

Reg.No. \_\_\_\_\_



**Karunya UNIVERSITY**

(Karunya Institute of Technology & Sciences)  
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec – 2016**

**Code : 15AE3007**  
**Sub. Name : Advanced Aircraft Systems**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Write short notes on the components of the pneumatic system used for Aircraft.	CO1	20
<b>(OR)</b>				
2.	a.	Explain about the different types of Aircraft brakes with a neat sketch.	CO1	20
3.	a.	Write short notes on hydraulic landing gear Retraction systems with a neat sketch.	CO1	20
<b>(OR)</b>				
4.	a.	Write about the lubrication system in Reciprocating type Aircraft engines with a neat sketch.	CO1	20
5.	a.	Explain about the ignition system of the turbine engine.	CO2	20
<b>(OR)</b>				
6.	a.	Explain in detail about the different Temperature measurement systems.	CO1	20
7.	a.	Give a detailed description about collision avoidance system in an Aircraft.	CO2	20
<b>(OR)</b>				
8.	a.	Give a detailed description on instrument warning systems employed in Aircrafts.	CO2	20
<b><u>Compulsory:</u></b>				
9.	a.	Mention some of the characteristics and properties to be possessed by the fluid used in hydraulic systems.	CO1	10
	b.	Write a short notes on the types of hydraulic fluids currently being used in civil Aircrafts.	CO1	10

ALL THE BEST