

School of Aeronautics (Neemrana)

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

MS. SHIV

B.Tech. Semester-1

B-18, 19, 20

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Physics-I	Reg.No. 1541 SHUBHAM BENIWAL B-18 Reg.No. 1589 ARUN SAI B-20	Interference of Light * What is Light, Nature of Light * Electromagnetic wave theory * Quantum theory of Light * The Principle of Superposition * Theory of Interference	24/8/19 28/9/19
02	Physics-I	Reg.No. 1543 SAI KIRAN SABBELLA B-18 Reg.No. 1591 HIMALAYA B-20	Coherent sources * Introduction to coherent light sources * Fresnel Bi-Prism and Interference * Newton's Rings, application of Newton's ring.	24/8/19 28/9/19
03	Physics-I	Reg.No. 1546 PRAJAPATHI ARENDRA B-18 Reg.No. 1594 HARIOM CHODHARY B-20	Michelson Interferometer & optical technology * Principle, construction & working * Formation of Fringes * Types of Fringes * Difference between Newton's Ring and Michelson Interferometer * Interference Filter	24/8/19 28/9/19

School of Aeronautics (Amravati)

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

M.S. SAIVI

B.Tech. Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Physics-I	Reg.No. 1545 PRINIV VERMA B-20	Plane circular and elliptical polarized light * Light on the bases of electrical vector * Malus law * Polarization of light and their types * Method of production plane polarized light	31/8/19
05	Physics-I	Reg.No. 1548 DAIR CHYRAMAN B-20	Double refraction of light * Calcite crystal * Optical axis * Nicole prism * Hygiene's theory of double Refraction * Phase Retardation plate	31/8/19
06	Physics-I	Reg.No. 1550 ANIRUDH SHARMA B-20	Production of light * Detection of light * Analysis of polarized light * Optical activity * Conventional polarimeter * Half shade bi-quartz's devised	31/8/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
07	Physics-I	Reg. No. 1570 DEEP YADAV B-18	Single slit diffraction <ul style="list-style-type: none"> * Quantitative description of single slit * Position of maxima, minima and width of central maximum * Intensity variation 	07/09/19
08	Physics-I	Reg. No. 1528 RANJAY kumar B-18	Diffraction Grating <ul style="list-style-type: none"> * Construction and theory * Formation of spectrum by plane transmission Grating * Determination of wavelengths of light using plane transmission Grating. 	07/09/19
09	Physics-I	Reg. No. 1578 ANIL SINGH B-18	Resolving Power <ul style="list-style-type: none"> * Geometrical and spectral * Raleigh criterion * Resolving power of diffraction Grating and Telescope. 	07/09/19
10	Physics-I	Reg. No. 1566 POLA RAO B-20	Bonding in solids elements of material Science <ul style="list-style-type: none"> * Covalent Bonding and Metallic Bonding * Classification of solid as insulator, conductor and semiconductor 	14/09/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Physics-I	Reg.No. 1569 NAMAN CHAVHAN B-20	Semiconductor * Conductivity in Semiconductor * Determination of energy gap in semiconductor * X-Ray diffraction and bragg's law	14/9/19
12	Physics-I	Reg. no. 1575 MOHAMMAD AHAMMAD B-20	Halo-Effect * Theory, hall coefficient and Application	14/9/19
13	Physics-I	Reg.No. 1590 MANISH B-18	Postulates of special theory of relativity Classical and special theory of relativity Introduction to special theory of relativity.	21/9/19
14	Physics-I	Reg.No. 1593 TRITH PANDYA B-18	Lorentz's Transformation * Theory, working and construction * Application of Lorenz's Transformation * Relativity of length, mass and time	21/9/19
15	Physics-I	Reg.No. 1596 VEDANT SHARMA B-18	Relativity, velocity addition Mass-energy relation Relativity, energy and momentum	21/9/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Basic Electrical Engg.	Reg.No. 1535 KRISHNA NARASIMHAN B-20 Reg.No. 1582 ABHISHEK B-18 Reg.No. 1538 PRADUMA VERMA B-20 Reg.No. 1584 GUNEWALA MANISH K B-18	Semiconductor * Introduction * Types of semiconductor * Properties * Effects of doping	24/8/19 14/09/19 24/8/19
02	Basic Electrical Engg.	Reg.No. 1542 SHUBHAM SAGAR B-20 Reg.No. 1588 HIMANSHU VIJ B-18 Reg.No. 1552 CHIRAN KHARWAL B-18 Reg.No. 1604 TATHAGAT KUMAR B-18	PN Junction * Introduction * Depletion layer formation * Properties * Effects of doping	14/09/19 24/8/19
03	Basic Electrical Engg.	Reg.No. 1542 SHUBHAM SAGAR B-20 Reg.No. 1588 HIMANSHU VIJ B-18 Reg.No. 1552 CHIRAN KHARWAL B-18 Reg.No. 1604 TATHAGAT KUMAR B-18	Bipolar junction transistor * Introduction * Types of BJT * Regions of BJT * Configuration of BJT * Applications and modes of BJT	24/8/19 14/09/19 31/8/19
04	Basic Electrical Engg.	Reg.No. 1542 SHUBHAM SAGAR B-20 Reg.No. 1588 HIMANSHU VIJ B-18 Reg.No. 1552 CHIRAN KHARWAL B-18 Reg.No. 1604 TATHAGAT KUMAR B-18	IC * Introduction * Types of IC * Properties * Specifications * Applications	28/9/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Basic Electrical Engg	Reg. no. 1557 ARHISHIK KUMAR B-18 Reg. no. 1577 SANSKAR KASHYAP B-20	Network Sources * What is Network * Types of network sources * Voltage source & its circuit * Current source & its circuit * Dependent sources & its circuit * Source conversion & its method * Zero source & its circuit	31/8/19 21/9/19
06	Basic Electrical Engg	Reg. no. 1568 SONU VERMA B-18 Reg. no. 1581 AMAN DHIMAN B-18	reduction methods * Kirchoff's Laws * KCL * KVL * Node voltage method * Mesh current method * Comparison method * Conclusion	31/8/19 21/9/19
07	Basic Electrical Engg	Reg. no. 1553 KUSHI PRYA B-20 Reg. no. 1586 MD ANAS B-20	Circuit reduction theorems * Superposition theorems * Thevenin's theorems * Norton's theorem * Maximum power transfer theorem * Application of theorems in dependent source	07/9/19 21/9/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Basic Electrical Engg	Reg.No. 1556 VRITIKA RAS B-20 Reg.No. 1607 NIHARIKA SURI B-18	Electrical Machines * Introduction to Machines * Types of Electrical Machines * DC Machines * Working principle - Types - AC Machines * Working principle - Types * Application of AC & DC Machines * Comparison of AC & DC Machines	07/09/19 28/9/19
09	Basic Electrical Engg	Reg.No. 1560 NIKHIL GOHA B-20 Reg.No. 1609 SHARMILA B-18	DC Machine * Introduction * Working principle of DC Machines * DC Generator * DC Motor * Application of DC Generator & motor	07/09/19 28/9/19

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Ms. Vijay Laxmi Verma

B.Tech. Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Chemistry	Reg.no. 1598 PUNDIR TUSHAR S. B-19	Classification of Fuels * Solid Fuels * Liquid Fuels * Gaseous Fuels	24/8/19
02	Engineering Chemistry	Reg.no. 1608 DEEPAK CHOUDHARY B-19	Carbonization Process * Auto Hoffemann's Method * Beehive Method	24/8/19
03	Engineering Chemistry	Reg.no. 1617 AMAM KHAN B-19	General Properties of Fuels * Cracking * Knocking/Antiknocking * Octane No/cetane No * Reforming	24/8/19
04	Engineering Chemistry	Reg.no. 1601 ADARSH AMAND B-MTS	Manufacturing of Synthetic Petrol * Bergious Process * Fisher Tropes Process	31/8/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Engineering Chemistry	Reg. No. 1610 SOURAV KUMAR MT-5	Fuel Analysis * Ultimate Analysis * Proximate Analysis	31/8/19
06	Engineering Chemistry	Reg. No. 1614 BHUVAN PARMAR MT-5	Determination of calorific Value * Bomb Calorimeter * Junker's Calorimeter	31/8/19
07	Engineering Chemistry	Reg. No. 1618 MANISH PATEL B-19	Calculation of calorific value * By Doling Petit's Formula * By other Method * Flue gas analysis by roast Apparatus	07/9/19
08	Engineering Chemistry	Reg. No. 1621 SHARAL DARSHAN B-19	Polymers classification * Explain on the basis of Origin * Monomeric Units * Mechanisms * Based on Structure etc.	07/9/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Engineering Chemistry	Reg. No. 1629 ARVIND MITENA B-19	Mechanisms for Polymerization * Addition - Cationic - Anionic - Free Radical * Condensation * Coordination Polymerization (Ziegler-Natta catalyst)	07/09/19
10	Engineering Chemistry	Reg. No. 1537 SHIVAM PANDWAR B-19	Applications of Polymers * SBR * NBR * Butyl Rubber * Neoprene Rubber	14/09/19
11	Engineering Chemistry	Reg. No. 1583 RANUL KIRI B-19	Organic Electronic Materials * Polyethylene * Polypyrroles * Polyaniline * Polyphenylene vinylene	14/09/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Engineering Chemistry	Reg. No. 1531 SHUBHAM CHOUH- -ARY B-19	Cements * Manufacturing of cement * Applications * Setting & hoarding of cement.	14/9/19
13	Engineering Chemistry	Reg. No. 1547 SHIVAM KOLI B-19	Glass * Manufacturing * Types of glass * Importance of Annealing in glass manufacturing process	21/9/19
14	Engineering Chemistry	Reg. No. 1559 VIJAY PANDY B-19	Fiber (optical) glass * Manufacturing * Fabrication * Constructions * Industrial Applications	21/09/19
15	Engineering Chemistry	Reg. No. 1638 HARSH VERMA B-19	Silicate Glasses * Types of Silicate glasses * Applications	21/9/19

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
16	Engineering Chemistry	Reg.No. 1562 JAISWAL MUKESH B-19	Refractory * Definition * Classification * Requisites of good refractories	28/9/19
17	Engineering Chemistry	Reg.No. 1526 JOGI VARUN KESHAV B-19	Silica/Fireclay refractories * Silica Manufacturing * Fireclay Refractory * Application/Preparations	28/9/19
18	Engineering Chemistry		Segar cone & RUL Test * Explanation of Segar cone * Refractory under load	
19	Engineering Chemistry		Classification of Lubricates * Solid * Semisolid * Liquid	