

- Q.27 What is the importance of storage of Aeronautical parts?
- Q.28 How is dissemination of information done?
- Q.29 How is the requirement of A/C fuels maintained?
- Q.30 Write in brief about the factors affecting aircraft performance.
- Q.31 Explain Air Burning.
- Q.32 Why test flight is done?
- Q.33 Explain load and trim sheet.
- Q.34 What are the different navigation equipment?
- Q.35 How to recognition and avoid hazards?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 How is monitoring, reporting and investigation of defects done?
- Q.37 Write notes on:
- Radio equipment system
 - Various fluids
- Q.38 Write a long note on DGGA, its role, functioning and the certificates/licenses issued.

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5th Sem / Branch : AME
Subject:- Aircraft Rules, Regulations and CAR-II

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following communications is not included in FANS?
- Air traffic control clearances
 - Ground staff communications
 - Pilot requests
 - Position reporting
- Q.2 Which of the following is not a part of the "big five" instruments?
- Altimeter
 - Airspeed indicator
 - Head up display
 - Artificial Horizon
- Q.3 TAS shows airspeed in _____
- Miles per hour
 - Knots
 - Nautical miles
 - Kilometer per hour
- Q.4 Which of the following is not a communication error?
- Amount of information
 - Unclear pronunciation
 - Attenuation
 - Misunderstanding

(60)

(4)

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- Q.5 The compass instrument shows the aircraft's heading relative to magnetic _____.
 a) West b) North
 c) South d) East
- Q.6 Which of the following is not true about FBW systems?
 a) Improved safety
 b) High maintenance costs
 c) Physically lighter
 d) Reliable
- Q.7 _____ is an inspection method for magnetic objects
 a) Fatigue b) Magnaflux
 c) Gammagraphs d) Bending
- Q.8 Which of the following indicates an aircraft's rotation about its longitudinal axis?
 a) Turn Indicator b) Pitch Indicator
 c) Yaw Indicator d) Bank Indicator
- Q.9 Which of the following is the most extensive maintenance check to be performed on an aircraft?
 a) A-Check b) D-Check
 c) B-Check d) C-Check
- Q.10 Which of the following is a non-destructive way of inspecting materials?
 a) Fatigue b) Radiography
 c) Welding d) Bending

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 What is a service bulletin?
 Q.12 What is the importance of flight testing?
 Q.13 What is a bonded store?
 Q.14 Mention two types of aircraft fuels.
 Q.15 What do you mean by Air worthiness?
 Q.16 Mention two documents to be carried on board.
 Q.17 What do you mean by concession?
 Q.18 Name one precaution to be taken while aircraft refueling.
 Q.19 What do you mean by C of A?
 Q.20 What do you mean by Defect Recording?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 How the rubber goods are stored?
 Q.22 What is a certificate of approval?
 Q.23 What are the minimum equipment required to fly an aircraft?
 Q.24 What do you mean by airworthiness directive?
 Q.25 What are the different environment issues faced by pilots?
 Q.26 How is modification of service bulletins done?