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

Paper ID: 148668

Roll No.

#### B.TECH.

## Theory Examination (Semester-VI) 2015-16

### AIRCRAFT HARDWARE

Time: 3 Hours

*Max. Marks* : 100

## Section-A

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

 $(10 \times 2 = 20)$ 

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

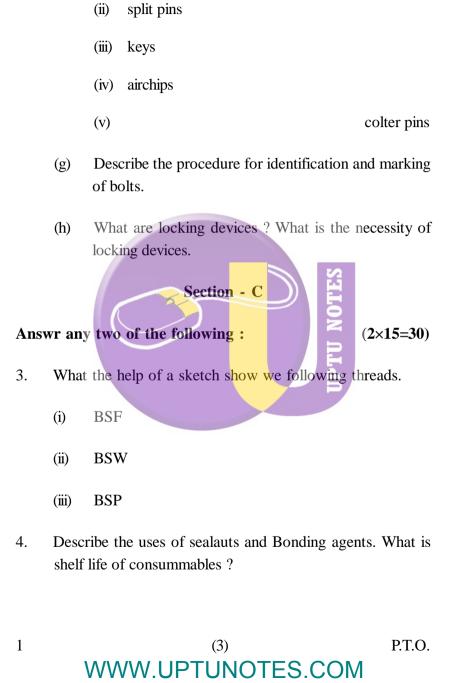
- (g) What is crimping.
- (h) What is a coupling.
- (i) What are end filting.
- (j) What is the use of insulalois.

#### **Section-B**

2. Answer any five parts:

 $(5 \times 10 = 50)$ 

- (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



- 5. Write short notes on three of the following:
  - (i) International Standards?

Compensation devices

- (ii) Slip box
- (iii) Types of Pipes
- (iv) Pulley

(v)

NOTES