

AVC3 Entrance Exam and Study Guide (as of 22JUN16)

References:

- FM 3-21.10 (The Infantry Rifle Company)
- ADRP 1-02 (Operational Terms and Military Symbols)
- ADRP 3-90 (Offense and Defense)
- FM 3-90.1 (Offense and Defense Volume 1)
- ATP 2-01.3 (Intelligence Preparation of the Battlefield/Battlespace)
- ADRP 3-0 (Unified Land Operations)
- FM 6-0 (Commander and Staff Organization and Operations)
- FM 3-04 (Army Aviation)
- ATP 3-04.1 (Aviation Tactical Employment)
- FM 3-99 (Airborne and Air Assault Operations)
- JP 3-0 (Joint Operations)
- World Wide Equipment Guide

A. Doctrinal Concepts:

- a. Troop Leading Procedures (FM 3-21.10)
- b. Tenets and Foundations of Unified Land Operations (ADRP 3-0)
- c. Principles of Joint Operations (ADRP 3-90)
- d. Steps of IPB (ATP 2-01.3)
- e. The Mission Statement (FM 3-21.10)
- f. Decisive Point (FM 3-21.10, ADRP 1-02)
- g. Offensive Tasks (ADRP 3-90, FM 3-04)
- h. Defensive Tasks (ADRP 3-90, FM 3-04)
- i. Characteristics of the Offense (ADRP 3-90)
- j. Characteristics of the Defense (ADRP 3-90)
- k. Levels of War (JP 3-0)
- l. Fundamentals of Reconnaissance (FM 3-04, ATP 3-04.1)
- m. Fundamentals of Security (FM 3-04, ATP 3-04.1)
- n. Airborne Assault Planning (FM 3-04, FM 3-99)
- o. Principles of Direct Fire Control (FM 3-90.1)
- p. Forms of Maneuver (FM 3-90)
- q. Fundamentals/Tenets of Breaching (FM 3-21.10)
- r. Elements of Combat Power and the Warfighting Functions (ADRP 3-0)
- s. Engagement Area Development (FM 3-21.10, ATP 3-04.1)
- t. Military Aspects of Terrain/OAKOC (FM 2-01.3)
- u. Five Paragraph Operations Order (FM 6-0)
- v. Commander's Critical Information Requirements (FM 3-21.10)
- w. The Core Competencies of Army Aviation (FM 3-04, ATP 3-04.1)

B. Tactical Mission Tasks, Security Tasks, and Operational Graphics, etc.: Students must be prepared to define the following terms and draw their graphical depictions where applicable. (Reference ADRP 1-02, FM 3-90.1, FM 3-04)

- Ambush
- Disrupt
- Interdict
- Secure
- Turn
- Attack by Fire
- Obstacle Effects (Turn, Block, Disrupt, Fix)
- Clear
- Seize
- Block
- Delay
- Neutralize
- Retain
- Support by Fire

- Breach
- Destroy
- Fix
- Suppress
- Screen
- Guard
- Infiltration
- Envelope
- Destroy
- Defeat
- Disrupt
- Divert
- Air Movement
- Movement to Contact
- Contain

C. U.S. Weapon Systems: Students must be able to visually identify the following weapon systems and vehicles, discuss capabilities including size of round, maximum range (point and area, where applicable) crew, and graphically depict with the proper military symbol. (Reference ADRP 1-02 and appropriate technical manuals found in LOGSA/LIW as well as the World Wide Equipment Guide, found on the Army Training Network)

- M4
- M2 .50 CAL
- M1 Abrams
- M224 60mm Mortar
- M120 120mm Mortar
- M252 82mm Mortar
- AH-64
- M230
- M203
- MK19
- M249
- M240/H
- Javelin
- Avenger

D. Students should be able to discuss current and emerging threat systems and capabilities that enemy forces may employ against Army Aviation including the following, and provide examples of each: (Reference FM3-04 and the World Wide Equipment Guide)

- Unguided projectile weapons
- Anti-Aircraft Artillery (AAA)
- Man-Portable Air Defense Systems (MANPADS)
- Surface to Air Missiles (SAMs)
- Anti-radiation Munitions
- Improvised Explosive Devices (IEDs)
- Anti-Tank Guided Missiles (ATGMs)
- Anti-Helicopter Mines
- Passive Detection Systems
- Meaconing, interference, jamming, and intrusion (MIJI)
- Threat Aviation
- Cyber Threats
- Directed Energy

E. Students must be able to build proper unit symbols such as (Reference ADRP 1-02):

- IBCT Infantry Battalion/Company/Platoon (Including Airborne and Air Assault)
- IBCT Weapons Company
- IBCT Mortar Section
- ABCT Combined Arms Battalion
- Combat Aviation Brigade
- Attack Reconnaissance Battalion/Company
- Attack Reconnaissance Squadron/Troop
- Assault Helicopter Battalion/Company
- General Support Aviation Battalion
- Command Aviation Company
- Heavy Lift Company
- MEDEVAC Company
- ABCT Armor Company/Platoon
- SBCT Infantry Battalion/Company/Platoon
- Scout Platoons (IBCT, ABCT, and SBCT)
- Special Forces Units
- **Equivalent Threat Units**