Reg. No | | | | | | | | | | |

AY 23

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

B. Tech (First Semester - Regular) Examinations, January 2026

25FYVA11001 – Basic of Aircraft Maintenance Practices

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.	Give some safety precautions while working around Compressed Gases?	CO2	K1
b.	How is Fire classified?	CO2	K1
c.	What is Calibration & why is it required?	CO5	K4
d.	Name some types of cutting tools?	CO6	K2
e.	What is a Steel Rule & & what are it's measuring units?	CO5	K2

PART – B **(10 x 5 = 50 Marks)**

Answer ***ALL*** the questions

		Marks	CO #	Blooms Level
2. a.	What are the various information included in a MSDS Document?	5	CO1	K1
b.	What are the safety precaution to be taken while working around electricity & compressed gases?	5	CO1	K1
	OR			
c.	What are the safety precautions to be taken around hangar?	5	CO1	K1
d.	What is a Risk Diamond & what can we get from a risk diamond?	5	CO1	K1
3.a.	What are the elements of fire? What is their importance?	5	CO2	K3
b.	What are different classifications of fire extinguishers?	5	CO2	K3
	OR			
c.	Write about various fire extinguishing agents. (at least five)	5	CO2	K3
d.	What is a fire extinguisher? What do you inspect in a fire extinguisher & when?	5	CO1	K4
4.a.	Write about Dimensions, Allowances & Tolerances.	5	CO4	K2
b.	What is Tool Calibration. Which types of tools need calibration and when?	5	CO5	K2
	OR			
c.	What is Tool Calibration. Which types of tools need calibration and when?	5	CO5	K2
d.	What do you mean by cutting coolant fluid, it's importance and when needed.	5	CO3	K5
5.a.	What is a circular cutting saw, kett saw & Die Grinder?	5	CO6	K1
b.	What is hacksaw? Write about its stroke technique, hook angle and rake aNgle.	5	CO6	K1
	OR			
c.	What is Tapping? What Are different types of taps?	5	CO6	K1
d.	What do you mean by an end mill & reamer and what is the difference between drill bit, reamer & end mill?	5	CO6	K1
6.a.	What do you mean by precision measuring instrument? Name 5 types of measuring instruments and explain vernier calliper.	5	CO6	K4

b.	What is a micrometer? Name the parts of a micrometer.	5	CO6	K4
	OR			
c.	What is a Combination Set? Which units can be measured using a Combination Set?	5	CO6	K4
d.	What do you mean by a calliper? What are the different types of callipers?	5	CO6	K4

--- End of Paper ---