

The Aeronautical Society of India promotes excellence in Aeronautical and Aerospace Profession.

The AMAESI, Associate Membership examination (Section A & Section B) is conducted by the Aeronautical Society of India.

- In a session, a candidate can appear for any four subjects of his/her choice. A candidate will be eligible for Section-B only after successfully passing all the ten subjects of Section A and undergoing the six week workshop training or, after completion of two years from the date of his registration, whichever is later. In Section-B, a candidate will be declared to have completed the Section, only after successfully passing all the ten subjects and two training capsules of his selected specialist stream, or after two years from the date of graduating to Section-B.

#### Section A and Section B

- Subjects are same as engineering subjects and need a little guidance for understanding. He/she needs to invest good time in understanding the basics of the subjects. Section A comprises of 10 subjects–
  1. Applied Mathematics 1- This subject needs little guidance. This subject should be practiced on a daily basis, as it helps in gaining up the speed and understanding. This is a scoring subject. In order to understand Applied Mathematics 2 in Section B, the basic concept of Applied Mathematics should be strong.
  2. Fluid Mechanics – It is the study of fluids and forces on them. This is also a scoring subject. One should try and relate the study with things that we see in our day to day life.
  3. Basic Electronics –This is a theory related subject for which understanding the basics in mandatory.
  4. Strength of Materials – This is again more of theory and needs thorough understanding of the concepts.
  5. Engineering Thermodynamics – Both practical and theoretical knowledge is a must. One should focus more on both these areas to score well.
  6. Electrical Engineering – The engineering that deals with the study and application of electricity, electronics, and electromagnetism is Electrical Engineering. One can self study these concepts. When it comes to the calculation parts, guidance will be necessary.
  7. Microprocessors & Software Engineering – This is a theoretical subject, one will need to study hard. There are few practical calculations involved in Microprocessor, for which guidance is mandatory again.
  8. Engineering Drawing & Design – To understand this subject, a student needs to visualise the objects from different angles. One has to practice the drawings.
  9. Workshop Technology – There are many practical calculations involved in this subject. To understand the subject, one needs to understand the process behind the making of things.

## Section B

- Section B has 4 streams -1. Aero – mechanical 2. Avionics 3. Maintenance and Production (Mechanical & Electrical) 3.1. Maintenance & Production Stream (Mechanical) 3.2. Maintenance & Production Stream (Electrical). There are 21 options available from which one needs to choose elective.

### General tips-

- The student should spend sufficient time for preparation before exams.
- One should solve previous year papers and sample papers to practise within a stipulated time.
- The pattern of the paper is similar to those of normal engineering papers; therefore, practising these will prove to be handy.
- The student can opt for guidance from any senior or by joining any coaching or tuition classes.
- Section B subjects depend on the stream chosen by the student.
- There are many books available. A student should choose right books, as prescribed by SI.
- Enjoy the subjects you study, try to relate it with day to day things.
- A student should be self motivated and a good learner.
- Workshops and project work should be done very carefully as it will set your base strong.
- A student should try to understand the concepts behind subjects rather than mugging them.

For students who have completed Section A and B successfully, the Society offers two different “On Job Training” schemes. For more details you can check the official site, by clicking the link mentioned above.

This exam is recognised by the Government of India, by the Engineering Council and the candidate will be eligible to appear for GATE for further education.

- Candidates appearing in this exam have a high scope for jobs in the Central Government.
- The exam is generally conducted on the 2<sup>nd</sup> Monday of June and December. The examination centres as listed by ASI are Bangalore, Mumbai, Nagpur, Pune, Delhi, Indore, Secunderabad, Kharagpur(Calcutta), Kanpur, Chennai and Thiruvananthapuram.