

# **AFCAT Syllabus 2019**

## **AFCAT Syllabus Ground Duty/Flying Syllabus:**

### AFCAT Syllabus For Verbal Ability In English:

- Comprehension
- Error Detection
- Sentence Completion/Filling in of the correct word
- Synonyms
- Antonyms and Testing of Vocabulary
- Idioms and Phrases

### AFCAT Syllabus For Numerical Ability:

- Time & Work
- Ratio & Proportion and Simple Interest
- Decimal Fraction
- Time & Distance (Trains/Boats & Streams)
- Profit & Loss
- Percentage
- Average

### AFCAT Syllabus For General Awareness:

- Politics
- Current Affairs
- Environment
- Basic Science
- Culture
- Sports
- History
- Geography
- Art
- Civics
- Environment

### AFCAT Syllabus For Military Aptitude Test:

- Verbal Skills
- Spatial Ability

## **Engineering Knowledge Test (EKT) Syllabus 2019**

### **EKT Syllabus For Computer Science Engineering:**

#### Fundamental Engineering Syllabus:

- Engineering Physics
- Engineering Mathematics
- Engineering Drawing
- Specialized Branch Topics:
- Information Technology

- Network Theory Design
- Analog and Digital Electronics
- Computer Networks
- Switching Theory
- Electronic Devices

Allied Engineering Topics :

- Control Engineering
- Telecommunication Systems
- Electrical Engineering
- Radar Theory
- Instrumentation
- Antenna and Wave Propagation
- Microwave Engineering

**EKT Syllabus For Mechanical Engineering**

Fundamental Engineering Syllabus :

- Engineering Physics
- Engineering Mathematics
- Engineering Drawing/ Engineering Graphics

Specialized Branch Topics :

- Thermodynamics
- Fluid Mechanics/Hydraulic Machines
- Engineering Mechanics
- Materials Science
- Thermodynamics
- Manufacturing Science
- Machine Drawing

Allied Engineering Topics :

- Aerodynamics
- Flight Mechanics
- Aircraft Structures
- Power Plant Engineering
- Industrial Engineering
- Automotive Engineering
- EKT Syllabus For Electrical & Electronics Engineering

Fundamental Engineering Syllabus :

- Engineering Physics
- Engineering Mathematics
- Engineering Drawing

Specialization Branch Topics :

- Microwave Engineering

- Analog and Digital Electronics
- Electronic Devices
- Telecommunication Systems
- Microwave Engineering
- Control Engineering
- Electrical Engineering

Allied Engineering Topics:

- Switching Theory
- Computer Networks
- Radar Theory
- Network Theory Design
- Instrumentation
- Information Technology