

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 148668

Roll No.

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B.TECH.

Theory Examination (Semester-VI) 2015-16

AIRCRAFT HARDWARE

Time : 3 Hours

Max. Marks : 100

Answer all parts in short. Each part carries equal marks.

(10×2=20)

- 1.**
- (a) Define sealant.
 - (b) Define bonding agents.
 - (c) Define a rivet.
 - (d) Define the use of nuts.
 - (e) What is heat treatment.
 - (f) What is the function of cable.

- (g) What is crimping.
- (h) What is a coupling.
- (i) What are end filting.
- (j) What is the use of insulalois.

Section-B

2. Answer any five parts : (5×10=50)

- (a) What are composite material ? Where are they used in Aircraft.
- (b) List the various types of pipes used in aircraft.
- (c) How many types of control cables are used in aircraft. Explain two of them.
- (d) Where are rivets used ? What is the difference between solid and blind rivets ?
- (e) Enumerate the aircraft specifications for various machine screws.
- (f) Give the function and use of the following :
 - (i) spring washer

- (ii) split pins
- (iii) keys
- (iv) airchips
- (v) colter pins
- (g) Describe the procedure for identification and marking of bolts.
- (h) What are locking devices ? What is the necessity of locking devices.

Section - C

Answer any two of the following :

(2×15=30)

3. What the help of a sketch show we following threads.
 - (i) BSF
 - (ii) BSW
 - (iii) BSP
4. Describe the uses of sealants and Bonding agents. What is shelf life of consumables ?

5. Write short notes on three of the following :

(i) International Standards ?

(ii) Slip box

(iii) Types of Pipes

(iv) Pulley

(v) Compensation devices

