

Air Traffic Controller – Question Paper

The AAI written Question paper consists of two sections:

1. Non Technical
2. Technical

Section 1:

There are 4 types of questions in the section 1.

These are:

1. GK (General Knowledge questions)
2. General English The general english test questions are fill in the blanks type, errors, others (r.s aggarwal)
3. Reasoning
4. Other (puzzles, etc.)

Section 2:

The subjects for the section 2 are Microwave & Radar, Communication, Linear – Digital Devices, Networking (CN)

Important sample technical questions for AAI Placement Test:
electronics (engineering), communication, electrical, b.tech

What is a radar used for?

Which frequency do we use in MTI radar (COHO)?

What do you mean by CMRR of an amplifier?

Conversion related questions (binary to hexadecimal, decimal to hex)

Numericals (peak power)

What do you mean by FPGA?

In which OSI layer do we use the bridge?

Various other questions based on OSI Layer (Computer networking questions),

TCP/IP protocols (multiple choice type)

Why do we use a delayed AGC?

Numericals based on voltage & current sources.

What is VCO?

Why do we use firewalls?

What is mirroring, RAID, etc.

Relation between transmitted power & range. If we increase power by 16, range increases by ?

Where do we use an AGC in a circuit?

(receiver, oscillator, both, ?)

What kind of feedback is used in an amplifier? (A question similar to this)

..... is free running. a) monostable multivibrator b) astable c) both d) none

Find input impedance of a transmission line.