

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**B.Sc. AVIATION, HOSPITALITY & TRAVEL TOURISM (761)**  
**EXAMINATION: DECEMBER - 2025**  
**FIRST SEMESTER (PATTERN 2025)**  
**Subject : Fundamentals of Aviation (76125-101)**

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**Date: 17/12/2025****Total Marks: 30****Time: 10.00 am to 11.30 am**

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- Instructions:** 1) Each question carries equal marks.  
2) **Q. 1 and Q.2** are Compulsory.  
3) Attempt **any 01** questions of the remaining.

**Q. 1 Mark the correct answer****(10)**

1. Who made the first powered, controlled, and sustained flight in history?  
A. Charles Lindbergh      B. Wright Brothers      C. Amelia Earhart      D. Leonardo da Vinci
2. In what year did the Wright brothers achieve their first successful flight?  
A. 1899      B. 1901      C. 1903      D. 1905
3. What was the location of the Wright brothers' first flight?  
A. New York      B. Dayton, Ohio      C. Kitty Hawk, North Carolina      D. Chicago
4. What was the name of Charles Lindbergh's aircraft used for the first solo nonstop transatlantic flight?  
A. Spirit of America      B. The Eagle      C. Flyer I      D. Spirit of St. Louis
5. What was the first commercial airline flight in history?  
A. British Airways London-Paris route      B. Wright brothers' passenger demo  
C. St. Petersburg–Tampa Airboat Line (1914)      D. Pan Am's first international flight
6. What is civil aviation?  
A. Aviation involving only military aircraft      B. Aviation used for space exploration  
C. All non-military, non-state aircraft operations including commercial and private flights      D. Aviation restricted to cargo transport only
7. Which international body regulates civil aviation standards globally?  
A. NASA      B. IATA      C. ICAO      D. FAA
8. When was the ICAO established?  
A. 1919      B. 1935      C. 1944      D. 1955
9. Which agreement laid the foundation for international civil aviation?  
A. Geneva Convention      B. Montreal Protocol      C. Warsaw Convention      D. Chicago Convention
10. What does IATA stand for?  
A. International Aviation Transport Administration      B. International Air Traffic Authority  
C. International Air Transport Association      D. International Aeronautical Treaty Association

**Q. 2 Answer the following: (Any 10) 2 Marks each (10)**

1.	Avionics	Cruise Altitude	Auto Pilot	Cabin Crew
	Elevator	Flaps	Jet Lag	Lift
	Yaw	Turbulence	Navigation Aids	Zulu Time(UTC)

**Q. 3 Answer the following: (2 Marks each) (10)**

1. Who were the Wright brothers, and why are they significant in aviation history?
2. Name the aircraft used by Charles Lindbergh for his solo transatlantic flight and state the year it happened
3. What is the significance of the year 1914 in commercial aviation history?
4. What was the role of aircraft during World War I?
5. When and why was the International Civil Aviation Organization (ICAO) formed?

**Q. 4 Explain in brief : (5 Marks each) (10)**

1. Explain: Four Forces of Flight
2. History of the Aviation Industry

**Q. 5 Write note on following: (5 Marks each) (10)**

1. History of Civil Aviation in India– before Independence- After Independence  
Post Liberalization
2. Key components of Civil Aviation Infrastructure.