



# HINDUSTAN AEROSPACE & ENGINEERING – PUNE

(A unit of Kohinoor Educational Services Pvt. Ltd.)

Approved by DGCA (Govt. of India) for AME Course under CAR-147 (Basic)

## THEORY SYLLABUS – B1.1 (AEROPLANE TURBINE)

### FIRST SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 7A	Maintenance Practices - I	90
Module – 08	Basic Aerodynamics	60
Module – 10	Aviation Legislation - I	100
	<b>Duration</b>	<b>250</b>

### SECOND SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 03	Electrical Fundamentals - I	60
Module – 7A	Maintenance Practices - II	80
Module – 9A	Human Factors	60
Module – 10	Aviation Legislation - II	100
	<b>Duration</b>	<b>300</b>

### THIRD SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 03	Electrical Fundamentals - II	60
Module – 04	Electronics Fundamentals	80
Module – 7A	Maintenance Practices - III	50
	<b>Duration</b>	<b>190</b>



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### FOURTH SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 05	Digital Techniques/Electronics Instruments System	80
Module – 06	Materials & Hardware - I	70
Module – 11 A	Turbine Aeroplane Aerodynamics, Structure & Systems – I (Airframe Structures)	90
	<b>Duration</b>	<b>240</b>

### FIFTH SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 06	Materials & Hardware - II	70
Module – 11 A	Turbine Aeroplane Aerodynamics, Structure & Systems – II (Airframe Structures)	90
Module – 15	Gas Turbine Engine - I	70
	<b>Duration</b>	<b>230</b>

### SIXTH SEMESTER

MODULE	NOMENCLATURE	HOURS
Module – 11 A	Turbine Aeroplane Aerodynamics, Structure & Systems – III (Airframe Structures)	90
Module – 15	Gas Turbine Engine - I	90
Module – 17 A	Propellers	50
	<b>Duration</b>	<b>230</b>



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## PRACTICAL SYLLABUS – B1.1 (AEROPLANE TURBINE)

### FIRST SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 7A	Maintenance Practices - I	90	--
Module – 08	Basic Aerodynamics	40	--
	<b>Duration</b>	<b>130</b>	--

### SECOND SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 3	Electrical Fundamentals - I	46	--
Module – 7A	Maintenance Practices - II	71	--
	<b>Duration</b>	<b>117</b>	--

### THIRD SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 3	Electrical Fundamentals - II	54	--
Module – 04	Electronics Fundamentals	80	--
Module – 7A	Maintenance Practices - III	19	--
	<b>Duration</b>	<b>153</b>	--



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## PRACTICAL SYLLABUS – B1.1 (AEROPLANE TURBINE)

### FOURTH SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 05	Digital Techniques/Electronics Instruments System	80	--
Module – 06	Materials & Hardware - I	10	--
Module – 11A	Turbine Aeroplane Aerodynamics, Structure & Systems – I (Airframe Structures)	40	65
	<b>Duration</b>	<b>130</b>	<b>65</b>

### FIFTH SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 06	Materials & Hardware - II	70	--
Module – 11A	Turbine Aeroplane Aerodynamics, Structure & Systems –II	--	70
Module – 15	Gas Turbine Engine-I	10	33
	<b>Duration</b>	<b>80</b>	<b>103</b>

### SIXTH SEMESTER

MODULE	NOMENCLATURE	Practical (In-house)	Practical (out -source)
Module – 11A	Turbine Aeroplane Aerodynamics, Structure & Systems –III	--	65
Module – 15	Gas Turbine Engine-II	--	77
Module – 17A	Propellers	--	40
	<b>Duration</b>	<b>--</b>	<b>182</b>