

School of Aeronautics (Neemrana)

Question Paper For Back / Re-back Internal Assessment Examination (Theory) - Old Scheme i.e 2012 Syllabus

Instructions For Students / Faculty

Back / Re-back Internal Examination (Total 60 Marks, 2 Hrs, Syllabus From Beginning of The Session)

Total number of questions to be given are 10, each carrying 10 marks and it is compulsory to attend 2 questions from Part A and 4 questions from Part B. There is a choice of two questions out of four in part A and 4 questions out of 6 in Part B. Part A will be theoretical or derivation type (**Not More Than 70 Words For Question**). Part B will be fully numerically oriented questions (**Not More Than 70 Words For Question**), except for the list of subjects given below. No objective type or fill in the blanks shall be given, but subpart of question can be given for both Part A & B.

* **LIST OF ELABORATIVE THEORY QUESTION SUBJECTS:** Aircraft Materials, Aircraft System, Aircraft Rules & Regulation-I, Mechanics of Composite Materials, Aircraft Design, Aircraft Rules & Regulation-II, Avionics-I, Helicopter Theory, Maintenance of Airframe and System Design, Avionics-II, Airlines and Airport Management, Maintenance of Power Plant & Systems

FACULTY MEMBERS, PLEASE ENSURE EXCEPT ABOVE LISTED SUBJECTS, NO THEORETICAL ELABORATIVE QUESTION SHOULD BE GIVEN IN PART 'B' OF QUESTION PAPER

STUDENT IS ALLOWED TO ENTER LATE NOT MORE THAN 15 MIN AFTER STARTING OF EXAM, AND MAY LEAVE THE EXAM HALL ON EXPIRY OF ATLEAST OF 1 Hr FROM THE STARTING TIME OF EXAMINATION

Question Paper & Student Details

Name of Faculty*	<input type="text" value="Mr.Rajendra"/>	Date of Submission of QP	<input type="text" value="25/11/2020"/>
Subject*	<input type="text" value="6MH6.3 - Aircraft Electronics System (Old)"/>	Date of Examination*	<input type="text" value="30/11/2020"/>
Email Id of Faculty:*	<input type="text" value="rajendrprasad@soaneemrana.org.mail.com"/>	Course*	<input type="text" value="B.Tech (Mechatronics Engineering)"/>
Phone Number of Faculty*	<input type="text" value="941 389 1827"/>	Semester*	<input type="text" value="Semester : 6"/>

Student Name	<input type="text"/>	Student Reg No.	<input type="text"/>
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Part A

Question : 1*

What do you mean by reverse current, Describe the reverse current cutout operation with circuit diagram?

Lesson Plan*	<input type="text" value="4"/>	Topic*	<input type="text" value="Circuit protection."/>	Source*	<input type="text" value="Aircraft electrical syster"/>
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Question : 2*

Explain the function of the different components of electronic flight Instrument system?

Lesson Plan*

33

Topic*

EFIS units of system.

Source*

A/C Inst&Integ sys.

Question : 3*

Describe the Information displayed on EHSI in MAP Mode of operation of EFIS?

Lesson Plan*

34

Topic*

Display select, panel.

Source*

A/C Inst&Integ sys

Question : 4*

Explain the function of different unit of EICAS ?

Lesson Plan*

35

Topic*

EICAS

Source*

A/C Inst&Integ sys.

Part B

Question : 1*

With the aid of circuit diagram,Describe the fundamental principle of the carbon pile method of voltage regulation?

Lesson Plan*

2

Topic*

Voltage regulation

Source*

Aircraft electrical system

Question : 2*

Explain the Aircraft lighting system?

Lesson Plan*

6

Topic*

Lighting system.

Source*

Aircraft electrical system

Question : 3*

Explain the procedure of data entry in flight management system also ,explain the function of data loader ?

Lesson Plan*

37

Topic*

Performance data comp.

Source*

A/C Inst& Integ sys.

Question : 4*

Explain the automatic and manual testing procedure of ECAM System?

Lesson Plan*

32

Topic*

System testing.

Source*

A/C Inst&Integ sys.

Question : 5

Explain the operation of EHSI in ILS mode?

Lesson Plan

34

Topic

Display presentation .

Source

A/C Inst& Integ sys.

Question : 6

Explain the function of maintenance control panel and testing procedure of EICAS

Lesson Plan

36

Topic

Maintenance control panel.

Source

A/C Inst & Integ sys.

Upload Scanned Document In Case of Numerical or Diagram for any of the above question

Mention question number with relevant fig / numerical / equations.
Max 150 KB

Choose files or drag here

I have scrutinized the question paper. There is no spelling mistake or any type of irrelevant question.

