

THE ASSOCIATION OF ENGINEERS, INDIA

24, NETAJI SUBHAS ROAD, CALCUTTA-700001

GUIDE TO AUTHOR

SCOPE :

This Journal is devoted to the advancement of Engineering & Technology through the dissemination of original contributions (Code AE : Sc), general articles (AE : Ge) on professional interest, review papers (AE : Re) on the results of recent research or development, technical notes (AE : TN) and technical comments (AE : Cm).

Publication of a submitted paper will depend on the review and judgement of the referees and the Editorial Board.

Submission of manuscripts :

Manuscripts with short bio-data of the authors (typed doubled spaced on 29 cm × 22.5 cm paper) in triplicate with original tracings drawn in Indian ink (photos on glossy paper) should be submitted to the Editor (caption of the figures to be given separately) A pass-port size photograph may kindly be sent for printing in Authors' introduction column.

Each full length paper (AE : Sc/AE : Ge/ AE : Re) must be accompanied by about a 150 word-abstract.

Full length papers should preferably be written within 2500 words plus 4 figures, technical notes within 1200 words plus 2 figures and technical comments within 600 words plus 1 figure. Extra figure may be accommodated in lieu of text (300 words per additional figure).

10 copies of reprints for papers (code—AE : Sc, AE : Re & AE : TN) will be supplied free of cost. Additional copies may be supplied on prior request at extra price.

Reference to papers/books should be given as: author, title, (Journal, Vol. No., pp. month, year) / (publisher, location, year) in the order shown.

A declaration from the author to the effect that the matter has not been published or submitted for publication elsewhere is necessary.

The Association shall not be responsible for statements or opinions advanced in papers or printed in its publications.

COPY RIGHT : Reprints from this publication may be made on condition that full credit be given to The Journal of Association of Engineers, India and the author and date of publication be stated.

PRICES : to members, free ; to non-members annually Rs. 40. (or \$ 16.00 or £ 4)

Single Copy Rs. 10.00 (or \$ 4.00 or £ 1)

less than five years, including one year's experience in a position of responsibility and submit a certified written report of his engineering training and experience, and of some work carried out under his personal supervision

Subjects of Examinations

Section A

7. In Section A there shall be six papers, common to all streams (mechanical, civil and electrical). Students may, however, appear in one or more subjects in any examination.

Course No.	Subject	Marks and duration of Examinations.
A 1	Mathematics	100 — 3 hrs.,
A 2	Physics	100 — 3 hrs.
A 3	Strength of Materials	100 — 3 hrs.
A 4	Material Science & Processes	100 — 3 hrs.
A 5	Electrical Technology	100 — 3 hrs.
A 6	Engineering Thermodynamics	100 — 3 hrs.

10. In Section B, there shall be five compulsory papers and three elective ones. Compulsory papers have been identified with asterisks. Students may, however, appear in one or more subjects in any examination.

MECHANICAL ENGINEERING STREAM

Course No.	Subject	Marks and duration of Examinations.
BM 1*	Workshop Technology	100 — 3 hrs.
BM 2*	Fluid Mechanics and Hydraulic Machinery	100 — 3 hrs.

MECHANICAL ENGG. STREAM—Contd.

BM 3*	Theory of Machine Design & Drawing	200 — 6 hrs.
BM 4*	Theory of Machines	100 — 3 hrs.
BM 5*	Heat Engines	100 — 3 hrs.
BM 6	Power Plant Engineering	100 — 3 hrs.
BM 7	Mechanical Handling of Materials	100 — 3 hrs.
BM 8	Machine Tools and Theory of Metal Cutting	100 — 3 hrs.
BM 9	Production Planning and Quantity Production Methods	100 — 3 hrs.
BM 10	Air Conditioning and Refrigeration	100 — 3 hrs.
BM 11	Experimental Stress Analysis	100 — 3 hrs.
BM 12	Design of Weldment	100 — 3 hrs.

CIVIL ENGINEERING STREAM

Course No.	Subject	Marks and duration of Examinations.
BC 1*	Surveying and Geodesy	100 — 3 hrs.
BC 2*	Theory of Structures	100 — 3 hrs.
BC 3*	Soil Mechanics	100 — 3 hrs.
BC 4*	Design and Drawing of Structures and buildings	200 — 6 hrs.
BC 5*	Fluid Mechanics (BM 2)	100 — 3 hrs.
BC 6	Highways & Railways	100 — 3 hrs.

CIVIL ENGG STREAM—Contd.

BC 7	Town and Regional Planning	100 — 3 hrs.
BC 8	Public Health Engineering	100 — 3 hrs.
BC 9	Sanitary Engineering	100 — 3 hrs.
BC 10	Irrigation and Flood Control	100 — 3 hrs.
BC 11	Architectural Design	100 — 3 hrs.
BC 12	Bridges	100 — 3 hrs.
BC 13 (BM 10)	Air Conditioning and Refrigeration	100 — 3 hrs.
BC 14	Experimental	
(BM 11)	Stress Analysis	100 — 3 hrs.

ELECTRICAL ENGG. STREAM—Contd.

BE 7	Electrical Power Utilisation and Traction	100 — 3 hrs.
BE 8	Automatic control Systems	100 — 3 hrs.
BE 9	High Voltage Technique	100 — 3 hrs.
BE 10	Solid State Devices and Transistor Circuits	100 — 3 hrs.

ELECTRICAL ENGINEERING STREAM

Course No.	Subject	Marks and duration of Examinations.
BE 1* (BM 6)	Power Plant Engineering	100 — 3 hrs.
BE 2*	Electrical Machines and Instrumentation	100 — 3 hrs.
BE 3*	Electrical Power Systems	100 — 3 hrs.
BE 4*	Electrical Measuring Instruments and Measurements	100 — 3 hrs.
BE 5*	Principles of Electrical Design	200 — 6 hrs.
BE 6	Switchgear and Protective Devices	100 — 3 hrs.

SECTION — C

9. A Candidate who has successfully passed section B is eligible for registering for the Section C Examination. A Candidate after registration is to take the problem on Project and Design from the Board of Examiners appointed by the Association. He is to submit the Project and Design on the specified dates which is not less than 1 year after the date of registration specified by the Association. He is to sit for a 3-hr paper on Industrial and Business Management (CMg 11) for 100 marks. The Project & Design paper will carry 400 marks (Report 50% and oral 50% marks.) The date for the Oral tests will be announced in due course.