

## NAVY WORKSHEET 4

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CLASS-----

DATE-----

NAME-----

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1. What permits change of blade angle while propeller is rotating and permits propeller to assume a blade angle that will give best performance for a particular flight?
  - a. Fixed Pitch
  - b. Constant Speed
  - c. Controllable Pitch
  - d. Propeller controller
  
2. What compressor does the P-3 utilize?
  - a. 4 Stage Impact Reaction Type
  - b. 15 Stage Axial Flow Double Spool Type
  - c. Hydromechanical Device
  - d. 14 Stage Axial Flow Single Spool Type
  
3. Tanks 2 and 3 can hold\_\_\_\_\_ gallons each.
  - a. 1606
  - b. 1671
  - c. 906
  - d. 1740
  
4. What unloads the compressor during acceleration and engine start and prevents compressor surge or stall in low RPM?
  - a. Tachometer
  - b. Engine Bleed Air Manifold
  - c. Fuel Flow Valves
  - d. Acceleration Bleed Air System
  
5. What provides a means of measuring Shaft Horse Power input into the RGA?
  - a. Tachometer Generator
  - b. Torquemeter
  - c. Decoupling
  - d. Interconnection Box

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6. What are the variable Powerplant parameters that affect jet propulsion?
  - a. Air Temperature, Pressure altitude, and humidity
  - b. RPM, Fuel Flow, Air Temperature
  - c. Pressure Altitude, RPM, Static Air
  - d. Ram Air Effect, Fuel Flow, RPM
  
7. In a contaminated ship, which of the following types of radiation is the most significant radiation hazard?
  - a. Alpha particles
  - b. Beta particles
  - c. Gamma rays
  - d. All of the answers
  
8. What is mounted on the de-ice contact ring behind No. 1 blade and provides pulse signal to electronic governor system?
  - a. Beating Generator
  - b. Piston Assembly
  - c. Beta Segment Gear
  - d. Pulse Generator
  
9. The Fuel Transfer Pumps are located in
  - a. Tank 2
  - b. Tank 3
  - c. Tank 5
  - d. Tank 5A
  
10. What has a speed derivative circuit - dampens RPM transients and Anticipation Potentiometer, which limits RPM over/undershoots caused by rapid power lever movement?
  - a. Syncrophaser Sub-system
  - b. Synchronizing Sub-System
  - c. Sync Master
  - d. Pulse Generator

**ANSWERS**

- 1-C
- 2-D
- 3-B
- 4- D
- 5-B
- 6-D
- 7-C
- 8-D
- 9-D
- 10-B