

# CBCS SCHEME

BAE/BAS306A



Third Semester B.E./B.Tech. Degree Examination, June/July 2024  
**Introduction to Drone Technology**

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. M : Marks, L: Bloom's level, C: Course outcomes.

Module – 1			M	L	C
Q.1	a.	Explain the different types of Flight modes of UAV's.	10	L2	CO1
	b.	Outline the overview of UAVs.	10	L1	CO1
OR					
Q.2	a.	With the help of flow chat, explain the types of Unmanned Vehicles (UVs)	10	L2	CO1
	b.	List the applications of UAVs.	10	L1	CO1
Module – 2					
Q.3	a.	With schematic diagram, illustrate the basic components of UAVs.	10	L1	CO2
	b.	Discuss about Flight Controllers (FC) of UAVs.	10	L2	CO2
OR					
Q.4	a.	Illustrate the procedure of pre and post flight check in UAVs.	10	L2	CO2
	b.	Explain the application of Telemetry in UAVs.	10	L2	CO2
Module – 3					
Q.5	a.	Summarize the DGCA's Rules for UAVs.	10	L2	CO3
	b.	Outline NPNT compliance.	10	L1	CO3
OR					
Q.6	a.	Discuss in detail about Drone Pilot certificate and its requirement.	10	L2	CO3
	b.	List the different Drone Categories and Fly zones as per Drone Rules.	10	L1	CO3
Module – 4					
Q.7	a.	With a neat Schematic diagrams, classify UAV configurations.	10	L1	CO4
	b.	Illustrate Design considerations for UAVs.	10	L2	CO4
OR					
Q.8	a.	Classify the Batteries used in UAV applications.	10	L1	CO5
	b.	Demonstrate the application of Fuel cells in UAVs	10	L2	CO5
Module – 5					
Q.9	a.	Break down the manufacturing constraints involved in the UAVs.	10	L2	CO5
	b.	Discuss QA/QC procedures of UAVs.	10	L2	CO5
OR					
Q.10	a.	Classify the Flight Testing involved in the UAVs.	10	L1	CO5
	b.	Explain the importance of simulator Training.	10	L2	CO5

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