

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, Mid semester Examination

Semester: 3rd
Subject Code: (03613209)
Subject Name: Aircraft Instruments

Date: (02/08/2022)
Time: (1hr: 30min)
Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

- Q.1 Answer any six out of Ten. (2 Marks Each) (12)**
1. Give the full name of TIT.
 2. Enlist the pitot static instruments.
 3. What are the various flight panels in aircraft?
 4. Enlist Six pack instruments.
 5. What is the function of altimeter?
 6. Enlist the GT Engine instruments.
 7. What do you mean by ram air?
 8. What is static port?
 9. Enlist gyroscopic instruments.
 10. What are the piston engine instruments?
- Q.2 A) What is PFD and MFD? Explain in detail. (03)**
- OR**
- A) Write various types of altitude in detail. (03)
B) Enlist the various navigational instruments and its use in flight. (03)
- OR**
- B) Explain the selection criteria of static port location. (03)
C) Explain the different types of airspeed in ASI. (04)
- OR**
- C) Explain the importance of engine instruments. (04)
D) Write a short note on aircraft Instruments. (04)
- Q.3 A) Explain altimeter in detail with neat sketch. (03)**
B) Explain Vertical Speed Indicator in detail. (03)
C) Explain airspeed indicator with neat sketch and markings. (04)
D) Draw the neat sketch of Pitot static system. (04)