School of Aeronautics (Neemrana)

I-04, RIICO Industrial Area, Neemrana, Dist. Alwar, Rajasthan

BATCH-13

B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Chemistry-II	1184 – RAMAN	Types of hardness in water * Pneuanent * Formula to describe both. * Temperature * Units in terms of which it can be explained.	13 – 01 – 2018
02	Engineering Chemistry-II	1192 – SHIVAM A.	Galvanic cell * Construction. * Working * Application	13 – 01 – 2018
03	Engineering Chemistry-II	1200 – SOURAB B.	Preventive measures of corrosion * Arodic * Cathodic protection	13 – 01 – 2018
04	Engineering Chemistry-II	1197 – MANAV	Electroplating with uses. * Definition * Types of electroplating. * Role of applications	13 – 01 – 2018
05	Engineering Chemistry-II	1203 – PRANAV	Units of hardness with EDTA method * Description of all units of hardness like p.p.m. Clark, french degree of hardness with their formula and relationships. * Explain hardness causing substance along wild.	20 – 01 – 2018

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
06	Engineering chemistry-II	1206 - SHREYAMSH	Lime Soda method to remove hardness in water. * All Rexes of Lime soda. * Method to Explain removed of hardness i.e. cold lime soda & hot lime soda method.	20-01-2018
07	Engineering chemistry-II	1224 - CH. KAILASH	Acclivity and types of acclivity in water * Definition of acclivity. * Acclivity causing Ionic combination. * Calculation for detection of acclivity in water.	20-01-2018
08	Engineering chemistry-II	1237 - THATIKONDA NETHA	Zeolite method & reverse osmosis. * Introduction * Diagrammatic Explanation * Advantages & Disadvantages.	27-01-2018
09	Engineering chemistry-II	1241 - DIVYAMSHU SONI	Ion exchange method and mixed bed-demineralization. * Meaning of Ion exchange. * Explanation of Technique with diagram. * Advantage and disadvantage.	27-01-2018
10	Engineering chemistry-II	1286 - ANSHUL DUBEY	Elector diaclasis * Elector diaclasis mean removed of salts/harness of water by electricity. (Explanation) of technique to carry out the process.) * Advantages / Disadvantages.	27-01-2018

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Engineering chemistry-II	1179 - AASTHA Th.	Boiler corrosion / caustic embroilment * Boiler corrosion causes. * Prevention measures. * Advantages / Disadvantages.	07-04-2018
12	Engineering chemistry-II	1183 - GADDALA CHERI	Ecosystem : Explanation for all types of ecosystem * Pond * Desert * Water * Land	07-04-2018
13	Engineering chemistry-II		Electrochemical cell * Principle * Construction * Working * Applications	
14	Engineering chemistry-II		Bio diversity/ Population dynamics * Basic Introduction * Formula for calculation * Explain with graph. * Utility	
15	Engineering chemistry-II		Renewable sources of energy * Sources * Applications * How they can be renewed.	

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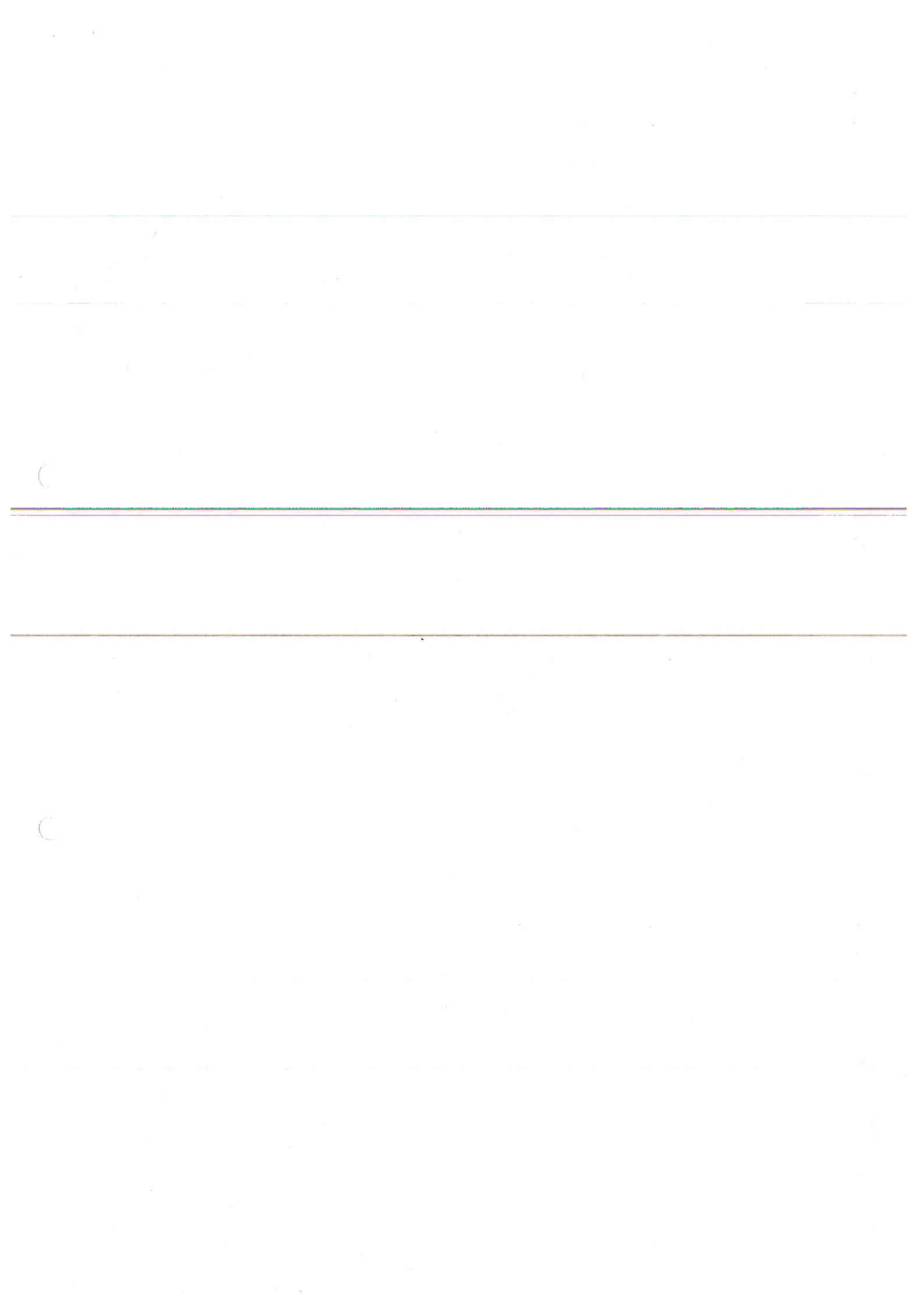
B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
16	Engineering chemistry-II		Air pollution/hardness effects of air pollution causes * Preventive measures * Hazards	
17	Engineering chemistry-II		Global warning * Introductions * Causes Hazards * Preventive measures	
18	Engineering chemistry-II		Cause and prevention of noise corrosion.	
			Acid rain hazardous effects and precautions.	
			Classification of solid waste with treatment.	
			Solid waste management	
19	Engineering chemistry-I		Rain water harvesting * Rain water harvesting technique for different methods. * Utility of R.W.H.	
20	Engineering chemistry-II		Mechanism of Electrochemical and dry corrosion with factors. * Causes of dry corrosion/Elect corrosion * Corrosion causing factors.	

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
21	Engineering Chemistry-II		Control of air/noise pollution. * Air pollution * Effective of pollution inhuman beings/moments building etc. * Preventive measures.	
22	Engineering chemistry-II		Corrosion causes * Corrosion causes * Factors affecting corrosion * Preventive measures.	

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar

01	Engineering Mathematics-II	1252 - RAGHUNANDAN CHAUHAN	* Introduction of coordinate geometry of three dimensions
			* Coordinates
			  - Definition
			  - Origin
			  - Axes
			  - Distance between two points
			  - Section formula
			* Direction cousins and projections
			  - Definition
			  - Directions cosines of a line
			  - Direction cosines of coordinate axes
			  - Direction cuisines ratio of coordinated axes
			* Angle between two lines
			  - Condition of perpendicularity (with diagram)
			  - Condition of parallelism (with diagram)
				10-02-2018

02	Engineering Mathematics-II	1254 - ANAS	Sphere * Introduction of sphere * Definition * Equation of sphere * Plane section of sphere * Intersection of two sphere * Intersection of a sphere and line	10-02-2018
03	Engineering mathematics-II	1255 - CHAMANDEEP BHALLA	Cone and cylinder * Introduction * Definition * Equation of Cone and cylinder	10-02-2018

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Engineering Mathematics-II	1258 – PAWAN SAINI	Introduction of right circular cone and right circular cylinder * Guiding curve * Generating line * Application of RCC	03 – 03 – 2018
05	Engineering Mathematics-II	1265 – CHAMAN	Introduction of Matrix * Definition of matrix * Notation and type of matrix * Algebra of matrices * Application of matrix in science	03 – 03 – 2018
06	Engineering Mathematics-II	1266 – SAKSHAM	Introductions of rank * Definition of rank * Application of rank in system of 3 linear equation * Method of finding rank – Normal form method – Echelon form method	03 – 03 – 2018
07	Engineering Mathematics-II		Introduction of eigen value and eiger vectors * Definition and characteristics equation * Cayley-Hamiltan theorem – Statement of CHT – Application of CHT in vector calculate Introduction of vector calculus * Definition * Vector function and scalar function	

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Mathematics-II		* Derivative of a vector function in terms of its components * Geometrical Interpretation of dr./dt * Scalar add vector fields * Gradient and divergence Introduction of differentiation and integration of vector functions * Differential operator and curl * Line integral * Surface integrals * Volume of Inlegrals Application of differentiation and Integration of vector functions	
09	Engineering Mathematics-II		Application of vector calculus * Discussed main theorem based on * Green's theorem in a plane * Gauss's and stoke theorem	
10	Engineering Mathematics-II		Fourier series * Introduction * Definitions * Orthogonal set * Periodic function * Fourier coefficients * Even and odd function	

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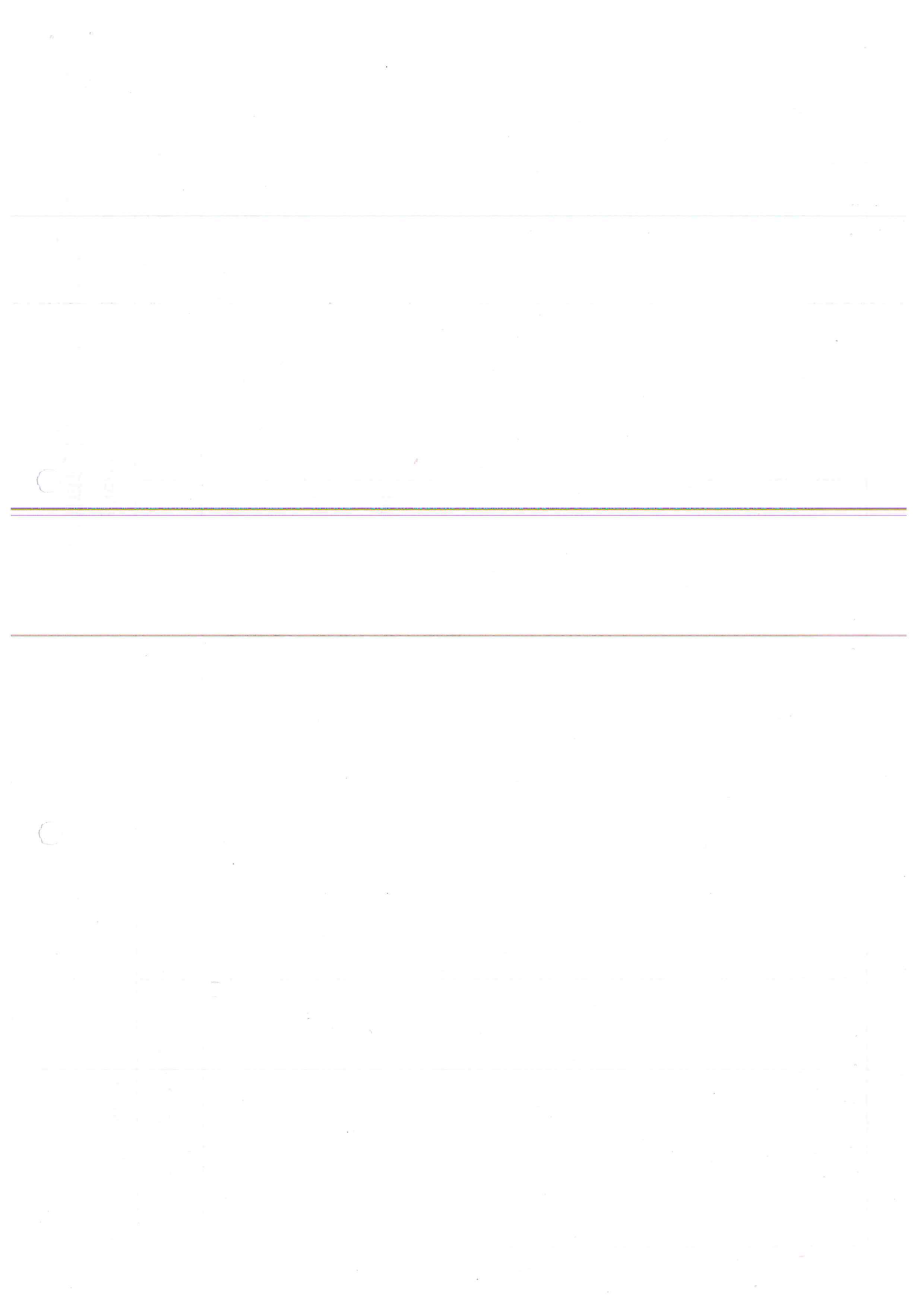I-04, RIICO Industrial Area, Neemrana, Dist. Alwar, Rajasthan

B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Engineering Mathematics-II		Change of Interval * Application of in Engineering problem * Half-Range series * Dirichlet condition	
12	Engineering Mathematics-II		Introduction of harmonic analysis * Definition of Harmonic Analysis * First harmonic * Second harmonic * The mode of vibrating string Application of harmonic Analysis in life	

13	Engineering Mathematics-II		Solution in series
			* Introduction
			* Definition
			* Power series method
			* Validity of the power series method
			  - Regular function with example
			  - Ordinary point with example
			  - Singular point with example	

14	Engineering Mathematics-II		Introduction of partial differential equations * Definition (Basic concept) * Formation of P.D.E * Boundary value problem in Heat Equation and wave equation in one dimensional.	

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B.Tech, Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
15	Engineering Mathematics-II		Introduction of partial differential equation of first order * Definition types of P.D.E * Types of methods Introduction of special type of partial differential equation * Method of solution Introduction of non linear P.D.E * Definition * Auxiliary equations * Type of method carpit method	

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Mechanics	1280 – VAIBHAV	Statics of particles and Rigid bodies * Application of low of Mechanics * Resolution of force, moments and couples * Various type of system of forces	17-03-2018
02	Engineering Mechanics	1281 – SAGAR KHINCHI	Variginon's and Lamis Theorem * Application of Virginia's and lames theorem * Free body diagram of bodies under equilibrium. * Condition of equilibrium.	17-03-2018
03	Engineering Mechanics	1165 – SURAJ	Virtual work * Concept of virtual work in Mechanical work. * Calculation of Active force diagram * Calculation of deflection on various beam using virtual work.	17-03-2018
04	Engineering Mechanics	1268 – VIVERANAND JHA	Centroid and moment of nineties * Concept of centroid and centre of gravity * Moment of inertia using parallel axis theorem * Moment of inertia using perpendicular axis theorem * Radius of Gyration	10-3-2018
05	Engineering Mechanics	1278 – KARMI	Calculation of Centroid and moment of inertia * Calculation for I - Section. * Calculation for T - Section. * Calculation for L - Section	10-03-2018

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
06	Engineering Mechanics	1279- AADHAR S.	Lifting Machines * Fundamental of lifting Machines. * Reversibility of Machine. * Law of Machines.	10-03-2018
07	Engineering Mechanics	1174- JUHI	System of Pulley's * Simple wheel and axis * Wheel and differential axis * Weston's different pulley	31-03-2018
08	Engineering Mechanics	1171- AMRET	Application of lifting Machine * To increase velocity ratio * To improve efficiency * To decrease the load and effort	31-03-2018
09	Engineering Mechanics		Friction * Various types of Friction * Advantage and disadvantage of friction * Application of friction on Aircraft tyres	
10	Engineering Mechanics		Friction on Loader and wedge * Variation of friction on ladder. * Load and angle of friction on Ladder * Friction on wedge shape surface	
11	Engineering Mechanics		Belt drive * Various type of belt drive. * Method to increase velocity ratio * Effect of ship on velocity ratio.	

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B.Tech., Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Engineering Mechanics		Power transmission by belt drives * Ratio of tensions and power by flat belt drives * Ratio of tensions and power by V belt drives.	
13	Engineering Mechanics		Kinematics of particles and Rigid bodies * Type of motion * Rectangular components of velocity acceleration. * Difference between angular and transverse velocity and acceleration.	
14	Engineering Mechanics		Law of Motion * Application of newton's law of motion. * Equation of motion in rectangular coordinate. * D alembert's principle application	
15	Engineering Mechanics		Work energy and power * Work due to force, weight and spring. * Principle of work and energy. * Power calculation for lifting and rolling weights.	
16	Engineering Mechanics		Impulse and momentum * Principle of liner impulse and momentum. * Principle of angular momentum and impulse. * Conservation of angular momentum.	

S.No	Subject	Name	Date of Seminar
01	Comp. Prog.	1256 – DEEPAK KUMAR	17-02-2018
02	''	1257 – ASHIK JALOD	17-02-2018
03	''	1263 – LALIT	17-02-2018