

GEOMETRICAL AND MECHANICAL DRAWING (869)

BIFURCATED SYLLABUS

(As per The Reduced Syllabus for ISC - Class XII Year 2022 Examination)

SEMESTER 1 (Marks: 40)		SEMESTER 2 (Marks: 40)	
UNIT NO.	NAME OF THE UNIT	UNIT NO.	NAME OF THE UNIT
	Drawing (Engineering) The preparation of working drawings and assemblies from dimensioned sketches based on the following:		Drawing (Engineering) The preparation of working drawings and assemblies from dimensioned sketches based on the following:
(a)	Fastening (nuts, bolts, studs, keys, cotters, pins, locking devices)	(d)	Transmission of motion and power, bearings, supports, shafts and coupling
(b)	Rigid and flexible joints	(e)	Pressure transmission in pipes using water, oil, steam and gas
(c)	Screw threads; their projection and the proportions of standard types	(f)	Constructional details of prime moves and simple machine tools
(d)	Transmission of motion and power, bearings, supports, shafts and coupling	(g)	The use of reference points and planes in dimensioning, machining and surface texture symbols
		(h)	Toleranced dimensions involving the use of IS:919 or B.S. 4500 Limits and Fits for Engineering