is DNS? Explain DNS Resolution process.      5 Marks
- b. Explain the term Firewall.      5 Marks
- Q. 5 a. Explain TCP Performance in wireless network      6 Marks
- b. Write a simple socket program to find out IP address of host.      4 Marks

**End-Term Examination 2022-2023**

Subject :Object Oriented Software Engineering

Class: MCA-I (Sem I)

Date: 22 /02/2023

Time: 2<sup>1/2</sup> Hrs

Marks: 50

**Note:** 1) All questions are compulsory.

2) Section A: Each MCQ carry half mark

**Section A -Objective****Q.1) Attempt all the following MCQ questions****[10M]**

1. The \_\_\_\_\_ usually involves building a small version of the intended system prior to building the proposed system.  
 a) Waterfall model   b) Spiral model   c) Prototyping model   d) Incremental model
2. Which of the following is a functional requirement?  
 a) Maintainability   b) Portability   c) Robustness   d) None of the mentioned
3. The activity that distributes estimated effort across the planned project duration by allocating the effort to specific software developing tasks is \_\_\_\_\_  
 a. Project scheduling   b. Detailed schedule   c. Macroscopic schedule   d. None of the mentioned
4. Actual programming of software code is done during the \_\_\_\_\_ step in the SDLC.  
 a. Maintenance and Evaluation   b. Design   c. Analysis   d. Development and Documentation
5. In classical waterfall model the phases starting from the feasibility study to the integration and system testing phase are known as \_\_\_\_\_  
 a. Development phase   b. Maintenance phase   c. Product conception   d. white box testing
6. Which of the following is not defined in a good Software Requirement Specification (SRS) document?  
 a. Functional Requirement. b. Nonfunctional Requirement. c. Goals of implementation. d. Algorithm for software implementation.
7. If every requirement can be checked by a cost-effective process, then the SRS is \_\_\_\_\_.  
 a. Verifiable   b. Traceable   c. Modifiable   d. Complete
8. Which type they considered Activity diagram, use case diagram, collaboration diagram, and sequence diagram?  
 a. Structural   b. Non-structural   c. Non-behavioral   d. Behavioral
9. The use case diagram \_\_\_\_\_  
 a. Specifies who performs which tasks with a system that is going to be developed   b. Specifies the functional decomposition of a system   c. Comprises classes and objects   d. Models the time flow within a system
10. Classes and interfaces are a part of \_\_\_\_\_  
 a. Behavioural things   b. Grouping things   c. Annotation things   d. Structural things
11. The golden rules of User Interface Design, what is the purpose of place the user in control?

- a. A key user was asked about the attributes of the window-oriented graphical interface
- b. A system has to build using integrating its multiple components
- c. A system has to reviewed and examines its functionality
- d. None of the mentioned above

**12.** Amongst which of the following is a correct sequence of the user interface design process

- a. Interface design → interface construction → interface validation → Interface analysis and modeling
- b. Interface analysis and modeling → interface design → interface construction → interface validation
- c. Interface construction → Interface design → interface validation → Interface analysis and modeling
- d. Interface validation → Interface design → Interface construction → Interface analysis and modeling

**13.** Which of the following is not a design principle that allow the user to maintain control?

- a. Provide for flexible interaction
- b. Allow user interaction to be interrupt-able and undo-able
- c. Show technical internals from the casual user
- d. Design for direct interaction with objects that appear on the screen

**14.** Which of the following identifies a specific web page and its computer on the Web?

- a. Web site
- b. Web site address
- c. URL
- d. Domain Name

**15.** Which of these is not a scrum pillar?

- a. Focus
- b. Adaptation
- c. Transparency
- d. Inspection

**16.** What is done during a Sprint Review Meeting?

- a. The team discusses the improvements that can be applied for the upcoming sprints
- b. Present the Project's performance to the Stakeholders
- c. Inspect progress towards the Sprint Goal
- d. Discuss the architectural and technical aspects of the project

**17.** How is plan driven development different from agile development?

- a. Outputs are decided through a process of negotiation during the software development process
- b. Specification, design, implementation and testing are interleaved
- c. Iteration occurs within activities
- d. All of the mentioned

**18.** Why Agile?

- a. No Project Manager
- b. No budget
- c. No collocated teams
- d. No room to fail

**19.** Who should necessarily attend the Daily Standup meeting?

- a. The Development Team
- b. The Scrum Team
- c. The Development Team and the Product Owner
- d. The Scrum Team and the Stakeholders

**20.** An operation can be described as \_\_\_\_\_

- a. Object
- b. Class
- c. Methods
- d. Object and Class Behavior

## Section B-Subjective

*Note: 1) Attempt all the following questions*

[4M]

Q2 Prepare SRS in IEEE format for the following System for an Event Management System. The [8M]

overall functioning is as follows

- 1.Booking of Venue Quotations
- 2.Registration of Vendors
3. Assigning Vendors
- 4.Generating

OR

Prepare SRS in IEEE format for the following System for Zoom Car,a car rental agency has multiple offices /branches. Authenticated customers search for vehicles and can send enquiry. Agency checks the on availability of the car and intimates the status to the customer. Customer book the car by signing the terms and conditions. The customer can also avail the drives facility if required, by paying additional charges. The billing is done based on the type of car and distance travelled. The customer can pay online through debit card /credit card.

Q3 Draw the Class Diagram and Use case Diagram for the ~~above~~ Case. <sup>below</sup>

[20M]

In a University, there are several departments and each department has a head of department who belongs to Faculty. Department have a name, phone extension, specific mailing address and Students that belong to the department. Students can belong to only one Department at a time and Department can have more than one or no Student. Students and faculty have names and unique identification numbers, with address, age , gender and other information. Student studies different Courses offered by University. Faculty teaches these Courses. In each semester one student can take more than one course and Faculty can teach more than one courses. Faculty members can teach in multiple Departments. Each course can be taught by many faculty members or no one Faculty members are also working on multiple research projects. These projects are funded by government and university. One project can have more than one faculty member and one faculty member can work on more than one project.

OR

a) Draw state transition diagram for vending machine placed at supermarket.

[10M]

b) Draw Activity diagram for ordering grocery using mobile App.

[10M]

Q4. Attempt any two

[8M]

a) What is Web Engineering? Why is it required?

b) Explain Extreme Programming.

c) What is Requirement Engineering? Explain the four phases of Requirement Engineering.

d) Explain Waterfall Model in detail.

Q5 Design a user Interface for feedback of one day CET orientation program conducted by a Universal Institute.

[4M]

OR

Design UI for External examination Form for SPPU

**End-Term Examination 2022-2023**

Subject : Soft Skills

Class: MCA-I (Sem I)

Date: 24 /02/2023

Time: 60 Min

Marks: 25

**Note:** 1) All questions are compulsory.

- 2) Section A: Each MCQ carry half mark
- 3) Neat handwriting is expected
- 4) MCQs that are scratched out will receive zero marks

**Section A -Objective****Q.1) Attempt all the following MCQ questions****[05M]**

- 1.1 What is the purpose of a group discussion?
  - a) To showcase individual knowledge
  - b) To compete with others in the group
  - c) To arrive at a mutually agreed solution
  - d) To assert one's authority
- 1.2 Which of the following is an adjective?
  - a) Drive
  - b) Joyful
  - c) Thinking
  - d) Happily
- 1.3 What is a good way to engage the audience during a presentation?
  - a) Reading the slides verbatim
  - b) Speaking in a monotone voice
  - c) Asking questions or encouraging participation
  - d) Using complex technical jargon
- 1.4 Which of the following is a good way to end a self-introduction?
  - a) Rambling on about personal interests
  - b) Asking for a job or favor from the audience
  - c) Thanking the audience for their attention
  - d) Criticizing oneself or one's background
- 1.5 Which of the following is a verb?
  - a) Happiness
  - b) Playful
  - c) Dancing
  - d) Quickly
- 1.6 Which of the following is a verb that can also be used as a noun?
  - a) Fly
  - b) Run
  - c) Eat
  - d) Laugh
- 1.7 Which of the following words can function as both a noun and a verb?
  - a) Water
  - b) Watch
  - c) Box
  - d) Table

- 1.8 Which of the following is a common approach to starting a group discussion?
- a) Jumping right into the topic without any introduction
  - b) Giving a brief overview of the topic and then asking for opinions
  - c) Allowing only one person to speak at a time
  - d) Dismissing any dissenting opinions
- 1.9 What is the most important factor in a successful group discussion?
- a) Dominating the conversation and ensuring that one's own views are heard
  - b) Agreeing with the views of the majority to avoid conflict
  - c) Encouraging active participation and considering all viewpoints
  - d) Talking at length to show off one's knowledge and expertise
- 1.10 What is a good way to make a self-introduction memorable?
- a) Using complex vocabulary and technical jargon
  - b) Focusing only on personal accomplishments
  - c) Adding humor or personal anecdotes
  - d) Keeping the introduction as brief as possible
- 

### Section B-Subjective

[20M]

*Note: 1) Solve any two*

*2) Each question is for 10 Marks, write accordingly*

- Q2 a. What are some basic tips for participating in a group discussion?
- b. Define Non Verbal Communication. What are some examples of nonverbal communication, and how can they affect interpersonal communication?
- c. Imagine you are attending a networking event and you have to introduce yourself to a group of professionals. Write a self-introduction that effectively showcases your skills, experience, and interests in a way that makes a strong first impression. Your self-introduction should be structured, engaging, and tailored to the audience and the purpose of the event.

**End-Term Examination 2022-2023**

Subject : Open Course -2(WordPress)

Class: MCA-I (Sem I)

Date: 23/02/2023

Time: 1 Hrs

Marks: 25

**Note:** 1) All questions are compulsory.

2) Section A: Each MCQ carry half mark

**Section A -Objective****Q.1) Attempt all the following MCQ questions****[05M]**

1.1 Which of these is displayed using the WordPress news widget?

- a. Software version
- b. Software updates
- c. Alerts
- d. All of these

1.2 Which of these are general settings of WordPress?

- a. Site title
- b. Data Format
- c. Time Format
- d. All of the above

1.3 Can writing settings be changed in WordPress?

- a. Yes
- b. No

1.4 What is the default post Category for WordPress?

- a. The first category added on WordPress
- b. Uncategorized
- c. No category
- d. None of these

1.5 What content of post can be displayed in the feed?

- a. Full post
- b. Summary of post
- c. Optional both A and B
- d. None of these

1.6 What task does search engine visibility performs in WordPress?

- a. Removes site visibility on google
- b. Discourage search engines from indexing the site
- c. Both
- d. None of these

1.7 Can plugin files be edited in WordPress?

- a. Yes
- b. No

1.8 Plugins in WordPress are used to \_\_\_\_.

- a. Easily modify, customize or enhance WordPress sites
- b. Change UI of the dashboard
- c. Add a new address to the website
- d. All of these

1.9 How many tables are there by default in WordPress

- a. 10
- b. 11
- c. 12
- d. 1

1.10 Is it required to activate the plugin after installing it?

- a. Yes
- b. No

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### Section B-Subjective

[20M]

*Note: 1) Solve all Questions*

Q2 How to create custom post in Wordpress

[05]

OR

How to create plugins in Wordpress

[05]

Q3 a. What are essential features of WordPress

[05]

b. Explain categories in WordPress

[05]

Q4 What is WordPress .What is WordPress theme.

[05]

OR

Explain the components shown on the Home Screen of Wordpress

[05]