

**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)**

B. Tech (Second Semester - Regular) Examinations, May 2026

25FYPC12001 – Aviation Legislation - II

(Aeronautical Engineering)



Time: 3 hrs

Maximum: 60 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer ALL questions

	CO #	Blooms Level
a. What is CAR M? Explain briefly.	CO1	K1
b. What is the objective of proving flights during AOC certification	CO2	K1
c. Write a brief note on the applicability and completion period of Phase 2 training.	CO3	K1
d. Write a short note on operator responsibilities under RVSM requirements.	CO5	K1
e. What is the role of CAMO in aircraft continuing airworthiness management?	CO6	K1

PART – B

(10 x 5 = 50 Marks)

Answer ALL the questions

	Marks	CO #	Blooms Level
2. a. Explain the responsibilities of CAMO in ensuring the continuing airworthiness of an aircraft.	5	CO1	K2
b. Discuss the approval and amendment procedures of the Aircraft Maintenance Programme (AMP) under CAR-M.	5	CO1	K2
(OR)			
c. Describe the procedure for issue of a Type Certificate under CAR 21. What conditions must an applicant satisfy?	5	CO2	K2
d. Explain the concept of Production Organisation Approval (POA) and its importance under CAR 21.	5	CO2	K2
3.a. Explain the purpose and scope of CAR 21 in civil aviation.	5	CO2	K2
b. Discuss the responsibilities and functions of a Design Organisation Approval (DOA) holder under CAR 21.	5	CO2	K2
(OR)			
c. Explain the concept and significance of Maintenance Check Flights.	5	CO3	K2
d. Explain the role and importance of Reliability Programmes in continuing airworthiness management.	5	CO3	K2
4.a. Explain the purpose and importance of Minimum Equipment List (MEL) in aircraft operations.	5	CO4	K2
b. Explain the approval procedure of MEL under CAR Section 2 Series B Part I.	5	CO4	K2
(OR)			
c. Explain the concept of Extended Diversion Time Operations (EDTO) and discuss the requirements for EDTO operational approval.	5	CO5	K3
d. Explain the aircraft system requirements necessary for RVSM operations.	5	CO5	K3

5.a.	Discuss the continued airworthiness and maintenance procedures required for RVSM aircraft.	5	CO5	K3
b.	Explain EDTO significant systems and describe the operational considerations associated with them.	5	CO5	K3
(OR)				
c.	Explain the responsibilities of operators and maintenance personnel regarding the use of MEL.	5	CO6	K2
d.	Discuss the defect rectification categories under MEL and explain their significance.	5	CO6	K2
6.a.	Explain the RVSM performance standards related to Altimetry System Error (ASE) and Height Keeping Performance.	5	CO5	K3
b.	Discuss the EDTO maintenance programme and responsibilities of maintenance personnel	5	CO6	K3
(OR)				
c.	Discuss the stages followed during the AOC certification process.	5	CO5	K2
d.	Explain the Phase 1 and Phase 2 Fuel Tank Safety (FTS) training requirements under CAR-145.	5	CO6	K3

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