

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

Paper ID :148662

Roll No.

--	--	--	--	--	--	--	--	--	--

**B. TECH.**

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

**AIR TRANSPORTATION  
(OPERATIONS)**

**Time : 3 Hours**

**Max. Marks : 100**

**Section-A**

**Answer all parts in short. All parts carry equal marks.**

**(10×2=20)**

1.
  - (a) Define transportation.
  - (b) What is a route ?
  - (c) What is night flying ?
  - (d) Define Aerodrome.
  - (e) Name four navigational instruments.
  - (f) What are operation costs ?

- (g) What is aircraft manual ?
- (h) What is market research ?
- (i) What is scheduling ?
- (j) What is a fare ?

### Section-B

**2. Answer any five of the following. (5×10=50)**

- (a) How are night plans prepared ?
- (b) What is enroute navigation ? How routes are selected ?
- (c) What are the principles of operational research ?
- (d) What are the principles of air traffic control ?
- (e) What are the economics of operation ?
- (f) What are the factors affecting runway utilisation ?
- (g) What are the various maintenance practices in air transportation ?
- (h) What is the role of Geographical and political factors in selecting routes ?

### Section-C

3. What is the role of navigational instruments flying operations ?
4. What is the role of Air Traffic control in Air Transportation ?
5. Write short notes on any three of the following :
  - (i) Aircraft maintenance in flight
  - (ii) Instrument Landing system.
  - (iii) Passenger Capacity
  - (iv) Economics of Transportation.
  - (v) Fleet of Aircraft.

