

GRAPHICAL COMMUNICATION FORM 5

AIM: The syllabus aims to develop the ability to communicate information and ideas using the appropriate graphical method. The SEC option chosen for Paper 2 is Graphical Communications.

The Textbooks are:

Graphical Communication 1 by Stewart Bland

Graphical Communication 2 by Stewart Bland

Matsec Past Examination Papers

FIRST TERM

1. Vectors: Triangles and Polygon of forces.
2. Interpenetration: the lines of intersection between common objects. The lines of Interpenetration of solids such as prisms, cylinders, right cones and right pyramids.
3. Revision and harder examples in ortographic projection: first and third angle projection, including curved lines, holes and centre lines.
4. Projectional scale: the use of reduction and enlargement of figures with straight lines.
5. Revision geometrical constructions.
6. Plain figures equal in area.
7. Areas of plain figures by averaging ordinates.
8. True shape of line.
9. Prisms (square, rectangular, hexagonal etc.) cylinders and right pyramids, truncated at different angles, development and true shape.
10. Revision of pictorial projection: Isometric, oblique, planometric, perspective (one-point and two-point assumed perspective)
11. Design: Knowlegde, understanding and applications of design as a communication tool.
12. Electrical / electronic circuits.
13. Free-hand drawing, production of shaded and colored drawings which are clear and well proportioned.
14. Computer graphics: Creating graphic images on a pre-printed grid which represents the graphic display.

SECOND TERM

15. Revision: to master the ability to work out accurately and fast by doing past examination papers.

Assessment scheme:

When	Criteria	Marks
Academic Assessment	Class test	50
Behaviour Assessment		10
Annual Exam	Exam	100
Academic Assessment	Class work, homework.	50
Behaviour Assessment		10