

BHARATHIAR UNIVERSITY, COIMBATORE – 641 046

B.Sc. Aircraft Maintenance Science

(For the CPP/COP students admitted during the academic year 2015-2016 and onwards)

SCHEME OF EXAMINATIONS: CBCS PATTERN

Part	Study Components	Course Title	Ins. Hrs./week	Exam			Credit
				CLAS	Unilexam	Total	
Semester - I							
I	Language – I		6	25	75	100	4
II	English – I		6	25	75	100	4
III	CORE I: Work shop Practices (Theory)		6	25	75	100	4
III	CORE II: Work shop Practices (Practical)		6	40	60	100	4
III	Allied paper-I Basic Aerodynamics		4	25	75	100	4
IV	Environmental Studies #		2	-	50	50	2
Semester – II							
I	Language – II		6	25	75	100	4
II	English – II		6	25	75	100	4
III	CORE III: Electrical Fundamentals- I(Theory)		6	25	75	100	4
III	CORE IV: Electrical Fundamentals - I(Practical)		6	40	60	100	4
III	Allied paper-II Air Law & Airworthiness Requirements - I		4	25	75	100	4
IV	Value Education – Human Rights #		2	-	50	50	2
Semester - III							
III	CORE V: Aircraft Materials & Hardware (Theory)		5	25	75	100	4
III	CORE VI: Aircraft Materials & Hardware (Practical)		5	40	60	100	4
III	CORE VII: Electronics Fundamental (Theory)		5	25	75	100	4
III	CORE VIII: Electronics Fundamental (Practical)		5	40	60	100	4
III	Allied paper-III Air Law & Airworthiness Requirements - II		5	25	75	100	4
IV	Skill based subject-I Maintenance Practices - I		3	20	55	75	3
IV	Tamil@/ Advanced Tamil# (OR) Non major Elective: I (Yoga for Human Excellence) # / Women Rights # / Constitution of India		2	50		50	2
Semester - IV							
III	CORE IX: Electrical Fundamental –II (Theory)		5	25	75	100	4
III	CORE X: Electrical Fundamental –II (Practical)		5	40	60	100	4
III	CORE XI: Digital Techniques & Electronics Instruments System (Theory)		5	25	75	100	4
III	CORE XII: Digital Techniques & Electronics Instruments System(Practical)		5	40	60	100	4
III	Allied paper-IV Human Factors		5	25	75	100	4

IV	Skill based subject-2 Maintenance Practices - II	3	20	55	75	3
IV	Tamil@/ Advanced Tamil# (OR) Non major Elective: II (General Awareness #)	2	50		50	2
Semester - V						
III	CORE XIII: Avionics (theory)	4	25	75	100	4
III	CORE XIV: Avionics (practical)	3	40	60	100	4
III	Elective - IA / I B (theory)	4	25	75	100	4
III	Elective - IA / I B (practical)	3	40	60	100	4
III	Elective -IIA / II B (theory)	4	25	75	100	4
III	Elective -IIA / II B (practical)	3	40	60	100	4
III	Elective - IIIA / III B (theory)	4	25	75	100	4
III	Elective - IIIA / III B (practical)	3	40	60	100	4
IV	Skill based subject-3 Aeroplane Maintenance	2	20	55	75	3
Semester - VI						
	Internship^ (Report and viva-voce)			-	225	9
V	Extension Activities @	-	50	-	50	2
TOTAL					3500	140

VI semester Internship: Students to undergo On Job Training on relevant Aeroplane/Systems either in the industry or in the college provided the college having required facilities. An Internship Report is to be submitted by each student.

LIST OF ELECTIVE PAPERS (college can choose any one of the papers as electives)		
Elective I	A	Aircraft structure and Systems
	B	Aircraft Electrical Systems
Elective II	A	Gas turbine Engines
	B	Aircraft Instrument Systems
Elective III	A	Piston Engines
	B	Communication and Navigation Systems

*For subjects without practical

**For subjects with practical

^ For Internship Report 400 Marks; Viva-voce 125 Marks

@ No University Examinations, only Continuous Internal Assessment (CIA)

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