				G -			
b.	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		
ъ.	(OR) What is troubleshooting process? Explain troubleshooting with chart and troubleshooting without chart with suitable block diagrams.	10	∵ 2.	5	1-	- ·	
	* * * *						
						-	
	.91						
	-						
- 5 11			-	-			*
	*						
			8 1-80 7-80-0-80				-
v'							

Reg. No.	
----------	--

B.Tech. DEGREE EXAMINATION, NOVEMBER 2022

Sixth/ Seventh Semester

18ASO104T	- AIRCRAFT GENERAL	ENGINEERING ANI	MAINTENANCE PRA	CTICES
		e i e comparativa e ganta transmitta de la comparativa del comparativa del comparativa de la comparati	and the second of the second o	

18AS	O104T – AIRCRAFT GENERAL EN		EERING AND MAINTENANCE cademic year 2018-2019 to 2019-2020		CTIC	CES	
Note:	(1 or me canadates damates).			,			
(i)	Part - A should be answered in OMR so over to hall invigilator at the end of 40 th in			t shou	ld be	han	ded
(ii)	Part - B should be answered in answer b						
Γime: 2 ¹	⁄2 Hours			Max	. Ma	rks:	75
	PART – A (25 × 1 =	= 25 N	Marks)	Marks	BL	со	РО
	Answer ALL Q	uestic	ons				
1.	A should be assigned when the aircraft is to be backed into positi		p turns are to be made, or when	1	1	1	1
	(A) Wing walker		Tail walker				
	(C) Working personnel	• /	Towing vehicle driver				
2.	During longitudinal leveling the spiri	iting l	evel is placed	1	1	1	1
	(A) Along the wing	(B)	On front door when opened				
1 9	(C) On front door when closed	(D)	Inner front seat rail			•	-
3.	is one reason why specialty of	eleane	ers have been developed.	1	1	1	1
	(A) Paint		Oil				
	(C) Thinner	(D)	Fuel				
4.	Picketing is the term used in air force			1	1	1	1
	(A) Mooring	` ′	Leveling				
	(C) Jacking	(D)	Hoisting				
-5.	Which one of the following is not a aircraft?	ssocia	ated with exterior cleaning of the	1	9 1	1	1
	(A) Washing	(B)	Soap application				
	(C) Polishing	(D)	Dry cleaning				
6.	is the most common fire			1	1	2	_1
	materials such as wood, cloth, paper						
			Class "B" fire				
	(C) Class "C" fire	` ,	Class "D" fire				
7.	Freon when heated over an open f deadly.	lame,	it converts to which is	1	1	2	1
	(A) Sulphuric acid	(B)	Hydrochloric acid				
	(C) Phosgene	(D)	Nitric acid				
8.	The are gas-turbine engine			1	1	2	1
	which provide the power to run the a		•				
	(A) GPU	` '	APU				
	(C) CPU	(D)	LRU				

23NF6/7/18ASO104T Page 4 of 4

Page 1 of 4

23NF6/7/18ASO104T

,		ped into concentrated hydrochloric acid,	1	1	2		20.		should be checked for w	ear and	cuts.	1	1	4	1
	the acid will develop a							(A)	Brakes	(B)	Wheels				
	(A) Yellow cloud	(B) Greenish cloud						(C)	Tires	(D)	Hydraulic lines				
	(C) Blue cloud	(D) Red cloud													
1.0							21.	Α	is a hammer-like tool	with a l	nead made of hickory, rawhide or	1	1	5	1
10		for cooling system is not required.	1	1	2 1			rubb	er.						
	This reduces the							(A)	Screwdriver	(B)	Mallet				
	(A) Turbine, weight	(B) Compressor, weight						(C)	Punch	(D)	Wrench				
		W (D) Compressor, weight per kW													
	cooling	cooling					22.	The :	zone at the bottom, or base, o	f the we	ld is called as .	1	1	5	1
									Root		Leg				
11	. Hearing deteriorates naturally as on		Ī	1	3 1			(C)	Toe	(D)	Bead				
	(A) Cochlea	(B) Tinnitus								. ,					
	(C) Vascularis	(D) Presbycusis					23.	Whe	n experience does not sugge	st the po	oint at which the troubleshooting	1	1	5	1
									ld begin, the technician shoul						
12	. The most observable portion of the	MSDS label is the diamond.	1	1	3 1				OSHA communications		Troubleshooting with chart				
	(A) Fear	(B) Hazard			36				Intermittent discrepancies		Divide and conquer				
	(C) Risk	(D) Red						. ,	× .						
							24.		_ promotes wetting.			1	i	5	1
13	means that the material is v	ery hazardous.	1	1	3 1				Filler rod	(B)	Heat				
	(A) 1	(B) 2						` '	Flux	` ,	Clean metal				
	(C) 3	(D) 4						` '		(-)					
							25.	In liq	quid penetrant testing.	draws t	he penetrant out of the crack.	1	1	5	1
14	What is the medical name for long s	sight?	1	1	3 1	ma .			Developer						
	(A) Hypermetropia	(B) Hypermyopia							Water supply		Black light				-
	(C) Presbyopia	(D) Myopia						` '	11.0				•		
									$PART - B (5 \times 1)$	0 = 50 N	Marks)	Marks	BL	co	PO
15	The is a clear window at the	e very front of the eye.	1	1	3 1			٠	Answer ALI						
	(A) Cornea	(B) Iris								(
	(C) Pupil	(D) Lens					26. a.	Expla	ain how a towing procedure is	s perform	ned in an airplane.	10	2	1	1
		- a						•		1	r				
16.	Frequent inspection of landing gears		1	1	4 1				(OF	(3					
	(A) Seaplane	(B) Aerial application aircraft					b .	State	the negative effects of ice	buildup.	Discuss any one method of ice	10	2	1	1
	(C) Glider	(D) Helicopter							val with neat sketch.	1					
														53	
17.	Shearing of rivets has to be checked	· .	1	1	4 1		27. a.	Discu	uss in detail about the op-	eration	procedure and maintenance of	10	2	2	1
	(A) Hard or overweight landing	(B) Severe turbulence / over 'G'							aulic Test Rig.		r				
	(C) Flood damage	(D) Lighting strike						•	S						
									(OF	(3					
18.		ufacturer's information and specific	1	1	4 1		b.	What	`	,	cation in an oil system? Describe	10	2	2	1
									_		•				
	instructions for repairing primary an	d secondary structures.						the va	arious test procedures followe	ed to ide	ntify the metal particles.				
	(A) Overhaul manual	d secondary structures. (B) Maintenance manual						the va	arious test procedures follower	ed to ide	ntify the metal particles.				
		•										10	2	3	1
	(A) Overhaul manual(C) Structural repair manual	(B) Maintenance manual(D) TCDS					28. a.	What	is shop safety? Explain sa		ound Hazardous Materials with	10	2	3	1
19.	(A) Overhaul manual(C) Structural repair manualAircraft having an air traffic contr	(B) Maintenance manual (D) TCDS ol (ATC) transponder must have each	1	1	4 1		28. a.	What				10	2	3	1
19.	(A) Overhaul manual(C) Structural repair manualAircraft having an air traffic contratransponder checked within the precent checked within the precen	(B) Maintenance manual (D) TCDS ol (ATC) transponder must have each eding months.	1	1 -	4 1		28. a.	What	t is shop safety? Explain sappriate drawings.	afety are		10	2	3	1
19.	 (A) Overhaul manual (C) Structural repair manual Aircraft having an air traffic contratransponder checked within the preception (A) 12 	(B) Maintenance manual (D) TCDS ol (ATC) transponder must have each eding months. (B) 10	1	1 -	4 1		28. a.	What appro	t is shop safety? Explain sappriate drawings.	afety are	ound Hazardous Materials with	10		3	
19.	(A) Overhaul manual(C) Structural repair manualAircraft having an air traffic contratransponder checked within the precent checked within the precen	(B) Maintenance manual (D) TCDS ol (ATC) transponder must have each eding months.	1	1 -	4 1		28. a.	What appro	t is shop safety? Explain sappriate drawings.	afety are	ound Hazardous Materials with	10			
19.	 (A) Overhaul manual (C) Structural repair manual Aircraft having an air traffic contratransponder checked within the preception (A) 12 	(B) Maintenance manual (D) TCDS ol (ATC) transponder must have each eding months. (B) 10	1	l ·	4 1		28. a. b.	What appro	t is shop safety? Explain sappriate drawings.	afety are (1) (2) (3)	ound Hazardous Materials with ing the human performance.	10 10			1

23NF6/7/18ASO104T

Page 2 of 4

in detail. 10 2 4 1 (OR) Page 3 of 4 23NF6/7/18ASO104T

1 1 4 1