

Visual Navigation (VNAV)

40 Testing Objectives

Objectives are derived from chapters 1, 2, 3, 4, 5, 7 and 8 within the Visual Navigation FTI (2011)

Chapter One-Navigation

- 1) Identify the purposes of VNAV training and reasons for Pre-Flight Planning

Chapter Two- Charts

- 2) Identify the type of charts for short-range navigation and the type of chart and scale for the VNAV stage
- 3) Identify the usage of Maximum Elevation Figures (MEF)

Chapter Three-Federal Aviation Regulations

- 4) Identify dimensions of Controlled Airspace
- 5) Identify types of Controlled Airspace
- 6) Identify types of Uncontrolled Airspace
- 7) Identify types of Special Use Airspace and operations requirements
- 8) Identify Altitude Restrictions over congested areas
- 9) Identify Speed Restrictions as defined by FAR Part 91.117 for altitudes and airspace
- 10) Identify Aircraft Right of Way as defined by FAR Part 91.117 for priority for converging and overtaking aircraft
- 11) Identify VFR cruising altitude determination
- 12) Identify Cloud Clearance Visibility requirements in controlled and uncontrolled airspace
- 13) Identify Avoidance Criteria for uncontrolled airports and noise-sensitive areas

Chapter Four-Preflight Planning

- 14) Identify procedures for obtaining fuel and oil for intended destinations
- 15) Identify recommended destination distance and number of checkpoints
- 16) Identify recommended distance between checkpoints and checkpoint selection criteria
- 17) Identify procedures for computing Magnetic course from True course
- 18) Identify the definition of Continuation Fuel and procedures for computing

- 19) Identify procedures for determining Leg Time
- 20) Identify procedures for placing and filling in Data Box (doghouse), (check Note 2 on page 4-5)
- 21) Identify types of landmarks along the route for time and position checks
- 22) Identify procedures for determining ETE for Jet Log
- 23) Identify procedures for closing VFR flight plan and FSS responsibilities if it is not closed
- 24) Identify day and night altitude restrictions for VNAV
- 25) Identify FSS services and responsibilities for closing VFR flight plans

Chapter Five- Navigation Procedures

- 26) Identify pilot responsibilities for Cockpit Management and CRM
- 27) Identify procedures for route navigation in the VNAV stage
- 28) Identify procedures for Visual Fixing
- 29) Identify execution of the 6T's in the VNAV stage
- 30) Identify procedures for Weather Deviations

Chapter Seven-Airport Operations

- 31) Identify procedures for operating at tower controlled airports
- 32) Identify FAR 91.192 requirements for Traffic Patterns at most airports
- 33) Identify ALDIS lamp signals
- 34) Identify Traffic Advisory practices at airports without operating towers using CTAF or UNICOM
- 35) Identify procedures for getting weather information at airports without operating towers

Chapter Eight-Emergency Procedures

- 36) Identify procedures for determining Minimum Safe Altitudes
- 37) Identify procedures to use in the event you are lost or disoriented
- 38) Identify the Lost Communications procedures and Guard frequencies
- 39) Describe procedures for handling Low Level emergencies
- 40) Identify procedures for determining Emergency Route Abort Altitudes (ERAA) and application