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**For Questions, Notes, Syllabus & Results**  
**AE 8402 Aircraft Systems and Instruments**

**Important 2mark questions**

**Unit I**

1. Write a short note on speed brakes and spoilers.
2. Classify types of the retraction system.
3. Differentiate between 'Hydraulic system' and 'Pneumatic system'.

**Unit II**

1. Name any four basic control system components.
2. Mention a few advantages of FBW control systems over analog systems.
3. What is auto pilot system?

**Unit III**

1. What is vapor lock?
2. Write about the crossfeed system and its significance in balancing.
3. List out the requirements of 'lubricating oil'.

**Unit IV**

1. What are the primary components of the cooling pack?
2. Give the functions of 'wind shield wiper'.
3. What is 'Purging' the oxygen system?

**Unit V**

1. What is TCAS?
2. State the importance of engine instruments.
3. What is the role of BITE in the aircraft maintenance process?