

Lesson plan of ENGINEERING MATHEMATICS Theory of 1ST Sem Winter-2021

(From 01.11.2021 to 14.02.2022)

SL. NO .	SECTION	WEEK	THEORY CHAPTER/TOPIC	PERIOD (Total:90 periods)
1	SEC-A SEC-B SEC-C SEC-D	01.11.2021 To 06.11.2021	2) TRIGONOMETRY a) Trigonometrical ratios DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
2	SEC-A SEC-B SEC-C SEC-D	08.11.2021 To 13.11.2021	b) Compound angles, multiple and sub-multiple angles DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
3	SEC-A SEC-B SEC-C SEC-D	15.11.2021 To 20.11.2021	b) Compound angles, multiple and sub-multiple angles DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
4	SEC-A SEC-B SEC-C SEC-D	22.11.2021 To 27.11.2021	c) Define inverse circular functions and its properties DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

5	SEC-A SEC-B SEC-C SEC-D	29.11.2021 To 04.12.2021	c) Define inverse circular functions and its properties DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
6	SEC-A SEC-B SEC-C SEC-D	06.12.2021 To 11.12.2021	Problems based on this topics DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
7	SEC-A SEC-B SEC-C SEC-D	13.12.2021 To 18.12.2021	5) CO-ORDINATE GEOMETRY IN THREE DIMENSIONS a) Distance formulae, section formulae, direction ratio, direction cosine, perpendicular distance of a point from a plane, equation of a plane passing through a point and i) parallel to a plane (ii) perpendicular to a plane DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
8	SEC-A SEC-B SEC-C SEC-D	20.12.2021 To 24.12.2021	b) Equation of a plane i) General form, angle between two planes, DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

9	SEC-A SEC-B SEC-C SEC-D	27.12.2021 To 01.01.2022	perpendicular distance of a point from a plane, equation of a plane passing through a point and i) parallel to a plane (ii) perpendicular to a plane	03-A 03-B 03-C 03-D
10	SEC-A SEC-B SEC-C SEC-D	03.01.2022 To 08.01.2022	perpendicular distance of a point from a plane, equation of a plane passing through a point and i) parallel to a plane (ii) perpendicular to a plane	03-A 03-B 03-C 03-D
11	SEC-A SEC-B SEC-C SEC-D	10.01.2022 To 15.01.2022	Problems based on this topics DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
12	SEC-A SEC-B SEC-C SEC-D	17.01.2022 To 22.01.2022	6) SPHERE a) Equation of a sphere i) center radius form DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

13	SEC-A SEC-B SEC-C SEC-D	24.01.2022 To 29.01.2022	ii) general form iii) two end points of a diameter form DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
14	SEC-A SEC-B SEC-C SEC-D	31.01.2022 To 04.02.2022	Problems based on this topics DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
15	SEC-A SEC-B SEC-C SEC-D	07.02.2022 To 14.02.2022	REVISION CLASSES	03-A 03-B 03-C 03-D

N.B – A : CIVIL ENGG.

B : MECHANICAL ENGG.

C & D :: ELECTRICAL ENGG. & ELECT & TELECOMMUNICATION ENGG.

Mr.Sunil Kumar Banka
PTGF in Math

Academic Coordinator

Principal

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SL. NO .	SECTION	WEEK	THEORY CHAPTER/TOPIC	PERIOD (Total:90 periods)
1	SEC-A SEC-B SEC-C SEC-D	01.11.2021 To 06.11.2021	1) MATRICES AND DETERMINANTS a) Types of matrices b) Algebra of matrices DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
2	SEC-A SEC-B SEC-C SEC-D	08.11.2021 To 13.11.2021	c) Determinant d) Properties of determinant DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
3	SEC-A SEC-B SEC-C SEC-D	15.11.2021 To 20.11.2021	e) Inverse of a matrix (second and third order) DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
4	SEC-A SEC-B SEC-C SEC-D	22.11.2021 To 27.11.2021	f) Cramer's Rule g) Solution of simultaneous equations by matrix inverse method DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

5	SEC-A SEC-B SEC-C SEC-D	29.11.2021 To 04.12.2021	Problems based on this topics DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
6	SEC-A SEC-B SEC-C SEC-D	06.12.2021 To 11.12.2021	CO-ORDINATE GEOMETRY IN TWO DIMENSIONS (Straight line) a) Introduction of geometry in two dimension b) Distance formulae, division formulae, area of a triangle (only formulae no derivation) DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
7	SEC-A SEC-B SEC-C SEC-D	13.12.2021 To 18.12.2021	c) Define slope of a line, angle between two lines (only F), condition of perpendicularity and parallelism. DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
8	SEC-A SEC-B SEC-C SEC-D	20.12.2021 To 24.12.2021	d) Different forms of straight lines (only formulae) i) One point form (ii) two point form (iii) slope form (iv) intercept form (v) Perpendicular form DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

9	SEC-A SEC-B SEC-C SEC-D	27.12.2021 To 01.01.2022	e) Equation of a line passing through a point and (i) parallel to a line (ii) Perpendicular to a line	03-A 03-B 03-C 03-D
10	SEC-A SEC-B SEC-C SEC-D	03.01.2022 To 08.01.2022	f) Equation of a line passing through the intersection of two lines	03-A 03-B 03-C 03-D
11	SEC-A SEC-B SEC-C SEC-D	10.01.2022 To 15.01.2022	g) Distance of a point from a line DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
12	SEC-A SEC-B SEC-C SEC-D	17.01.2022 To 22.01.2022	Problems based on this topics DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D

13	SEC-A SEC-B SEC-C SEC-D	24.01.2022 To 29.01.2022	4) CIRCLE a) Equation of a circle (i) center radius form DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
14	SEC-A SEC-B SEC-C SEC-D	31.01.2022 To 04.02.2022	(ii) general equation of a circle (iii) end point of diameter form DOUBT CLEARING CLASS	03-A 03-B 03-C 03-D
15	SEC-A SEC-B SEC-C SEC-D	07.02.2022 To 14.02.2022	REVISION CLASSES	03-A 03-B 03-C 03-D

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Mr.Anil Kumar Giri
PTGF in Math

Academic Coordinator

Principal