S. No.	Question	Choice 1	Choice 2	Choice 3	Choice 4	Correct Choice
1	If a drone captures high-resolution images What resource management will you use to optimize it?	Real-time image transmission	Low resolution image capturing	Max speed for capturing	Keeping the sensor active all time	Option 2
2	While you are working on a drone project you receive a link for sharing your project updates from an unknown address. What will you do?	Forward it to colleagues	Forward it to senior	Delete the mail	Inform IT department	Option 4
3	Identify the correct posture while working					Option 3
4	_____ is the benefit of sharing the information with colleagues	Healthy competition	Reduction in project growth	Effort duplication	Increment in diverse perspective	Option 4
5	If your colleague wants a change in your design. What should be your action?	Discuss the changes	Politely decline the request	Ignore the request	Implement the changes	Option 1
6	Following the organization's policy can _____	sometimes lead to conflict	limits growth opportunity	fosters a sense of trust	sometimes increases workload	Option 3
7	To whom will you share the progress report of your project?	With the stakeholders	With the colleagues	With the client	With the manager	Option 4
8	While working on a new project you are facing difficulties in designing. When is the appropriate time to seek anomaly resolution in data?	On weekends only	Whenever convenient	Immediately upon discovery	During scheduled meetings	Option 3
9	A drone developer should carry out _____ analysis of the data	rule-based	intuitive	random	visual	Option 1
10	Which of the following statement is correct about compatibility check?	They are optional	It ensures the functions as a standalone unit	It prevents errors	It hinder the innovation	Option 3
11	What is the recommended action when encountering a command error?	Proceed without changes	Start from scratch	Analyse and rectify it	Report the error to colleagues	Option 3
12	The drone system needs to handle various environmental conditions. How will you ensure correctness?	Increasing the complexity of the code	By running multiple testcases	Showcasing your coding skills	By neglecting scenarios	Option 2
13	Why is the Dronekit library useful when creating Python scripts?	It enhances the battery life of the drone	It enables real-time video streaming	It provides a set of tools for control	It automatically generates flight plans	Option 3
14	Identify the algorithm shown	Kalman filter	A* search algorithm	Genetic algorithm	PID algorithm	Option 4
15	Match the following drone metrics with their descriptions: **Metrics:** A)Acceleration B)Flight Time C)Path **Descriptions:** 1)A representation of the route taken by the drone 2)The change in velocity per unit of time 3)The total time a drone can remain in the air on a single battery charge.	A-2 B-3 C-1	A-2 B-1 C-3	A-1 B-3 C-2	A-3 B-2 C-1	Option 1
16	Drones are used to capture_____	images	videos	sensor data	All of the given	Option 4