SECTION A: OBJECTIVE TYPE QUESTIONS

Q1. Employability Skills i. (d) Tracking ii. (a) Read Only Memory

Q2. i. (b) Augmented reality and machine learning ii. (c) Computer Vision

Q3. i. True ii. (a) 17

Q4. i. (b) Target Advertisements ii. (b) Data Privacy

Q5. i. (b) Both Statement1 and Statement2 are incorrect ii. (a) Both A and R are correct and R is the correct explanation of A

SECTION B: SUBJECTIVE TYPE QUESTIONS

Q6. What do you mean by Self Management?

 Self-management means managing one's emotions, time, work, and responsibilities effectively. It involves being disciplined, organized, responsible, and able to take decisions independently.

Q7. Write four qualities of people who work independently. –

They are self-motivated - They are responsible and disciplined - They have good time-management skills - They are confident in making decisions

Q8. (Incorrect Statement)

(a) Data gathered with respect to stadium, bowlers, opponent team and health is known as Testing Data. (Incorrect because this is training data, not testing data.)

Q9. Why do apps collect such data?

Apps collect data to provide personalized services, improve user experience, show relevant recommendations/ads, enhance app performance, and enable certain features like location-based services or login authentication.

Q10. How mathematics and AI are related? Give 2 examples where statistics is used. Mathematics is the base of Artificial Intelligence. AI models use mathematical concepts such as algebra, calculus, and statistics to analyze data and make predictions. Examples: 1. Predicting weather using probability distributions 2. Finding average performance of students using mean and median

Q11. Give at least 4 real-life examples of Generative AI.

Chatbots like ChatGPT generating text and answers - Image generation tools (Midjourney, DALL·E) creating pictures - Video creation AI tools that generate short videos - Music generation where AI composes melodies - AI tools that create stories, essays or summaries