LESSON PLAN

MSc. Physics , Semester III

Semester III	CONDENSED MATTER PHYSICS-I
August	Bloch theorem, the Kronig-Penney model, zone schemes, effective mass of electron, nearly free electron model, tight binding approximation, OPW method, pseudo potential method, conductors semiconductors insulators
September	Bragg Law, Reciprocal lattice vectors, Structure factor, Form factor ,Forces between atom: ionic bonding, cohesive energy of ionic crystal, evaluation of Madelung constant of NaCl structure, covalent bonding, metallic bonding, hydrogen bonding, van der waals bonding ,Stress components, displacement and strain components, work done by elastic forces in a solid, reduction of no. of elastic constant due to existence of potential of elastic forces. Elastic stiffness constant for isotropic body, elastic waves, waves in [100] and [110] directions Dynamics of the chain of identical atoms, dynamics of a diatomic linear chain, dynamics of identical atoms in three dimensions, experimental measurements of dispersion relations, anharmonicity and thermal expansion.
October	Electronic transport from classical kinetic theory; Boltzmann transport equation, electrical conductivity, calculation of relaxation time in metals, thermal conductivity of metals and insulators, thermoelectric effects; Hall effect and magnetoresistance; Transport in semiconductors
November	Polarization mechanisms, Dielectric function from oscillator strength, dielectric constant and its measurements, ploarizability, the classical theory of electronic ploarizabilty, Clausius-Mosotti relation; dipolar polarizability. Piezo- pyro and ferroelectric properties of crystals, ferroelectricity, ferroelectric domain, antiferroelectricity and ferrielectricity
December	**University Exams**

Bhupati

Semester III	CLASSICAL ELECTRODYNAMICS II
August	Postulates of Special theory of Relativity, Interval, Lorentz transformation as orthogonal transformation in 4-dimension,Four velocity and Four acceleration, relativistic equation of motion: Minkowski force, Four momentum, applications of energy momentum conservation : Disintegration of a particle, C.M. System and reaction thresholds.
September	Non-relativistic motion in uniform constant fields: Constant uniform electric field, Constant uniform magnetic field, Crossed uniform and constant electric and magnetic fields. Non-relativistic motion of a charged particle in a slowly varying magnetic field : Time varying magnetic field, Space varying magnetic field, Gradient Drift, Curvature Drift. Adiabatic magnetic field invariance of flux through an orbit, magnetic mirroring, Relativistic motion of a charged particle: Constant magnetic field, Constant electric field Electromagnetic Field of a plane wave.
October	Four vectors in Electrodynamics, 4 current density, 4-potential, covariant continuity equation, wave equation, covariance of Maxwell equations. Electromagnetic field tensor, transformation of EM fields. Invariants of the EM fields. Energy momentum tensor of the EM fields and the conservation laws. Lagrangian and Hamiltonian of a charged particle in an EM field
November	: Lienard-Wiechert Potentials, Field of a charge in arbitrary motion and uniform motion, Radiated power from an accelerated charge at low velocities-LarmourPower formula. Radiation from a charged particle with collinear velocity and acceleration. Radiation from a charged particle in a circular orbit, Radiation from an ultra-relativistic particle, Radiation reaction. Line-width and level shift of an oscillator. Thomson scattering, Rayleigh scattering, absorption of radiation by bound electron.
December	**University Exams**

Bhagwanti

Semester III	QUANTUM MECHANICS II
August	Scattering Cross-section and scattering amplitude, partial wave analysis, Low energy scattering, Green's function in scattering theory, Born approximation and its application to Yukawa potential and other simple potentials. Electron scattering by an atom, Optical theorem, Scattering of identical particles.
September	Klein- Gordon equation, Dirac equation and its plane wave solution , significance of negative energy solutions, spin angular momentum of the Dirac particle, nonrelativistic limit of Dirac equation. Electron in electromagnetic fields, spin magnetic moment. spinorbit interaction, Dirac equation fora particle in a central field. Fine structure of hydrogen atom, Lamb shift.
October	Resume of Lagrangian and Hamiltonian formalism of a classical field. Second quantization: Concepts and illustrations with Schroedinger field. Quantization of a real scalar field and its application to one meson exchange potential.
November	Quantization of a complex scalar field. Dirac field and e.m. field. Commutation relations. Covariant perturbation theory. Introduction to Feynman Diagrams.
December	**University Exams**

LESSON PLAN

MSC Physics Semester 3rd and 4th

Semester 3rd	Nuclear Physics 1
August	Global nuclear properties Systematics in nuclear masses and binding energies, Nuclear sizes, Methods to determine nuclear radii, Nuclear electric and magnetic multipole moments, Quantum properties of nuclear states.Nuclear Reactions Types of nuclear reactions, Coulomb barrier, Conversation laws, nuclear reaction kinematics and Q-value, Laboratory and Centre of mass coordinates and their relationship, Reaction cross section, Classical analysis of cross section, Partial wave analysis, thick target yield.
September	Radio Active Decays, Kinematics of alpha-decay (HYDE), naturally occurring decay chains, Range of alpha particles (Bragg Curve), Geiger-Nuttal law, Gammow's theory of alpha decay, Cluster decay. Beta decays : β-, β+ and electron capture decays, Energy relations and Q-values in beta decays, Fermi theory of beta decay, Kurie plots, Comparative half-life, Classification of beta transitions, selection rules for allowed and forbidden transitions, violation of parity conservation, Wu-Ambler experiment, helicity of electron and of neutrino.Electric and magnetic multipole gamma transitions, selection rules, Internal Conversion process, Transition rates, directional correlation in gamma emission.
October	Nuclear Forces- Two-nucleon interaction potential, Ground state of deuteron, excited states of deuteron, magnetic dipole and electric quadrupole moment of deuteron and tensor forces.Neutron-proton (n-p) scattering at low energies, Scattering length, spin dependence, Effective range theory in n-p scattering, Coherent and incoherent scattering, tensor forces, proton-proton (p-p) scattering at low energy, comparison of n-p and p-p scattering
November	Nuclear Forces- Two-nucleon interaction potential,

Bhupendra

	Ground state of deuteron, excited states of deuteron, magnetic dipole and electric quadrupole moment of deuteron and tensor forces.Neutron-proton (n-p) scattering at low energies, Scattering length, spin dependence, Effective range theory in n-p scattering, Coherent and incoherent scattering, tensor forces, proton-proton (p-p) scattering at low energy, comparison of n-p and p-p scattering.
December	**University Exams**
Semester IVth	**Nuclear Physics II**
January	Nuclear Shell Model: Coupling of angular momentum - C.G. Coefficients and Racah Coefficients. Evidence for nuclear shell structure, Extreme single particle model with square-well and harmonic oscillator potentials, spin-orbit potential, Shell model predictions.Single-particle model, total spin for various configurations, Nuclear isomerism, Magnetic moment-Schmidt lines, electric quadrupole moment,Configuration mixing, Independent particle model, L-S coupling and jj coupling schemes.
February	Collective Model of Nucleus: Rotation - D Matrices, Parameterization of nuclear surface, Collective surface oscillations, Derivation of the collective hamiltonian,transformation to body-fixed frame. Collective modes of motion, Nuclear vibrations, β and γ vibrations in spheroidal nucleus and associated energy spectra, Iso-scalar vibrations, Giant resonances. Brief overview supported by examples - Deformed rotational nuclei, rotational energy spectra for even-even nuclei and odd-A nuclei, decoupling parameter, Electric quadrupole moment and magnetic dipole moment, E2 and M1 transition probabilities, Energy spectrum with coupling of vibration and rotational motion.
March	Nuclear reactions, Resonance: Breit-Wigner Dispersion Formula, Compound Nucleus, cross section for formation of compound nucleus, Statistical theory of nuclear reactions. Optical model for nuclear reactions at low energies, comparison with experiments. Direct Reactions - Kinematics of stripping and pick-up reactions, theory of stripping and pick-up reactions.
April	Harmonic anisotropic oscillator, Nilsson model. Rotational motion at very high spins, Population of high spin states, Cranking shell model, Signature quantum number, Backbending phenomenon, Kinematics and dynamic moment of inertia.

	Brief reviews - Nuclear Physics at extremes of stability, nuclear halos, proton rich nuclei, Radioactive ion beams, Production of superheavy nuclei.
May	Revision of Important Topics
June	**University Exams**

LESSON PLAN

Particle Physics and Experimental techniques in Physics

Semester III	**Particle Physics I**
August	Introduction : Fermions and Bosons, particles and antiparticles, quarks and leptons, interactions and fields in particles physics, classical and quantum pictures. Yukawa Picture, types of interactions-electromagnetic, weak, strong and gravitational, Natural unit.
September	Invariance Principles and Conservation Laws: Invariance in classical mechanics and in quantum mechanics, parity, pion parity, Charge conjugation, Positronium decay, Time reversal invariance, CPT theorem. Hadron-Hadron Interactions: Cross section and decay rates, Pion spin, Isospin, Two nucleon system, Pion-nucleon system, Strangeness and Isospin , G-parity, Total and Elastics cross section, Particle Production at high energy.

October	Relativistic Kinematics and Phase Space: Introduction to relativistic kinematics. Dalitz K-3π decay, Dalitz plots for dissimilar particles. □-θ puzzle. Wave optical discussion of hadron scattering, Breit – Wigner response formula, Example of baryon resonance-Δ++. Mandelstem variables. Static Quark Model of Hadrons: The Baryon decuplet, baryon octet, meson octet, quark spin and color, quark-antiquark combination.
November	Weak Interaction : Classification of weak interactions, Fermi theory, Cabibbo theory, Parity non-conservation in ß-decay, experimental determination of parity violation. Helicity of neutrino, CP violation in K- decay and its experimental Determination.
December	**University Exams**
Semester IV	**Experimental Techniques in physics**
January	Interaction of gamma-rays, electrons, heavy charged particles, neutrons, neutrinos and other particles with matter. Radiation detectors - energy resolution, detection efficiency and dead time. Statistics and treatment of experimental data, precision and accuracy, error analysis, propagation of errors, Statistical treatment of experimental data. Least squares fitting of linear and nonlinear functions, chi-square test, Binomial, Poisson and Gaussian distributions
February	Gas-filled detectors, Proportional counters, space charge effects, position-sensitive proportional counters. Organic and inorganic scintillators and their characteristics, light collection and coupling to photomultiplier tubes and photodiodes, description of electron and gamma ray spectra from scintillation detector, Cherenkov detector.Semiconductor detectors in X- and gamma-ray spectroscopy, Charge production and collection processes, Pulse height spectrum,Detection of fast and slow neutrons - nuclear reactions for neutron detection. General Background and detector shielding. Beta ray spectrometer.
March	Electronics associated with detectors : Pulse height analysis - Electronics for pulse signal processing, Pulse shaping, pole-zero cancellation, preamplifiers (voltage and charge-sensitive configurations), Linear amplifiers, Single-channel analyser, multichannel analyzer.Basic considerations in time measurements, Walk and jitter, Time pickoff methods, Gamma-gamma coincidence set up. Electronics and experimental methods: Classification of Transducers - temperature, pressure, magnetic field, vibrational, optical - LVDT, strain gauge, piezoelectric, Hall

	effect type, magneto-restrictive, electromechanical, capacitive, Lock-in-detector, Box car integrator.
April	Preparation of Thin films – (Brief account) Physiochemical method, Laser ablation, evaporation, sputtering, beam epitaxial Characterization techniques, XRD, TEM, SEM, AFM, STM, DSC, measurement of specific and thermal conductivity
May	Revision of Important Topics
June	**University Exams**

LESSON PLAN

MSc. Physics , Semester IV

Semester IV	CONDENSED MATTER PHYSICS II
January	Propagation of light in isotropic solids, propagation of light in conducting media, absorption processes, photo conductivity, luminescence. Piezoeletricity and ferroeletricity.
February	Dia- and para-magnetism in materials, Pauli paramagnetism, Ferromagnetism, Heisenberg Hamiltonian and resume of the results; Antiferomagnestim, Ferrimagnetism, ferrites, spin waves, specific heat - Bloch law, Magnons
March	Source of superconductivity, response of magnetic field, the Meissner effect, Type I and Type II superconductors; thermodynamics of superconducting transitions, origin of energy gap, iosotope effect, London equatios, London penetration depth, coherence length, elements of BCS theory, flux quantization, normal tunneling and Josephson effect, high Tc superconductors.
April	Point Imperfections, concentration of point imperfections, line imperfections, Burgers vector and circuit, presence of dislocation, dislocation motion, energy of a dislocation, slip planes and slip directions, surface imperfections. Types of liquid crystals, classification, calamitic thermotropic liquid crystals, lyotropic liquid crystals, mesogenic materials
May	**University Exams**

Semester IV	ATOMIC AND MOLECULAR PHYSICS
January	Vector model for one and two valance electron atoms; Spin-orbit interaction and fine structure of hydrogen, Lamb shift, Spectroscopic notations for L-S and J-J couplings; Spectra of alkali and alkaline earth metals; Interaction energy in L-S and J-J coupling for two electron systems; Selection and Intensity rules for doublets and triplets. Exchange symmetry of atomic wavefunctions and Pauli's principle.
February	Natural breadth of spectral line, Line broadening mechanisms, The Zeeman Effect for two electron systems; Intensity rules for the Zeeman effect; The calculations of Zeeman patterns; Paschen-Back effect; LS coupling and Paschen-Back effect; Lande's factor in LS coupling; Stark effect. Lasers: Temporal and spatial coherence, Spontaneous and stimulated emission, rate equation, Mode of resonator and coherence length, He-Ne laser, Nitrogen laser, CO2 laser, Ruby laser.
March	Molecular spectra, symmetric structures, Rotational spectra of diatomic molecules as a rigid and non-rigid rotator, Intensity of rotational lines, Effect of isotopic substitution, Vibrating diatomic molecule as a simple harmonic and an anharmonic oscillator, Diatomic vibrating rotator, The vibration-rotation spectrum of carbon monoxide, The interaction of rotation and vibrations. Rotational Raman spectra for diatomic molecules, Vibrational Raman spectra, Electronic structure of diatomic molecule, Electronic spectra of diatomic molecules, Frank-Condon principle. Born-Oppenheimer approximation, Rotational and Vibrational structures in electronic transitions of diatomic molecules, selection rules
April	(Brief account) Atomic Absorption and emission Spectrometers, UV-Vis Spectrometer, Outline of technique and instrumentation, Fourier transform spectroscopy and FTIR Spectrometer, Raman Spectrometer, Electron spin resonance, Nuclear magnetic resonance. Inner-shell ionization and vacancy decay mechanisms, Radiative and Auger transitions, Mosley's law, Selection rules, X-ray spectra, X-ray fluorescence spectrometer
May	**University Exams**

Bhupendra

MINUTES OF MEETING – GEOGRAPHY DEPARTMENT

Translated

March 25, 2022

Professor Punam Mahajan held a meeting with other staff members of the department and discussed on making and working of Geography society

Prof. Poonam Mahajan (HOD)

Prof. Bhola Nath

Prof. Rajinder Kaur

Prof. Amandeep Kaur

25 ਮਾਰਚ 2022 :-

ਡਾ ਪੁਰਸ਼ਮ ਭਗਵਤ (ਮੰਤਰੀ ਵਿਭਾਗ) ਜੀ ਦੇ ਵਿਭਾਗ ਦੇ ਵਿਚ ਸਾਰੇ ਸਟਾਫ ਦੇ ਮੈਂਬਰਾਂ ਲਈ ਮੀਟਿੰਗ ਰੱਖੀ ਗਈ। ਜਿਸ ਦੇ ਵਿਚ ਵਿਭਾਗ ਦੀ ਸਕਿਊਰਿਟੀ ਦਾ ਗਰਮ ਵਕਤ ਸਬੰਧੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕੀਤਾ ਗਿਆ।

ਮੀਟਿੰਗ ਵਿਚ ਸ਼ਾਮਲ ਮੈਂਬਰਾਂ ਦੇ ਨਾਂ:-

1. ਡਾ ਪੁਰਸ਼ਮ ਭਗਵਤ (ਮੰਤਰੀ)
2. ਸ਼੍ਰੀ: ਉੱਤਮ ਰਾਜ
3. ਸ਼੍ਰੀ: ਗਸਿੰਦਰ ਕੌਰ
4. ਸ਼੍ਰੀ: ਸਮਤਦੀਪ ਕੌਰ

March 30, 2022

A department meeting was held to discuss the Map Filling activity and competition to be held on March 31, 2022. Different duties were assigned to all the members of this staff to make this activity successful.

Prof. Poonam Mahajan

Prof. Bhola Nath

Prof. Rajinder Kaur

Prof. Amandeep Kaur

30 ਮਾਰਚ 2022:- ਡਾ. ਪੂਨਮ ਮਹਾਜਨ (ਮੁਖੀ ਵਿਭਾਗ) ਜੀ ਨੇ ਵਿਭਾਗ ਦੇ ਵਿੱਚ 31.03.2022 ਨੂੰ Meeting ਮੁਕਾਬਲਾ ਲਈ ਪੀ.ਜੀ. ਕਲਾਸ ਮੱਧ ਕਰਵਾਉਣ ਦੇ ਸਬੰਧੀ ਸਾਰੇ ਸਟਾਫ ਦੇ ਨਾਲ ਮੀਟਿੰਗ ਕੀਤੀ ਅਤੇ ਇਸ ਮੁਕਾਬਲੇ ਦੇ ਸਬੰਧਿਤ ਸਾਰੇ ਸਟਾਫ ਦੀਆਂ ਡਿਊਟੀਆਂ ਵੀ ਤੈਅ ਕੀਤੀਆਂ ਗਈਆਂ। ਜਿਸ ਵਿੱਚ ਮੁਕਾਬਲੇ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ, ਮੰਚ ਚਲਾਉਣ, ਬੱਚਿਆਂ ਤੋਂ ਤਰਵਾਉਣ। ਚੈੱਕ ਕਰਨ ਸਬੰਧੀ ਡਿਊਟੀ ਪ੍ਰੋ. ਰਜਿੰਦਰ ਕੌਰ ਅਤੇ ਪ੍ਰੋ. ਅਮਨਦੀਪ ਕੌਰ ਦੀ ਲਗਾਈ ਗਈ। ਪ੍ਰੋ. ਤੇਜ਼ਾ ਲਾਲ ਦੀ ਡਿਊਟੀ ਸਟੇਜ ਸੰਭਾਲਣ ਅਤੇ ਇਨਾਮ ਦੇਣ ਸਬੰਧੀ ਲਗਾਈ ਗਈ। ਅਨੁਸ਼ਾਸਨ ਸਬੰਧੀ ਵੀ ਸਟਾਫ ਨੂੰ ਹਦਾਇਤਾਂ ਦੇ ਦਿੱਤੀਆਂ ਗਈ।

ਮੀਟਿੰਗ ਵਿੱਚ ਮੌਜੂਦਾ ਮੈਂਬਰ:-

1. ਡਾ. ਪੂਨਮ ਮਹਾਜਨ
2. ਪ੍ਰੋ. ਰਜਿੰਦਰ ਕੌਰ
3. ਪ੍ਰੋ. ਅਮਨਦੀਪ ਕੌਰ
4. ਪ੍ਰੋ. ਤੇਜ਼ਾ ਲਾਲ

4 May 2022:- A staff meeting was held on 04-05-2022 by the head of the department to discuss the points regarding the Zonal Level Geographical Quiz C to be held on 07 may 2022 at Govt College of Girls Ludhiana) In this meeting duty of preparation to assigned Prof Rajinder Kaur and for ment with team duty assigned also to same staff member.

Present member in Meeting:-

1. Dr Poonam Mahajan
2. Prof Rajinder Kaur
3. Prof Bhola Nath
4. Prof Amandeep Kaur.

30/May/22 Dr Poonam Mahajan Head of the department held a meeting with all the staff members. Regarding the State Level Quiz (To be held on 02-06-2022) In this meeting teachers were assigned the duties for Quiz.

30/05/22

Present Members in Meeting:-

1. Dr Poonam Mahajan
2. Prof Rajinder Kaur
3. Prof Bhola Nath
4. Prof Amandeep Kaur

5 June 2021 :- Dr Kamal Kishore Head of the Dept held a Online meeting Regarding the extension lecture by Dr Ripudaman Singh (Prof of LPU- Lovely Professional University). The topic of extension Lecture was Remote sensing Applicable for Environmental Challenges.

Brief Dr Kamal Kishore

30 Sept 2021 :- Prof Poonam Mahajan Head of the dept held a staff meeting regarding the time table and work load for teachers.

30/09/2021

17 Dec 2021 :-
Prof Poonam Mahajan Head of the Dept held a staff meeting regarding the online exams

17/12/2021

5 25 Feb 2022 :- Prof Poonam Mahajan Head of the Dept held a staff meeting regarding the beautification of Dept and maintinence the record. In this meeting assigned the duties of teachers.

25/02/2022

Translated

March 5, 2022

Professor Poonam Mahajan head of the department discussed with all present staff members of the department about the important equipments to be bought from GEM portal and prepared a list of them.

Prof. Poonam Mahajan (HOD)

Prof. Bola Nath

Prof. Rajinder Kaur

Prof. Amandeep Kaur

5 March 2022 :- ਪ੍ਰੋ: ਪ੍ਰਤਮ ਸਰਾਜਨ (ਮੁੱਖੀ ਵਿਭਾਗ) ਜੀ ਦੇ ਵਿਭਾਗ ਦੇ ਵਿਚ ਸਾਰੇ ਸਟਾਫ ਮੈਂਬਰਾਂ ਦਾ ਸਾਥ ਵਿਭਾਗ ਦਾ ਜਰੂਰੀ ਸਮਾਨ ਜੋ ਕਿ ਮੇਜ਼ ਚੇਅਰਜ਼ ਦੇ ਮੁਹਾਰ ਪ੍ਰਾਪਤ ਹੋਇਆ ਸੀ। ਉਸ ਦੀ ਸਹੀਪੜੀ ਵਿਚਾਰ-ਵਟਾਂਦਰਾ ਕੀਤਾ ਗਿਆ ਅਤੇ ਇਕ ਲਿਸਟ ਦੀ ਤਿਆਰ ਕੀਤੀ ਗਈ।

ਮੀਟਿੰਗ ਦੇ ਵਿਚ ਸ਼ਾਮਲ ਸਟਾਫ ਮੈਂਬਰ:-

1. ਪ੍ਰੋ: ਪ੍ਰਤਮ ਸਰਾਜਨ 5/3/2022
2. ਪ੍ਰੋ: ਉਪਕਾ ਰਾਣੀ
3. ਪ੍ਰੋ: ਰਜਿੰਦਰ ਕੌਰ
4. ਪ੍ਰੋ: ਸਮਨਦੀਪ ਕੌਰ

March 24 2022

Dr Poonam Mahajan (HOD) held a meeting with other staff members of the department and discussed the following points:-

1. Regarding the attendance of Geography students
2. Encouraged the staff members for research papers and Publications
3. To keep the department notice board updated

Prof. Poonam Mahajan (HOD)

Prof. Bhola Nath

Prof.Rajinder Kaur

Prof. Amandeep Kaur

24 ਮਾਰਚ 2022 : ਡਾ ਪੂਨਮ ਸਹਗਲ (ਮੁੱਖੀ ਵਿਭਾਗ) ਜੀ ਨੇ ਵਿਭਾਗ ਦੀ ਵਿਚ ਸਾਰੇ ਸਟਾਫ਼ ਦੇ ਮੀਟਿੰਗ ਬੁਲਾਈ ਗਈ। ਜਿਸ ਵਿਚ ਹੇਠ ਲਿਖੇ Points Discuss ਕੀਤੇ ਗਏ।

1. ਪੇਪਰਾਂ ਦੇ ਤਾਰੀਖ਼ਾਂ ਸਬੰਧੀ।
2. ਵਿਭਾਗ ਦੇ ਵਿਚ Research papers ਅਤੇ Publications ਦੇ ਬਾਰੇ ਸਟਾਫ਼ ਮੈਂਬਰਾਂ ਦੇ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਗਿਆ।
3. Notice Board ਨੂੰ update ਰੱਖਣ ਸਬੰਧੀ

ਮੀਟਿੰਗ ਵਿਚ ਮੌਜੂਦਾ ਮੈਂਬਰ:-

1. ਡਾ ਪੂਨਮ ਸਹਗਲ (ਮੁੱਖੀ) 24.3.2022
2. ਪ੍ਰੋ: ਉਪਾ ਰਾਣੀ
3. ਪ੍ਰੋ: ਰਵਿੰਦਰ ਕੌਰ Rupa
4. ਪ੍ਰੋ: ਸਮਸਵੀਰ ਕੌਰ Shaw

MINUTES OF MEETING - ECONOMICS DEPARTMENT

Date 18th/July/2021

As our respected Principal Mam is coming to Economics department on 22nd July, 12pm, we plan we give elevenses and bring all eatables from home because of covid restrictions

[signature]

[signature]

[signature]

[signature]

Date 28.....Aug.....2021.....

As per orders of Principal, all teachers are directed to get data of students who have got 1st & 2nd vaccination done in their respective classes. Information to be sent in following format

Class.
Total Students
Students with 1st & 2nd vaccination
Students with only 1st vaccination
~~Only~~ No vaccination

Sajh

Dup

Jp

Mehra

Date 11th / Sept / 1922

It was decided to have pic of Economics council students with Economics faculty on 15th Sept 9.45am

[signature]

[signature]

[signature]

Date 4th Oct 20..

In lieu of orientation program to be held in Sahu Auditorium by DC, all faculty members are requested to put message in respective whats app group of their students

Sayli

Dept Head

Dp

Date 18th July 2021

As our respected Principal Mam is coming to Economics department on 22nd July, 12pm, we plan we give eleventh and being all cadres from home because of covid restrictions

Sayle

2/p

Dept

Date 28/Aug/2021

As per orders of Principal, all teachers are directed to get data of students who have got 1st & 2nd vaccination done in their respective classes. Information to be sent in following format

Class.
Total Students
Students with 1st & 2nd vaccination
Students with only 1st vaccination
~~Only~~ No vaccination

Date 14th Sept 1921

It was decided to have pic of economics council students with economics faculty on 15th sept 9.45 am

Sept

Yours

2pm

Date 4th Oct 2021

In lieu of orientation program to be held in Sahu Auditorium by DC, all faculty members are requested to put message in respective whats app group of their students

Supdt

HP

Date 29th/10th/2021

It was decided to hold online PPT completion for students of M.A. Economics in department at 10 am. All faculty members are requested to judge the competetion

Date ../...1NOV1...2021

Time line was made after discussion with faculty members.

Sayli

Date 22nd JUNE 2021

On account of Prof Jalinder being shifted to Govt College Karkot Following changes were made

Prof Pradeep to take work load of Prof Dupende.

Prof Lakhwade to take Quant class of Prof. Dupende.

Date 8/Dec/2021

As Prof Harman is shyfted to evenny college, so workload to be shyfted among penalty of Economics

Sayle

Yard

Date 14th Jan 2022

Meeting was held for meticulous holding of online final exam of M.A-I & II as per University Guidelines

Date 26th / Feb / 2022

As per orders of Principal, all students of Pg classes to be called on Monday 28th February 2022 at 9.45 am in Sahi Auditorium. Message to be put in all relevant whatsapp groups.

Sayla

Yours

Date 2 March 2022

Time Table made with suggestions of all faculty members

Sayli
2p

Yaveed

Sayli

Date 24/Mar/2022

As per orders of MTS Principal Sir,
Students of PG & UG to be motivated
to come to college for online classes.
Any student who does not come
to college for 10 days consecutively, their
her name to be sent for culling.
Regular assignments to be given to
students
MST proposed from 20th April.

Sayla

Mavi

Date 30th / Mar / 2022

As per meeting with examination branch, following points to be noted

1. MST to be of 40 marks
2. 12 sheets to be given
3. max syllabus to be covered
4. Duration 1 & 1/2 hour
5. Question paper to be submitted till 11th April

Macro Economics → Dr Sayle
Growth & Development → Dr Sayle
Micro Economics → Prof. Gedam
Money & Banking → Prof Gedam
Public Finance → Prof Pradeep
Agriculture Ec → Prof Pradeep
Quantitative Methods → Prof Dupande
Indian Economic Issues → Prof Lokhande
B.A 2nd Sem & 4th Sem → Prof Lokhande
B.A - 6th Sem → Prof Pradeep.

Format

B section → Two Questions (choice of any one) 15 marks each

C section → Same →

Section A → five Questions of two marks each.

Sayle
Gedam Pradeep Dupande

Date 19th April 2022

As per Exam Branch instructions

MST to commence from 25th April 2022.

M.A 2nd Sem		M.A IV Sem	
26th April, 2022	Paper I	25th	Paper I
28th April, 2022	" II	27th	II
30th April, 2022	" III	29th	III
2nd May, 2022	" IV	2nd May	IV
9.30 AM – 11 AM.		11.30 AM – 1 PM	

Venue PGs Building Block C

Students to be informed that it is compulsory to take exam

Max Marks - 40

Time - 1½ hr

Sayles Gulanjan Dr Mrs

Dr

Date 24/5/2022

As per notice by Principal office, following teachers have been ~~allocated~~ for proctorial duty as per given below schedule for maintaining discipline in and around departments

1st Period - Dr Sayla
4th Period - Prof. Geetanjali
6th Period → Prof. Pradeep
3rd Period → Prof Dupinder
5th Period → Prof Labhwinder

Sayla Geetanjali
Pradeep
Dupinder

Date 2nd/7/2022

~~As per notice by~~

Interview was conducted to select new economic council at 10.30 am in economics department.
Prendent, secretary, editor, cultural secretary, technical head and executive members were selected.

Sayla Kabir
Geetanjali
Dept

Date 20th Sept 2022

Power Point Presentation competition was held in Department on topics like Global debt burden, Post covid inflation, Era of cryptocurrency.

1st prize - Laveena
2nd prize → Krishna
3rd prize → Semanpreet

Consolation - Amrit

Sayla Kaler
Dept

Information and Library Network Centre

(An Autonomous Inter-University Centre of UGC)

सूचना एवं पुस्तकालय नेटवर्क केन्द्र

(विश्वविद्यालय अनुदान आयोग का स्वायत्त अंतर विश्वविद्यालय केन्द्र)

National Library and Information Services Infrastructure of Scholarly Content (N-LIST)

Invoice

Ref No.: INF/N-LIST/2021/2129

Date: 2021-07-02
Invoice No.: NLIST/21-22/1186
College GST No : Not Available
College GST State Code: PB [03]

Name and Address of Subscriber

To
The Principal
SCDGOVT. COLLEGE
SCD GOVT. COLLEGE , COLLEGE ROAD, CIVIL LINES
ludhiana
Punjab - 141001

SR. No.	Membership Fee	Period of Membership	Amount in Rs
1	N-LIST Annual Membership Fee	April 2021 to March 2022	5,000.00
		CGST@0.00%	0.00
		SGST@0.00%	0.00
		IGST@18.00%	900.00
		Total	**5,900.00**

Rupees Five Thousand Nine Hundred Only

GSTIN: 24AAATI1480J1ZS
TDS is not applicable on annual membership fee.

Sincerely Yours

Ashok Kumar Rai
Scientist-E(CS)

Cut Here

N-LIST MEMBERSHIP FEE RECEIPT

Receipt Date: 2021-07-02

Receipt No: 312

Received with thanks from SCDGOVT. COLLEGE, ludhiana, Punjab
A sum of Rupees Five Thousand Nine Hundred Only by Cheque No/DD No/RTGS No. 123025 Dated 2021-05-18 drawn on State Bank of India Payable at Gandhinagar Gujarat towards N-LIST Annual Membership Fee for the financial year 2021-22

Rs. 5900

Sincerely Yours

For Administrative Officer(Finance)

This receipt is valid on realization of Cheque and DD.
Subject to Gandhinagar(Gujarat) jurisdiction only
Online Printed Date : 2022-11-10 07:04:37
INFLIBNET Ref No : INF/N-LIST/2021/2129
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Ph.: +91-79-23268000, Fax : +91-79-23268222, http://www.inflibnet.ac.in

Principal
S.C.D. Govt. College Ldh

Important Links

- https://puchd.ac.in/includes/documents/2021/revised-academic-calendar-2021.pdf
- https://online.scdgovtcollege.ac.in/Library/SearchCatalogue
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