## B.E. (Aeronautical Engineering) Seventh Semester (C.B.S.) Aircraft General Engineering & Maintenance Practices

P. Pages : 2 Time : Three Hour			* 1 0 7 2 *	<b>TKN/KS/16/7614</b> Max. Marks : 80	
	Note	2. So 3. So 4. So 5. So 6. So 7. So 8. D 9. A 10. D 11. III	Il questions carry marks as indicated. olve Question 1 OR Questions No. 2. olve Question 3 OR Questions No. 4. olve Question 5 OR Questions No. 6. olve Question 7 OR Questions No. 8. olve Question 9 OR Questions No. 10. olve Question 11 OR Questions No. 12. ue credit will be given to neatness and adequate dimensions. ssume suitable data whenever necessary. iagrams and chemical equations should be given whenever nece lustrate your answers whenever necessary with the help of neat se of non programmable calculator is permitted.		
1.	a)		n the refuelling procedure boeing followed to refuel an aircraft.		7
	b)	Explain ab	out the procedure which is carried out to eliminate the hydraulic of the engine.	e lock present in	7
2.	a)	Explain ab	out the 'Hot start' and hung start' in turbojet engine.		7
	b)	Explain br	iefly about the ground support air start units.		7
3.		Explain bri engine airc	iefly about the lubrication system of piston-engine aircraft and g craft. OR	gas-turbine	13
4.		<ul><li>i) Cabin</li><li>ii) Maint</li></ul>	t notes on the following. a air pressure safety valve. tenance procedure of air conditioning system. tenance procedure of pressurization system.		13
5.	a)	List the saf	fety and cleanliness procedure followed in the maintenance hang	ger.	7
	b)	List out the	e safety procedures followed during aircraft welding.		6
			OR		
6.		Explain the	e special tools & equipments used in an airplane maintenance sh	op.	13
7	0)	Evolain in	datail about radiographic methods used for sirgraft component.	magial	7

b) Explain in detail about ultrasonic testing methods used for aircraft component special inspection.

## OR

8.		<ul> <li>Write short notes on the following.</li> <li>a) Type certificate data sheet.</li> <li>b) ATA specifications.</li> <li>c) FAR.</li> <li>d) Airworthiness directives.</li> </ul>	13
9.		Explain in detail about different types of fluid lines & its identification terminology.	
		OR	
10.	a)	Write a note on the aircraft bolts identification and coding.	7
	b)	Write a note on the aircraft nuts identification and coding.	6
11.	a)	Explain about the cable swaging procedure and test carried out on cable.	7
	b)	Explain about the cable splicing procedure and test carried out on cable. OR	7
12.	a)	What are the different types of plumbing connections used in aviation industory? Explain in detail.	8
	b)	What are the inspection carried out on cables swaging ends? Explain in detail.	6