

5	In which of the following communications, do we get an instant feedback? a. Visual communication b. Written communication c, Oral communication d, Non-verbal communication	1
6	Personal hygiene is essential because it helps in our daily lives to a. Stay healthy b. Avoid feeling ashamed due to had breath/body odour c. Create a good image of ourselves. d. All of these	1

Q-2	Answer any 5 out of the given 6 questions (1x5=5 marks)	
1	canvas of 41s canvas helps us to analyze and recognize the nature of problem. a. What b. Where c. what d. Who	1
2	The game 'Quick Draw' is based on which AI domain? a. Data for AI b. NLP c. CV d. None of these	1
3	helps to represent graphical data that uses symbols to convey a story and help people understand large volumes of information. a.Data set b. Data Visualization c. Data Exploration d. None of these	1
4.	The process of breaking down the big problem into a series of simple steps is known as — a. Modularity ID. Efficiency c. Both (a) and (b) d. None of them	1
5	In fraud and risk detection, AI can be a great help. It mainly works on the following AI domain a. NLP b. Computer Vision c. Data Science d. Machine learning	1
6.	AI project cycle helps us to a. create better AI projects easily b. create AI projects faster c. understand the process d. all of the above	1

Q-3	Answer any 5 out of the given 6 questions (1x5=5 marks)	
1	Data about the houses such as square footage, number of rooms, features, whether a house has a garden or not, and the prices of these houses, i.e., the corresponding labels are fed into an AI machine. By leveraging data coming from thousands of houses, their features and prices, we can now train the model to predict a new house's price. This is an example of A. Reinforcement learning B. Supervised learning B. Unsupervised learning D. None of the above	1

2	The _____ are people who face the problem and would benefit from the solution. a. Stakeholders b. Key persons c. Developer d. End user	1
3	_____ enables machine to improve at tasks with experience. a. Deep learning b. Machine learning c. AI d. None of these	1
	In the following question 4 and 5 , a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as: (a) Both A and R are true and R is the correct explanation of A. (b) Both A and R are true but R is not the correct explanation of A. (c) A is true but R is false. (d) A is false but R is true (e) Both A and R are false.	
4	Assertion (A): A self-driving car is made up of a combination of sensors, cameras, radar and AI. Reason (R): The owner is liable if a self-driving car is involved in an accident	1
5	Assertion (A): A pie chart is divided into segments to represent values of Different sizes. Reason (R): Pie Chart is very effective when we have so many data series	1
6	What does probability mean? a) The total number of possible outcomes in an event b) The ratio of favourable outcomes to all outcomes c) The chance of an event happening d) How certain an event will occur	1

Q-4	Answer any 5 out of the given 6 questions (1x5=5 marks)	
1	The method of collecting correct and dependable data to work with is known as ____ a. Problem Scoping b. Data Acquisition c. Data Exploration d. Modeling	1
2	What are the different types of data _____ a. Structured Data b. Unstructured Data c. Both a) and b) d. None of the above	1
3	_____ is not a stage of AI Project cycle a. Problem Scoping & Data Acquisition b. Data Exploration & Modeling c. Evaluation	1

	d. Debugging	
4	How you can identify the problem scoping in the project? a. Understand why the project was started b. Define the project's primary objectives c. Outline the project's work statement d. All of the above	1
5	What are the various types of learning algorithms? a. Supervised learning b. Unsupervised Learning c. Reinforcement Learning d. All of the above	1
6	What is 'M' in the 'SMART' goal setting method a. A) Must B) Meaning C) Measurable D) None of these	1

Q-5	Answer any 5 out of the given 6 questions (1x5=5 marks)	
1	A set of instructions given to a computer to carry out a specific task is called a(n) _____. a) Job b) Work c) Program d) Programming	1
2	From which function we can take input in scripting mode in python program. a) input() b) int() c) input d) output()	1
3	Which of the following is the valid Python file extension? a) . python b) . pl c) . py d) . p	1
4	_____ are a sequence of values of any type, and are indexed by integers. They are immutable and enclosed in (). a) String b) Lists c) Tuples d) All of the above	1
5	How many goals are in SDG set by UNO? a.15 b.16 c.17. d.18	1
6	The control charts and procedures of descriptive statistics which are used to enhance a procedure can be classified into which of these categories? (A) Behavioural tools (B) Serial tools (C) Industry statistics (D) Statistical tools	1

SECTION B- SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of 5 questions on EMPLOYABILITY SKILL (2x3=6 marks) Answer each question in 20-30 words.		
6	What are verbal communications? Give one example for oral communications.	2
7	Write the four steps for effective Time management?	2
8	What is the difference between a businessman and an entrepreneur?	2
9	Explain the concept of cloud computing and its advantages?	2
10	Explain 'Affordable and Clean Energy'?	2
Answer any 4 out of 6 questions on SUBJECT SPECIFIC SKILL (2x4=8 marks) Answer each question in 20-30 words.		
11	Write down any two Applications of Statistics?	2
12	What do you mean by Data Science and Computer Vision. Give suitable examples for each?	2
13	What is Data Literacy?	2
14	A bag contains 5 red balls, 3 blue balls, and 2 green balls. A ball is drawn at random. Calculate the probability of drawing a blue ball.	2
15	What are the negative Impacts of generative AI on Society?	2
16	Write any two features of python language?	2
Answer any 3 out of 5 questions in 50-80 words each (4*3=12 marks)		
17	Explain role of AI in modern education and their impact on society?	4
18	Define AI, ML and DL. Also state the relation among them?	4
19	Considering the ethical challenges associated with generative AI, what are your thoughts on establishing guidelines or regulations to ensure responsible use of these technologies? How can we balance the potential benefits and risks?	4
20	Ravi is a microbiologist studying the growth of a species of fungi. He observes that as the humidity level increases, the fungal growth increases steadily up to a certain point, after which it starts to decrease. Based on this information, answer the following questions: a) Which AI model would best represent this situation? Justify your answer. b) Plot a graph to show the trend of this data.	4
21	Write a Program in python to enter a number and print its table? If n=3 Table is: 3X1=3 3X2=6	4

	 3X10=30	
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