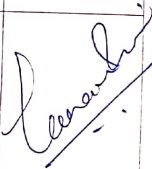




...be the Program outcomes and Course outcomes of all the programs of your department. (Create a spreadsheet and provide documentary proofs)

Dept	Name of program me	Programme outcome	Name of the course	Course outcome	Signature
Defence	B.A	Teach students about international relationships and strategies related to military forces	UG	Students come to know about the basics of defence strategies and international relationships.	<i>P. Kumar</i>
English	M.A English B.A English Honors	<ul style="list-style-type: none"> The program enhances critical thinking of students. Introduces different literary periods. Enhances critical thinking 	<ul style="list-style-type: none"> Literature in English from 1550-1660 Literature in English from 1660-1798 Literature in English from 1798-1914 Literature in English from 1914-2000 Study of a Genre : Fiction <ul style="list-style-type: none"> Critical Theory American Literature Indian Writing in English <ul style="list-style-type: none"> English Language Literature and Gender 	<ul style="list-style-type: none"> The students will come to Know about major literary figures/ movements of the mentioned period They will also learn how the literature of the period paved the way of upcoming writers The students would understand the Age of Prose and Reason and the city life reflected in the literature of the age The students will come to know the leading poets of Romantic and Victorian Age The students will come to know the modern and Post-modern poetry The students will come to learn about the theory and practice of fiction in this course The students will come to know about Puritanism, Transcendentalism, Romanticism and Realism The students will be familiar with the Indian milieu through the classical and modern literary texts This course will develop the students' analytical fecundity and will enable them to appreciate literary and linguistic nuances 	<ul style="list-style-type: none"> <i>M. Singh</i>

				<ul style="list-style-type: none"> The students will be able to understand the way patriarchy has constructed power structures to subjugate the women 	
Music (I)	Proficiency in playing Alankar, which are helpful in further learning of ragas.	To know the lives of great musician who are torch-bearers of Indian classical music.	To know about your instrumental in structure, its sound Producing system and tuning of the instrumentals. To Understand the basic swara	Students will develop critical thinking about music (i.e. analysis, critical listening, and performance evaluation.)	
Pol Sci	Masters	To develop deeper understanding of Political Science.	Political theory Western political thought International Politics International Law Research methodology Indian Govt and politics	Different papers are taught in Masters. Students learn both theoretical and practical aspects of Political Science. They learn about Basic concepts of subject, Political Theory, Public administration, Western Political Thought, Indian constitution and Govt., International politics.	
Hindi			B.A.	Purpose of the course is to provide students with knowledge of Hindi language and literature. To know about various poetic streams related to Hindi language and literature. Evaluating the concept of Hindi from past to present. To provide basic knowledge of Hindi grammar and literature. To develop effective communication skills in Hindi language.	

				To enrich Hindi vocabulary. To spread the knowledge of our national language to people.	<i>elms</i>
Mass Comm.	BAMC	The students will be able to understand concepts in communication mass and shall be able to implement them in not only their professions but everyday life. Communication is integral to human expression and growth and has taken many forms over the centuries. The students will be able to identify the use of media in providing meaningful information. After the completion of the course the students will be able to explain and review on critical evaluation on all aspects of mass communication	BAMC	Students will earn a UG level degree in Mass Communication	<i>AK</i>
Physics	B.Sc Non Medical	1. Knowledge: Capable of	1. Classical Mechanics and Theory of Relativity	• Learn the concept of conservation of energy, momentum, angular momentum Hamilton's	<i>Aradh</i>

<p>demonstrating comprehensive disciplinary knowledge gained during course of study.</p> <p>2. Communication: Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.</p> <p>3. Problem Solving: Capability of applying knowledge to solve scientific and other problems.</p> <p>4. Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, multidisciplinary settings.</p> <p>5. Investigation of Problems: Ability of critical thinking.</p>	<p>2. Electricity, Magnetism and Electromagnetic Theory</p> <p>3. Computer Programming and Thermodynamics</p> <p>4. Wave Optics-I</p> <p>5. Quantum and Laser Physics</p> <p>6. Nuclear Physics</p> <p>7. Properties of Matter and Kinetic Theory of Gases</p> <p>8. Semiconductor Devices</p> <p>1. Statistical Physics</p> <p>2. Wave and Optics-II</p> <p>3. Solid State and Nano Physics</p> <p>4. Atomic and Molecular Physics</p> <p>Practical-I</p> <p>Practical-II</p> <p>Practical-III</p>	<p>variation principle, Lagrange's equation of motion,</p> <ul style="list-style-type: none"> • *Differentiate between inertial and Non-inertial frame of references. Understand the importance of Michelson Morley's experiment in reference to special theory of relativity. Describe special relativistic effects and their effects on the mass and energy of a moving object • Explain and differentiate the vector and scalar formalisms of electrostatics. Understand the properties and theories of dia-, para- & ferromagnetic materials • The students will also be able to have basic idea about the propagation of electromagnetic waves • Analyze AC circuits consisting of parallel and/or series combinations of voltage sources and resistors, inductor and capacitors • Understand the Fortran program, the basic concepts of thermodynamics, the first and the second law of thermodynamics, T-S diagram and Nernst heat law (third law of thermodynamics). The students will also be able to learn about Maxwell's thermodynamic relations their physical interpretations • Concepts of Interference, Young's double slit and diffraction, Fraunhofer and Fresnel, Interference by Division of Amplitude, Newton's Ring, Its uses in day to day life. • Inadequacies of classical and quantum. Understand the central concepts of quantum mechanics, Schrödinger equation, barrier and Harmonic Oscillator. • Also, students will be able to understand different type of lasers i.e. semiconductor, He-Ne and Ruby.
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analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.

6. Modern Tool usage: Ability to use and learn techniques, skills and modern tools for scientific practices.

7. Science and Society: Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities.

8. Ethics: Apply ethical principles and professional responsibilities in scientific practices.

- Basic structure and properties of nucleus, alpha, beta and gamma decays, various accelerators and detectors. Different type of nuclear reaction and reactors. Students will learn about nuclear reactors in India.
- Understand the application of both translational and rotational dynamics motions and also understand the principles and basic terms related to elasticity's constant. Learn the basic aspects of kinetic theory of gases, Maxwell-Boltzman distribution law, equipartition of energies, mean free path of molecular collisions, viscosity, thermal conductivity, diffusion.
- Understand the basic concepts of PN Junction, regulators, filters, transistors, its biasing, amplifiers, feedback and oscillators and CRO.
- Basic concepts of micro and macro states, probabilities, fluctuations and entropy, Classical M-B statistics, quantum Fermi and Bose Einstein statistics, various Dulong-Petit, Einstein theory and Debye Theory.
- Various concepts of polarization, e-ray and o-ray, Quarter wave plate and half wave plate, production and detection of (i) Plane polarized light (ii) Circularly polarized light and (iii) Elliptically polarized light, Fourier analysis,
- Fiber optics and its applications, single mode and multimode fibers.
- Students will learn about the crystals, unit cells, reciprocal lattice, X-ray diffractions, superconductors, BCS theory and concepts of nanophysics. This is quite useful in research areas like material science, nanotechnology etc.

				<ul style="list-style-type: none"> • Understand the basic concepts of vector atom model of single and two electron model, Zeeman and Stark effect. Rotational, vibration and electronic spectra and Raman Effect. • perform experiments related to mechanics (compound pendulum), rotational dynamics (Flywheel), elastic properties (Young Modulus and Modulus of Rigidity) and fluid dynamics (verification of Stokes law, Searle method), p-n junction diode, zener diode etc. • Perform experiments of electronics, optics and Fortran. • Pnp and npn transistors. series and parallel resonance, ripple factor. rms value, refractive index of prism, grating, telescope, dispersive power, programming related Fortran etc. • Perform experiments related to electronics, optics and Fortran <p>Transistor amplifiers, hall effect, band gap, e/m . B-H curve. resolving power of prism and grating. ultrasonic waves, he-ne laser. air wedge etc.</p>	<i>[Signature]</i>
History	1.M.A.History (Previous) 2.M.A.(Final) 3.B.A.	to develop - *self directed learning *knowledge of historical emergence *problem solving attitude *critical thinking *ethics	*Medieval Societies *Modern World * Colonial India * History of Modern China *History of Europe *Historiography *History of Haryana *Republic of India *Economic History of India *Freedom Struggle *History of India -Earliest times to Gupta Empire *History of India 600 AD-1526	<ul style="list-style-type: none"> • The course is designed to provide adequate understanding of the history of Medieval Societies of the world. Modern World, Colonial India, History of Modern China, History of Europe • The course is designed to provide adequate understanding of the Modern Indian history. • The course is designed to provide adequate understanding of the Ancient, medieval and Modern Indian History as well as the History of the Modern World. 	<i>[Signature]</i>

			*History of India 1526-1857 *Indian National Movement *Rise of Modern World * History of Modern World	
Chemistry	B.Sc (medical, non medical)		On completion of course the students develop an understanding of major concepts, theoretical principles and experimental findings in chemistry. They are able to conduct experiments, analyse data and interpret result. They know the proper procedures and regulations for safe handling and use of chemicals They find employment in industry or in school systems Students become familiar with application, safety and chemical hygiene regulations and practices The students have effective written and oral communication skills, especially the ability to transmit complex info in a clear and concise manner.	<i>Chandela</i>
Maths	B.Sc BA B.Com BCA	It enhances the teaching-learning process	BM-111,112,113,121,122,123 BM-231,232,233,241,242,243 BM-331,332,333,341,342,343	With this program, students learn a lot about practical applications of subjects in daily life <i>Maths- Rohit</i> <i>MS</i>
Physical Education	B.P.Ed.- 2	Physical and mental	• HISTORY AND FOUNDATION OF	The course revolves around once physical as well

course		fitness, motivation etc.	<p>PHYSICAL EDUCATION</p> <ul style="list-style-type: none"> • ANATOMY AND PHYSIOLOGY • HEALTH EDUCATION AND ENVIRONMENTAL STUDIES • OFFICIATING AND COACING <p>SPORTS TRAINING</p> <ul style="list-style-type: none"> • Educational Technology and Methods of Teaching in Physical Education • ORGANISATION AND ADMINISTRATION IN PHYSICAL EDUCATION • CURRICULUM DESIGN • YOGA EDUCATION • COMPUTER APPLICATIONS IN PHY. EDUCATION • SPORTS PSYCHOLOGY AND SOCIOLOGY • CONTEMPORARY ISSUES IN PHYSICAL EDUCATION, FITNESS AND WELLNESS • OLYMPIC MOVEMENT • SPORTS NUTRITION AND WEIGHT MANAGEMENT • SPORTS MANAGEMENT • SPORTS MEDICINE AND REHABILITATION 	<p>as mental well being and fitness. Students will become a Sports Teacher and perform their Sports Management in different fields.</p> <p style="text-align: right;"><i>M. M.</i></p>
Commer e	B.COM, M.COM	Students get to learn the concepts of finance, marketing, business environment, business ethics etc. It enhances their knowledge, capability of learning and critical thinking. It also	BC 101, BC 102, BC 103, BC104, BC 105, BC 106, BC 201, BC 202, BC 203, BC 204, BC 205, BC 207, BC 301, BC 302, BC 303, BC 304, BC 305, BC 306(i), BC 401, BC 402, BC 403, BC 404, BC 405, BC 406 (i), BC 501, BC 502, BC 503, BC 504, BC 505, BC 506(i), BC 601, BC 602, BC 603, BC 604, BC 605, BC 606(i) MC 101, MC 102, MC 103, MC 104, MC 105, MC 106, MC 201, MC 202,	Students get to learn the concepts of finance, marketing, business environment, business ethics etc. It enhances their knowledge, capability of learning and critical thinking. It also make them self reliant and capable to get jobs in corporate and education sector.

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MC 203, MC 204, MC 205, MC 206,
MC 207, MC 301, MC 302, MC 303,
MC 304, MC305, MC 306, MC 401,
MC402, MC 403, MC 404, MC 405,
MC 406, MC 501, MC 502, MC 503,
MC 504, MC 505, MC 506, MC 601,
MC 602, MC 603, MC 604, MC 605,
MC 606

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Home science POST GRADUATE DIPLOMA IN NUTRITION AND DIETETICS – PROGRAME OUTCOMES -

1. Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease processes.
2. Provide nutrition counselling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.
3. Evaluate nutrition information based on scientific reasoning for clinical, community, and food service application.
4. Apply technical skills, knowledge of health behaviour, clinical judgment, and decision-making skills when assessing and evaluating the nutritional status of individuals and communities and their response to nutrition intervention.
5. Implement strategies for food access, procurement, preparation, and safety for individuals, families, and communities.
6. Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease processes.
7. Provide nutrition counseling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.
8. Evaluate nutrition information based on scientific reasoning for clinical, community, and food service application.
9. Apply technical skills, knowledge of health behavior, clinical judgment, and decision-making skills when assessing and evaluating the nutritional status of individuals and communities and their response to nutrition intervention.
10. Implement strategies for food access, procurement, preparation, and safety for individuals, families, and communities.

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COURSE OUTCOMES –

COURSE I – HUMAN NUTRITION AND BIOCHEMISTRY : TO enable the students to gain knowledge about body composition, energy metabolism, basics in nutrition, acquire knowledge about their functions, RDA, food sources of nutrients, describe the major metabolic pathways involved in the metabolism of nutrients in the human body.

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HUMAN PHYSIOLOGY To enable students to understand human anatomy and physiology. Describe and explain normal function of the cells, tissues, organs and organ systems of the human body.

COURSE III – FOOD MICROBIOLOGY To enable students to understand about morphological characteristics of different micro-organism associated to food. Know about the spoilage and factors affecting the growth of microorganisms in food . Impart the knowledge about the role of micro-organisms in fermentation of foods. Aware about hygiene and sanitation in food industry.

COURSE IV – LAB. SCIENCE (LAB.) Understand the operational functions of microscope and sterilizing equipments. Acquire skills on preparation of solutions. Colorimetric estimation of biochemical molecules. Acquire the skills on analysis of food, blood and urine samples

Understand the morphology and structural features of micro-organisms .Comprehend various principles of various preservation and control techniques. understand microbial safety in various food operations.

COURSE V – MANAGEMENT OF FOOD SERVICE ORGANIZATION

This subject equips the students for skill development, academic, understanding entrepreneurship. Employment in various field of food industry, health clinic, NGO's etc

Perform training and communication skills relevant to the restaurant, food industry etc

COURSE VI – MANAGEMENT OF FOOD SERVICE ORGANIZATION (LAB) Assess leadership, supervisory and human relation skills within the restaurant and food service Industry. understand the basic principles of management in food service units, develop managerial skills in food service industries, update the skills and techniques in starting up a food service unit successfully. Perform training and communication skills relevant to the restaurant, food industry etc. Acquire skill to plan, compile and prepare meals based on the different region.

Gain experience to standardize the recipes and to calculate the cost per yield.

COURSE VII – PUBLIC HEALTH NUTRITION

Undernutrition and malnutrition – causes, prevalence, consequences, methods of assessing nutritional status, major nutritional problems in India – causes, prevention and control

Various national nutritional programmes existing in India to combat malnutrition.

Role of national and international agencies in improving the nutritional status of population.

COURSE VIII – PUBLIC HEALTH NUTRITION (LAB)L: Assess nutritional status ,Planning low cost nutritious diets for vulnerable groups, planning nutrition education programmes.

COURSE IX DIETETICS I:Become a Registered dietitian. Individual counselling and defending a position on issues impacting the nutrition and dietetics profession. understand the basic principles of diet and diet therapy. Acquire the knowledge of modifications of normal diet for therapeutic purposes Recognize the disease and prevention of the disease. Know the metabolic

mark

of the life style related diseases. Explain the risk factors for degenerative diseases and toward the management of the several disease conditions.

COURSE X – DIETETICS II: Acquire knowledge regarding diet management during life cycle, inborn error of metabolism, special conditions. Apply the principles of diet for the management of metabolic diseases. Use the nutrition care process for special conditions like allergy and burns. Develop the dietary models for cancer and HIV.

COURSE XI – DIETETICS (LAB) : To enable the students to develop skills in planning, calculating, modifying the nutrient requirements and in preparation of therapeutic diets, acquire skills in diet counselling and feeding of patients. Evaluate the related food source for the special conditions. Acquire skills to plan a diet for metabolic diseases based on the dietary modification.

INTERNSHIP – To enable students to Evaluate the patient's medical records and interpret their medical history related to the conditions. Analyse the food habits and bring about the dietary changes. Gain experience to plan and calculate the modified diet. Acquire skill to supervise and handle the food preparation and service in the dietary department of the hospital.

B.A. Home Science

PROGRAM OUTCOMES (P.O.)

1. Understand the sciences and technologies that enhance the quality of life in day to day living.
2. Acquire professional and entrepreneurial skills for economic empowerment of self in particular and of community in general.
3. Develop professional skills in food, nutrition, textiles, housing, product making etc.
4. Take science from the laboratory to the people.
5. Development of critical sensitivity towards community issues and process.
6. Acquire basic management skills for organizing events, resource mobilization, leading community-based projects etc.

V-25

COURSE OUTCOMES :

Semester I

Course HS-101- Family Resource Management – home management, human and non human resources, family budget, wants, housing needs, interior decoration.

Semester II

Course HS-102– acquiring knowledge regarding concepts of health education, immunity, diseases, contemporary issues in public health

Semester III

Course HS-201– Basic human Physiology and Anatomy

Semester IV

V-25

HS-202- Introduction to Textiles & clothing – classification, manufacture, identification, equipment, fabric selection, construction of clothing.


Semester V

Course HS-301- Fundamentals of food & Nutrition – classification, function, diet, constituents, deficiency diseases, basic food groups, nutritional needs, food adulteration, food poisoning.

Semester VI

Course HS-302- Human Development – Mother craft & child care, child development, importance of play, juvenile delinquency, factors affecting child development, Reproduction, pregnancy, prenatal care & development, delivery types, problem children.

V-dit


Principal
Govt HS College
Sector 1, Panchkula