Seat No:	Enrollment No:

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

B.Tech. Summer 2018 - 19 Examination

Semester: 8 Date: 29/04/2019

Subject Code: 03101451 Time: 10:30am To 01:00pm

Subject Name: Aircraft Maintenance Total Marks: 60

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- 1. All questions are compulsory.
- 3.
- 4.

	igures to the right indicate full marks.				
	Take suitable assumptions wherever necessary. tart new question on new page.				
	Objective Type Questions (All are compulsor 1. CAR stands for	ry) (One mark each)	(15)		
	2. CAR Section 2 Airworthiness is issued unc	– der the Rule of Aircraft rules 1937			
		live stream after cleaning with hot water and detergent			
	4. In gas welding, welding flux is removed in	nmediately to prevent			
	distribution of the compliance certificate for	ndard for modification/repair and form and manner of or the same and preservation thereof.			
	6. State aircraft rule 50A.				
	7. Define decision tree.8. Name the type of steel tubing used most extensively for aircraft structures, engine mounts, and				
	similar parts.	Rensivery for aircraft structures, engine mounts, and			
	9. State the range of thickness for sheet meta	l in aircraft fabric covering.			
	10. What is damage tolerance?	<i>g.</i>			
	11. Engine pressure ratio is determined by:				
	a) Multiplying engine inlet total pressure				
		b) Dividing turbine outlet total pressure by engine inlet total pressure			
	c) Dividing engine inlet total pressure by				
	d) Multiplying engine outlet total pressur12. Matching value of temperature for the high				
	a) 400 F b) 300 F c) 600 F	d) 700 F			
	13. Fuel spill safety:	<i>a)</i> 700 I			
	a) Source of fuel spill shutoff	c) Ignition should be removed			
	b) Ground power unit turned off	d) All of the above			
	14. Carcinogens are:				
	a) Combustible liquids	b) Flammable aerosols			
	b) Explosives	d) None of the above			
	15. Acute hazard among the following:	1) C			
	a) Irritantsc) Oxidizers	b) Gases d) Explosives			
0.2	Answer the following questions. (Attempt any		(15)		
Q. <u>-</u>	A) What are the objectives and targets of Airworthiness Directorate of Civil Aviation Department?				
	B) Analyze the safety factors of compressed g				
	C) Write down about the preparation procedu				
	D) Explain about preventive maintenance?				
Q.3	A) Describe about rosette welding.		(07) (08)		
	B) Describe about the aircraft hazardous materials.				
	D) Cummanize shout different phases of flight	OR increasion	(00)		
0.4	B) Summarize about different phases of flight A) Summarize about the inspection of fire exti		(08) (07)		
V.	11) Sammarize about the hispection of the extr	OR	(07)		
	A) Explain about inspection of airplanes havin	A) Explain about inspection of airplanes having wood structures.			
	B) Describe about remote visual testing.	~	(07) (08)		