1	b.	Incidents and Accidents attributable to human factors. Justify the statement with an example.	10	2	3	1
29.	a.	Discuss in detail about the various components of a checklist.	10	2	4	1
1	b.	(OR) Write about progressive inspection and continuous inspection carried out in an aircraft.	10	2	4	1
30.	a.	Discuss the role of screwdrivers and pliers in aviation industry with a suitable sketch.	10	2	5	1
1	b.	(OR) List the various NDT methods? Discuss in detail about any two methods with necessary sketches.	10	2	5	1

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Reg. No.			

B.Tech. DEGREE EXAMINATION, MAY 2022 Sixth Semester

18ASO104T - AIRCRAFT GENERAL ENGINEERING AND MAINTENANCE PRACTICES
(For the candidates admitted from the academic year 2018-2019 to 2019-2020)
ato.

101	(For the candidate	es admitted from the academic year 2018-20.	19 to 2019-2020)}		
Note:	(10) the cumulation	es dumined from the deductine year 2010 20.	17 10 2017 2020			
(i)	Part - A should be answ over to hall invigilator at	vered in OMR sheet within first 40 minutes the end of 40 th minute.	and OMR shee	t should	be ha	ınded
(ii)	Part - B should be answ	ered in answer booklet.				
Time: 2	2½ Hours			Max. N	Aarks	s: 75
	PAR	$\Gamma - A (25 \times 1 = 25 \text{ Marks})$		Marks l	BL CO	0 РО
	A	nswer ALL Questions				
1	pounds	1	1 1	1		
	(A) 500	(B) 1000				
	(C) 2000	(D) 3000				

1.	Tie down ropes should be capable of resisting a pull of pounds				1	1	
	(approx.) for light aircraft tie down.						
	(A) 500	(B)	1000				
	(C) 2000	(D)	3000				
2.	knot is generally used in	aircra	aft parking.	1	1	1	
	(A) Overhand		Bowline				
	(C) Timber hitch	(D)	Reef				
3.	Fumigation means .			1	1	1	
	(A) Cleaning	(B)	Polishing				
	(C) Sterilizing	(D)	Rubbing				
			· ·				
4.	Aircraft equipped with tricycle land			1	1	1	
	by attaching a to the axle						
	(A) Bucking Bar	` '	Tow Bar				
	(C) Twisted Steel Bar	(D)	Mild Steel Bar				
5.	The pitot probes are normally kept f	ree of	ice by the use of	1	1	1	
	(A) Thermal Heat		Electric Heaters				
	(C) Pneumatic Method	(D)	Chemical Spray				
		VI.	10				
6	is the most common fire	that	occurs in ordinary combustible			_	

4.			1	1 1	1
5.	The pitot probes are normally kept free	of ice by the use of	1	1 1	1
	(A) Thermal Heat	B) Electric Heaters			
	(C) Pneumatic Method (D) Chemical Spray	×		
6.			1	1 2	1
7.		and gaskets. B) H - rings D) O- rings	1	1 2	1
8.	supply, which provide the power to run	nes, using the aircraft's own fuel the attached generators. B) APU D) LRU	^B 1	1 2	1
Page 1 of 4		,	27MF618A	ASO1047	Γ
-					

9.	Particles will dissolve rapid	lly when dropped into a 5 percent	1 1 2	20.			ear and cuts.		1	1	4	1
	solution of enforme acid.				(A) Brakes		(B) Wheels					
	(40)	Cadmium			(C) Tires		(D) Hydraul	ic Lines				
	(C) Nickel (D)	Tin										
1.0				21.	A	is a hammer-like too.	l with a head m	ade of hickory, rawhide	-			
10.	In an air cycle system, separate	for cooling system is not	1 1 2	1	or rubber.			PI CONTRACTOR OF THE PI	1	1	5	1
	required. This reduces the		1 1 2	1	(A) Screwdriv	ver	(B) Mallet					
	(A) turbine, weight (B)				(C) Punch		(D) Wrench					
	(C) turbine, weight per kW (D)	compressor, weight per kW					i s					
		cooling.		22.	The edge forme	ed where the face of t	the weld meets	the base metal is called				
11.	Yellow colour in a risk diamond represent	ts .	1 1 3	1	as	ed where the face of	the weld meets	the base metal is called	1	1	5	1
	(A) Flammability (B)	Reactivity			(A) Root		(D) Dood					
	(C) Health Hazard (D)	-					(B) Bead					
	(2)	Special nazara			(C) Toe		(D) Leg					
12	The most observable portion of the MSDS	S label is the diamond.	1 1 3	1 22	T1 . C							
14.	(A) Fear (B)		1 1 3	23.	The first step in	n troubleshooting int	ermittent discr	epancies is to gather as	1	1	5	1
					much informati	on as possible regard	ing the	<u> </u>	-			1
	(C) RISK (D)	Red			(A) Malfunction	on	(B) Compon	ent discrepancy				
12	T 1 1 1 C 1 1 C				(C) Duration of	of discrepancy	(D) Operation	nal weaknesses				
13.	In electrical safety, lack of respect is often		1 1 3	1								
	(A) Commitment (B)	The state of the s		24.	р	romotes wetting.			1	1	5	1
	(C) Motivation (D)	Interest			(A) Filler Rod		(B) Heat					
	*	100			(C) Flux		(D) Clean m	eta1				
14.	What is called long sight medical name?	المحمول المراجع الألام	1 1 3	1			(=) 010000 111					
	(A) Hypermetropia (B)	IIypermyopia		25.	In Liquid Pene	etrant Testing,	drawe th	ne penetrant out of the				
	(C) Presbyopia (D)	Myopia			crack.	ottunt rosting,	uraws u	ic penetrant out of the	1	1	5	1
							(D) Emulaif	-				
15.	Which one of the following helps to prote	ect the ear from sounds above 80					(B) Emulsifi					
	decibels?	1	1 3	1	(C) Water Spr	ay	(D) Black Li	gnt				
	(A) Outer Ear (B)	Middle Far										
		Basilar membrane										
	(D)	Dasilal illeliloralle				$PART - B (5 \times 10 =$			Marks	BL	CO	PO
16	The is the record in which a	.11 data				Answer ALL Q	uestions					
10.	The is the record in which a recorded.	in data concerning the aircraft is	1 4	1								
		C1 11:		26. a.	Explain how a t	owing procedure is p	erformed in an	airplane.	10	2	1	1
		Checklist										
	(C) Publications (D)	Maintenance Manual				(OR)						
				b.	State the purpo	ose of aircraft cleaning	ng? Describe t	he cleaning process in	10	2	1	1
17.	should be checked for proper	tension, fraying, wear and proper	1 4		detail.			B Process m				
	routing through fairleads and pulleys.	THE STATE OF THE S	1 4	1								
	(A) Control Mechanism (B)	Movable Surfaces		27. a.	Explain the v	arious fire extinous	ishing agents	used in the aircraft	10	2	2	1
	(C) Control Cables (D)				maintenance pra	actices into eximigu	isning agents	used in the ancian	VIII.	-		•
					mamitemanee pre	actices.						
18.	Thiscontains the manufactu	rer's information and specific				(OD)						
	instructions for repairing primary and seco	ondary structures	1 4	1 h	What is the man	(OR)			1.0	0		
		Maintenance Manual		D.	what is the need	d for metal particle id	entification in a	an oil system? Describe	10	2	2	1
	(C) Structural Repair Manual (D)				the various test	procedures followed	to identify the n	netal particles.				
	(1)											
19	Always use a when performing an	inspection	1 4	1 20	1771							
1).		Checklist	1 4	20. a.	What is shop s	satety? Explain Safe	ty around Haz	cardous Materials with	10	2	3	1
					appropriate drav	wings.						
	(i) I dolleadolls (ii)	Maintenance Manual										
						(OR)						

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