

PRIYADARSHINI INDIRA GANDHI GOVT. COLLEGE FOR WOMEN, JIND

DEPARTMENT OF GEOGRAPHY  
COURSE OUTCOMES OF GEOGRAPHY  
Bachelor of Arts

CLASS	COURSE OUTCOMES
B.A.I	After completing this course, the learner will be able to: 1. provide knowledge about the physiography of our nation. 2. understand the agriculture and irrigation system. 3. understand the basic demographic structure and literacy. 4. provide awareness about the resources and industries of our nation. 5* acquire knowledge of socio-economic and demographic data.
B.A.II	After completing this course, the learner will be able to: 1. provide knowledge about the physiography of our nation. 2. understand the agriculture and irrigation system. 3. understand the basic demographic structure and literacy. 4. provide awareness about the resources and industries of our nation. 5* acquire knowledge of socio-economic and demographic data.
B.A.III	After completing this course, the learner will be able to: 1. understand the geographical phenomena observed in its surroundings. 2. enrich skills about various elements that compose the surrounding environment. 3. understand the climate and its characteristics. 4* attain skills in solving various practical problem associated with geography.

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Department of Geography PIG GCW Jind

Course Outcome of Geography

- Interpret the theories, approaches and concepts in discipline of Geography.
- Articulate the theories of special patterns the interrelationship between people and places and the interaction between nature and society.
- Explain and distinguish differences among the various methodologies use in geographic research and analysis.
- Analysis, evaluate and interpret geographic data.
- Understand Remote Sensing and GIS techniques.
- The students will be able to understand the structure, compositions of different spheres of the earth and its atmosphere.
- Understand the process of agent of changes on and under the earth surface.
- Get information about the cause and effects of local, national and international problems or issues (Like global warming, acid rain, ozone depletion, soil degradation and deforestation etc).
- Students will learn about formation of landforms.
- Students will be able to do social surveys and analyze the data.
- Students will have the knowledge about geographical, socio-economic and political background of main continents and Indian sub continents.

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PRIYADARSHINI INDIRA GANDHI GOVT. COLLEGE FOR WOMEN, JIND  
 COURSE OUTCOMES  
 DEPARTMENT OF CHEMISTRY

CLASS	COURSE OUTCOMES
Class B.Sc.-I Semester-Ist	<p>Inorganic chemistry paper contains topic Atomic structure, periodic table, Covalent Bond, Ionic Solid. These topics are very knowledgeable for students and very useful for their competitive exam point of you like IIT JAM.</p> <p>Physical chemistry paper contains about behavior of real gas and ideal gas. This paper also contains about state of matters like liquid and solid state.</p> <p>Organic chemistry paper contains about chemistry of chemical compounds. Such as bond type and their properties. This topic is very useful for knowledge of fuels used in daily life. This paper also give knowledge how and why reaction take place in between chemical compounds.</p>
Class B.Sc.-I Semester-IIInd	<p>This semester papers contains lot of knowledge like internal forces in chemical compounds, semiconductor used in daily life in electronic equipments, some noble gases in nature. Students also found about why these noble gases does not react and how can we use them for industrial purpose.</p>
Class B.Sc.-II Semester-IIIrd	<p>Inorganic chemistry paper contain about some coordination complex which are very useful in medicinal and pharmaceutical industry. Students got lot of knowledge from this paper. This paper also told about some non aqueous solvents.</p> <p>Physical chemistry paper gives knowledge about natural phenomena such as energy of natural processes and entropy of natural processes. Students also got why some compounds are not miscible into each other.</p> <p>Organic chemistry paper contains about chemical properties of some acid and alcohol, their uses and harmful effect. Also got knowledge about use of Ultra violet</p>



<p>Class B.Sc.-II Semester-IV</p>	<p>Inorganic chemistry paper contain about some radioactive substances. How they are used and how they are harmful. Their chemical properties. Qualitative and quantitative analysis of inorganic compounds and organic compounds. This is very useful topic for industrial point of view. Physical chemistry contains about thermodynamics and electrochemistry. Both are interesting topic. Electrochemistry gives knowledge of electric and chemical cells used in daily life. Their principle and working.</p>
<p>Class B.Sc.-III Semester-V</p>	<p>Inorganic chemistry contains about metal coordination complexes their formation, their chemical reactions, their uses and electronic spectra. Most of these are useful in medicinal industry. Physical chemistry contain about quantum mechanics and Molecular Spectroscopy. Both topics are very interesting. Molecular spectroscopy tell about structural information of chemical compounds. This knowledge can be used in industry. Organic chemistry have topic like NMR spectroscopy, Carbohydrates and organometallic compounds. NMR spectroscopy is very useful in pharmaceutical industry. Complete knowledge of chapter told all about NMR.</p>
<p>Class B.Sc.-III Semester-VI</p>	<p>Inorganic chemistry contains about acids and bases. It discussed about their strength and uses. Bioinorganic chemistry also included in this paper. Bioinorganic give knowledge about some body's important parts which is quite useful for students. This paper also contains about silicones and poshphazenes. Physical chemistry contains photochemistry, solutions, phase equilibrium etc. Photochemistry tells about chemical reactions take place in sun light. Solution chapter tell about how solution is formed and their chemical properties. Organic chemistry contains about heterocyclic compounds, amino acid, proteins and synthetic polymers. All these topic are very important for medicinal and industrial point of view.</p>

*Yash*  
27/2/2024

DEPARTMENT OF COMPUTER SCIENCE

Programme Outcomes

Subject: Computer Science (BSc. CS)

Year	
B.SC 1 <sup>st</sup> year	<ul style="list-style-type: none"><li>• To understand the components of computer, software, hardware.</li><li>• To provide an overview of peripheral devices.</li><li>• To provide internet, multimedia and animation concepts.</li><li>• To get familiar with Windows Operating System.</li><li>• To understand the important Application softwares used in office automation.</li><li>• To provide the concepts word processing software for document writing.</li><li>• To provide internet, multimedia and animation concepts.</li><li>• To get familiar with Windows Operating System.</li><li>• To provide the students with a foundation in computer programming.</li><li>• To develop the basic programming skills in students.</li><li>• To applying the basic knowledge of programming to solve problems.</li><li>• To get familiar with High Level Language 'C'.</li><li>• To introduce the fundamentals of Digital Electronics.</li><li>• To get familiar with Number System and Logic Gates.</li><li>• To understand the concept of Logic circuit, Flip-flop, Register, Counters and Memory.</li></ul>
B.SC 2 <sup>nd</sup> year	<ul style="list-style-type: none"><li>• To introduce the fundamentals of Data structures.</li><li>• To get familiar with Arrays, String and various searching techniques.</li><li>• To know about stack, queue and linked lists.</li><li>• To understand the advanced data structures Tree and Graph.</li><li>• To understand the concept of Software Engineering and Requirement Specification.</li><li>• To know how to plan and design a software project.</li><li>• To get familiar with coding, testing and maintenance of the software.</li><li>• To understand the concept of mapping real objects into programming constructs.</li><li>• To know about various Object oriented techniques like Inheritance, Polymorphism, and Encapsulation.</li><li>• To understand the design and functionality of Operating System.</li><li>• To know about Process management and concurrent processes..</li><li>• To acquire the knowledge of Memory management.</li><li>• To provide the idea of various Disk scheduling techniques and Security.</li></ul>
B.SC 3 <sup>rd</sup> year	<ul style="list-style-type: none"><li>• To understand the concept of Networking.</li><li>• To get familiar with various Network Reference model and Communication Model.</li><li>• To understand the basics of Switching and Multiplexing</li><li>• To know about the Data Link and Network Layer.</li><li>• To understand the concept of designing a Web site.</li></ul>

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|  | <ul style="list-style-type: none"><li>• <i>To know about basics of Internet and HTML, DHTML.</i></li><li>• <i>To acquire the knowledge of Java Script and XML.</i></li><li>• <i>To understand the basic concept of DBMS.</i></li><li>• <i>To know about the Entity relationship model.</i></li><li>• <i>To get familiar Structured Query Language.</i></li><li>• <i>To acquire the knowledge of Transaction Processing Concepts of Relational Database.</i></li></ul> |
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**Department of Computer Science**

<b>Course Outcome</b>	
<b>Subject: Computer Science(BCA)</b>	
<b>Year</b>	<b>Course Outcomes</b>
1 <sup>st</sup> year	<p>Students are able to do WORD PROCESSING, Spreadsheet designing, Presentation Designing as a part of OFFICE AUTOMATION.</p> <p>They are able to do programming in 'C 'language.</p> <p>They also learnt digital electronics (circuits, flip flops, registers, counters etc.).</p> <p>Communication skills played an important role to develop their self-confidence and personality. They learnt to write resumes, report writing, technical letters, and participation in group discussions.</p> <p>Typing test is also taken as a part of practical.</p> <p>Each student is able to give seminar with power point presentation.</p>
2 <sup>nd</sup> year	<p>Students are able to do Object Oriented Programming Using C++, they learnt about the software development life cycle, how to manage a Database and query language to operate on the database and also PL/SQL, current e-commerce practices are also learnt.</p>
3 <sup>rd</sup> year	<p>Students learnt to make simple webpages, use of internet, function of an operating system like windows /Linux in the system, students are introduced to Artificial intelligence, Expert systems, Natural language processing, Computer networks – LAN, MAN, WAN, Data transmission, congestion control etc. Digital signatures, Network Security, Encryption.</p> <p>Students learnt to create forms in Visual Basic, Multimedia, Graphic designing. Java programming. Big data tools like Hadoop.</p>


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### Course Outcome (Physics)

- Students will have a firm foundation in the fundamentals and application of theory and laws of physics in field of technology.
- Students are able to use modern library searching and retrieval methods to obtain information about experimental techniques used for understanding laws of physics.
- They are skilled in problems solving, critical thinking, analytical reasoning, understanding the ethical, historical and environmental dimensions of problems and issues in the field of physics and technology.
- They are able to use modern instrumentation and classical techniques, to design experiments, for improvement in technology in use for betterment of human life.
- Knows the proper procedures and regulations for safe handling and use of electric and electronic devices and can follow the proper procedures and regulations for safe handling when working with electric appliances.
- Are able to identify and solve problems and explore new areas of research and are also able to communicate the results of their work in oral, written and electronic formats.
- Ability to find gainful employment in industries like manufacturing of hardware, electronic and electric appliances etc. Ability to find employment in Govt. Organizations and academic institutions.

  
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P. I. G. C. C. W. JIND  




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Course Outcome Subject: BOTANY	
Year	Course Outcomes
1 <sup>st</sup> Year	Students Get Familiar With Lower Plants Algae, Fungi, Bryophyta and Pteridophyta. They are Able to Identify the Plants, Their Evolution Related to Other Groups. Cell Biology and Genetics are The Modern Fields for a Biologist. Students are Able to Know Cell Composition, Cell Content, Configuration and Division. Genetics Enable Them to Know About Gene Inheritance and Various Changes in Plants, Either Useful or Harmful
2 <sup>nd</sup> Year	Seed Plants Gymnosperm and Angiosperms are Directly Important for Us. Our Daily Needs of Food Fibres, Oil, Drugs, Sugars are The Products Obtained From These. Students are Well Versed with The Structure, Their Internal Structure Classification of Plants Useful and Harmful Plants as Well as Development of Plants Related to Reproduction in Plants
3 <sup>rd</sup> Year	Students Get Knowledge About New Era of Biology Such as Biochemistry. Students are Made Familiar to Various Functional Aspects of Plants, Environmental Changes, Distribution of Plants, Importance of Environmental Factors. Pollution and Green House Effect

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**P.I.G.GOV. COLLEGE FOR WOMEN, JIND**

**Course outcomes (zoology)**

1. Life and Diversity of Non- Chordate I
2. Life and Diversity of Non- Chordate II
3. Life and Diversity of Chordates I
4. Mammalian Physiology I
5. Life and Diversity of Chordates II
6. Mammalian Physiology II
7. Environment Biology
8. Evolution and Development Biology
9. Aquaculture and pest management I
10. Aquaculture and pest management II

All the above written courses are all taught in BSc 1<sup>st</sup> Year 2<sup>nd</sup> and 3<sup>rd</sup> Year with two paper in each subject in each semester the course gives knowledge about animal diversity their physiology, Anatomy Fisheries and animal plant pest and their management and control. The main aim of above courses is to make students aware of their Environment and relation with animals.

*Chandra*

*Principal*

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