

LESSON PLAN (Odd Semester) Session 2020-21

B.A./B.Sc(Med)/~~(N.Med)~~/BBA
 Class: ~~B.Com.~~ Sem.-2nd Subject: PHYSICS
 B.Sc.

| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|---|-------------------------------------|--|
| | 5.4.21 to 31.7.21 | | | |
| LAXMIKANT | 5.4.21 to 15.4.21 | <u>Paper-I (Unit-1)</u> : Energy Bands in Solids, P-n Junction Diode, Zener Diode, Photodiode, Solar Cell, Rectifier, Filter Circuits. | | |
| | 16.4.21 to 30.4.21 | <u>(Unit-2)</u> : NPN & PNP Transistors, C-B, C-E & C-C modes, Constants & their Relation, D.C load line, Transistor Biasing. | | |
| | 1.5.21 to 15.5.21 | <u>(Unit-3)</u> : Amplifiers, Coupling, R-C coupled Amplifier, Feed Back in Amplifiers, Emitter Follower, Distortion in Amplifiers. | | Assignment Paper-I. |
| | 16.5.21 to 31.5.21 | <u>(Unit-4)</u> : Oscillators Classification, Condition for self sustained oscillation, Hartley Oscillator, C.R.O (Principle & working). | | |
| | 1.6.21 to 15.6.21 | <u>Paper-II (Unit-1)</u> : Rotation of Rigid Body, Th.M of I & II axis, M.I of solid & hollow sphere, Fly wheel, M.I. of an Irregular Body. | | Test Paper (I & II) |
| | 16.6.21 to 30.6.21 | <u>(Unit-2)</u> : Elasticity, Stress & Strain, Maxwell's Needle, Bending of Beam, Cantilever, Searle's Method. | | |
| | 1.7.21 to 15.7.21 | <u>(Unit-3)</u> : Assumption of K.T of Gases, Ideal Gas Eqn, Degree of freedom, Real Gas, Vander Waal's Eqn. | | Assignment Paper-II |
| | 16.7.21 to 31.7.21 | <u>(Unit-4)</u> : - Maxwell's dist. of speed & velocity, Most Prob. Avg. & r.m.s speed, Transp. of Energy, Diffusion of Gases. | | |
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15/4/2021

LESSON PLAN (Odd Semester) Session 2020-21

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B.A./B.Sc(Med)/B.Med)/(BBA & B.Com)
 Class: B. Com. Sem.- 2nd Subject: (A) (C) •
 & B.B.A EVS

| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|---|-------------------------------------|--|
| | 5.4.21 to 31.7.21 | | | |
| LAXMIKANT | 5.4.21 to 15.4.21 | Unit:1 - Prin. & Sign. of EVS, Abiotic & Biotic spheres, Litho & Biosphere, Need of Awareness | | |
| | 16.4.21 to 30.4.21 | Sustainable Development: Definition, Concept, Tenets, Ecology, Environment & Society. | | |
| | 1.5.21 to 15.5.21 | Unit-2: Energy Resources, Fossil fuel & their Reserves, Impacts, Renewable Energy Resources. | | |
| | 16.5.21 to 31.5.21 | Scope & Adv., Solar and wind Energy, Hydroelectric Energy, Non conv. Energy Resources. | | Assignment |
| | 1.6.21 to 15.6.21 | Unit-3: Forest Resources, Use & overExploitation, Cause and consequences, Afforestation. | | Test |
| | 16.6.21 to 30.6.21 | Water Resources, Use & overutilization, floods, dams Benefits, Harvesting. | | |
| | 1.7.21 to 15.7.21 | Unit-4: Physical & Mental Health, factors; Management, Drugs & their Effects. | | |
| | 16.7.21 to 31.7.21 | Legal Position on Drugs, NDPS, Role & Responsibilities, Awareness Programms. | | |
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LESSON PLAN (Odd Semester) Session 2020-21

B.A./B.Sc(Med)/[✓](N.med)/BBA

Class: ~~B.Com.~~ Sem.- 4th Subject: PHYSICS

B.Sc

| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|--|-------------------------------------|--|
| | 3.3.21 to 30.6.21 | | | |
| LAXMIKANT | 3.3.21 to 15.3.21 | Paper I (Unit 1): Types of Polariz. Double Repr. Nicol Prism, Fresnel's Theory, Polarimeters & Types. | | |
| | 16.3.21 to 31.3.21 | Unit 2): Fourier Thm & Series, even & odd fnc. Applications, Half & Full wave rectifier, Fourier Integral | | |
| | 1.4.21 to 15.4.21 | Unit 3): Fourier Transforms & its properties, Applications, Matrix methods, Derivation of Lens formulae, Nodal planes. | | Assignment Paper I |
| | 16.4.21 to 30.4.21 | Unit 4): Aberrations & Types, optical Fibres, Modes of Prop. Pulse disp., Applications. | | |
| | 1.5.21 to 15.5.21 | Paper-2 (Unit 1): Prob. & Types, Tossing of Coins, Distribution of Particles, Boltzmann's Relation. | | Test Paper (I & II) |
| | 16.5.21 to 31.5.21 | Unit-2): Phase Space, M.B. statistics, Speed and Velocity distribution laws. | | |
| | 1.6.21 to 15.6.21 | Unit 3): B.E. energy dist. Law, F.D energy dist. Law, zero point Energy, Comparison. | | Assignment Paper-II |
| | 16.6.21 to 30.6.21 | Unit 4): Dulong & Petit law, Sp. heat, Debye model, shortcomings & Comparison. | | |
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LESSON PLAN (Odd Semester) Session 2020-21

B.A./B.Sc(Med)/[✓](N.Med)/BBA

Class: ~~B.Com.~~ Sem.- 6th Subject: PHYSICS

B.Sc

| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|--|-------------------------------------|--|
| | S.3.21 to 30.6.21 | | | |
| LAXMIKANT | S.3.21 to 15.3.21 | Paper 1 (Unit 1): Types of Solids, liquid crystals, symmetry oper. Crystal planes & Miller Indices, Crystal structures. | | |
| | 16.3.21 to 31.3.21 | (Unit 2): X-Ray diff., Bragg's law, Reciprocal Lattice: Vectors, Reciprocal Lattice to simple, Body Centred & F.C. cubic. | | |
| | 1.4.21 to 15.4.21 | (Unit 3): Superconductivity, Meissner Effect, London Theory, BCS Theory, Applications, | | Assignment Paper I |
| | 16.4.21 to 30.4.21 | (Unit 4): Definition, Importance, Benefits & Challenges, Mol. Assemb. Concept, Applications of Nano Tech. | | |
| | 1.5.21 to 15.5.21 | Paper 2 (Unit 1): Emission & Abs. Spectra, Spectrum of H atom, Bohr's Theory, Transition Prob. & selection Rule. | | Test Paper (I & II) |
| | 16.5.21 to 31.5.21 | (Unit 2): Bohr magneton, Larmor's Precession, Pen. & Non-Pen. Orbits, Hydrogen fine Spectra, Comp. of Alkali and Hydrogen Spectra. | | |
| | 1.6.21 to 15.6.21 | (Unit 3): Vector model, Coupling schemes, Pauli Principal, Two Valance e ⁻ system, Hyper-fine structure, Nuclear spin. | | Assignment Paper II |
| | 16.6.21 to 30.6.21 | (Unit 4): Zeeman Effect, Zeeman Effect for D ₁ & D ₂ lines, Paschan Back Effect, Vib. spec: Raman Effect, Elec. Spectra. | | |
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D. S. Srinivas
15/4/2021

LESSON PLAN (Odd Semester) Session 2020-21

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B.A. (B.Sc. (Med.) / (N.Med.) / BBA

Class: ~~B.Com.~~ Sem.- 6th Subject: E.V.S

B.A


| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|--|-------------------------------------|--|
| | 5.3.21 to 30.6.21 | | | |
| LAXMIKANT | 5.3.21 to 15.3.21 | Unit-1 : India's Ancient Traditions, Const. Provisions, for Protection of Environment | | |
| | 16.3.21 to 31.3.21 | Environment Protection Act 1986, National Green Tribunal Act 2010, Green Bench, Child Labour | | |
| | 1.4.21 to 15.4.21 | Unit-2 : Importance & Com. Needs, IUCN, National Parks, Biosphere Reserve. | | |
| | 16.4.21 to 30.4.21 | wildlife Sanctuaries, Efforts of Biodiversity, Govt & Non-Government Organizations | | Assignment |
| | 1.5.21 to 15.5.21 | Unit-3 : Causes & Effects, Disaster, Preparedness, Community Based Planning. | | Test |
| | 16.5.21 to 31.5.21 | NDRF, Role of mass media, Post Disaster Recovery measures, long term Planning. | | |
| | 1.6.21 to 15.6.21 | Unit-4 : Demography, Family welfare prog., Self Help Grp. Chipko, Appiko. | | |
| | 16.6.21 to 30.6.21 | Save Silent Valley, Eco-feminism, Govt. Actions, National Mission, NMCG. | | |
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LESSON PLAN (Odd Semester) Session 2020-21

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 C.C.D)
 B.A./B.Sc(Med)/N.Med)/BBA
 Class: B-Com. Sem.- 6th Subject: EVS
 B.A

| Name of Assistant / Associate Professor | Period | Topics to be covered | Academic activities to be organized | Topic of Assignments / Tests to be given to the students |
|---|--------------------------|---|-------------------------------------|--|
| | 6.3.21 to 30.6.21 | | | |
| LAXMIKANT | 6.3.21 to 15.3.21 | UNIT-1: India's Ancient Traditions, Const. Provisions, For Protection of Environment | | |
| | 16.3.21 to 31.3.21 | Environment Protection Act 1986, National Green Tribunal Act 2010, Green Bench, Child Labour. | | |
| | 1.4.21 to 15.4.21 | Unit-2: Importance & Conservation Needs, IUCN, National Parks, Biosphere Reserve. | | |
| | 16.4.21 to 30.4.21 | Wildlife Sanctuaries, Efforts of Biodiversity, Government & Non-Gov. Organizations. | | Assignment |
| | 1.5.21 to 15.5.21 | Unit-3: Causes & Effects, Disaster Preparedness, Community based Planning. | | Test |
| | 16.5.21 to 31.5.21 | NDRF, Role of mass media Post disaster Recovery measures, long term Planning | | |
| | 1.6.21 to 15.6.21 | Unit-4: Demography, Family welfare Programmes, Self Help Groups, Chipko, Appiko. | | |
| | 16.6.21 to 30.6.21 | Save silent Valley, Eco-feminism, Govt. Actions, National Mission, NMCC. | | |
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