
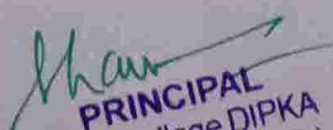


Department of Botany
Program Outcome B.Sc Botany

Department Of Botany	"After successful completion of three years degree program in Botany a student is able to"
Program Outcomes	<p>PO-1.Students know about diversity of plants and type laws and higher plants their evolution in from algae to angiosperm and also their economic and ecological importance.</p> <p>PO-2.Students can describe morphological and reproductive characters of plant and also identified different plant families and classification.</p> <p>PO-3.They Know economic importance of version plants products and castifical method of plant prop rogation</p> <p>PO-4. Students know microorganism.</p> <p>PO-5.Students know embryology, structure of value and type of ovule.</p> <p>PO-6.Students understand plant reproduction pollination and fertilization.</p> <p>PO-7.Students know plant water selection.</p> <p>PO-8 Students also learn economic plant.</p> <p>PO-9 Students knows plant physiology given knowledge photosynthesis and respiration.</p> <p>PO-10.Students knows Recombination technology.</p> <p style="text-align: right;">  PRINCIPAL Govt. College DIPKA Distt.- Korba (C.G.) </p>

Program Outcomes and benefits of zoology

- PO-1. Students can be able to explain how organism function at the level of the gene, genome, cell, tissue organs and organ system.
- PO-2. Drawing upon this knowledge they can be able to specific example of the physiological adaptation development, reproduction and behaviour of different from of life.
- PO-3. Students can be understand the structure of different system such as, integumentary, skeletal, digestive, respiratory circulation uniogenital never and sensory organs in comparative way among the vertebrate group.
- RPO-4. Students can be understand the basic and fundamental biochemistry of carbohydrate, protein, lipid and nucleic acid, they can be also understand the nature mechanism, kinetic of enzyme, action chromatography microscopy, electrophoresis, centrifugation, spectrophotometer etc also be learnt.
- PO-5. Students can be know the physiology of digestion, Respiration, Circulation, Excreta and Adaptation.
- PO-6. Student can be understand the metabolism of char biohydrat, lipid, and protein, in detail, They can also learn about oxidative phosphorylation, Redox reaction.
- PO-7. Student can be require knowledge of RNA replication, transcription, translation, post transcription and post translation modification, gene regulation, DNA Replication and repair, mechanism and various molecular tools and techniques like-PCR, Southern, Northern and western blotting, Requirement DNA technical.
- PO-8. Students can be learn the fundamental genetic like-medallion and nonmendalion inheritances, linkage mutation, Sex determination, of various animals, Extra chromosomal inheritance, transposable genetics, element etc.
- PO-9. Students can be learn the different aspect of early, late and post embryonic development. They can be heave the knowledge about of developmental biology in various field of biostatistics, stem cell biology, incisor fertilization, cryopreservation, card blood transfusion.
- PO-10. Students can be develop knowledge about structure and function of immune cells, immunology antigen and their interaction with antibiotics, They can be know about MHC molecules, cytokines, hyper sensitivity and cellular mode of immune development they can be know the immune diffusion techniques and ELISH.
- PO-11. Students can be learn detrude about taxonomy and biology of fish as well as various aquaculture techniques in detail.
- PO-13. Students can be know in detail about pattern of behaviour, survival, strategies, social and co-operative behaviour, design of signals and chromo biology. They can be also know to contrast echogram.
- PO-14. There are numerous careen opportunities for candidates completing their BSc, MSc and PH.D in zoology in the public and private sector. candidate find jobs as animal behaviourist, conservationist, wild life biologist, zoo curator, wild life educator, zoology faculty forensic expert, lab technician


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	CO-5: To develop numerical solving technique in students
PH-1.3 Quantum mechanics	CO-1 Schrodinger's wave equation CO-2 know about Operator ,Expectation value. CO-3 understanding scondinser equation of different conditions
PH-1.4 Atomic and molecular physics	CO-1 can explain spectra of alkali atoms CO-2 know about screening constant. CO-3 understand rot. Vib. And rot -vib .spectra CO-4 Know about stocks law CO-5 Know the application of Raman spectra in ir region
PH1.5 Nuclear physics	CO-1: Know the theory of nucleus. CO-2: To understand alpha & beta decay. CO-3: To study Nuclear reaction & reactor. CO-4: To understand above concepts through experiments in laboratory. CO-5: To develop numerical solving technique in students.
PH2.1 Solid state physics	CO-1: Know the crystalline & amorphous solids. CO-2: To understand different crystal structures & X-ray diffraction. CO-3: To study crystal defects. CO-4: To understand above concepts through experiments in laboratory. CO-5: To develop numerical solving technique in students
PH2.2 Solid state physics	CO-1 Know about nature of dia and para magnetic salt CO-2 B-H curve and hysteresis loss Co-3 Learn about formation of energy band and explain with croning penny model CO-4 explain nature of electron according to Fermi energy level
PH2.3 Electronics	CO-1: Know the BJT. CO-2: To understand types & applications of FET. CO-3: To study IC OP-AMP. CO-4: To understand above concepts through experiments in laboratory. CO-5: To develop numerical solving technique in students
PH2.4 Electronics	CO-1: Know the concept of feedback. CO-2: To electronic oscillators. CO-3: To understand concept of amplifier.. CO-4: To study Noise & distortion in amplifier. CO-5: Know the h-parameters.
PH2.5 Introduction of computer	CO-1 Student can learn basic knowledge about computer. CO-2 Know about ms office,window based word processing. CO-3 C- Programming of different topics

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Program Outcomes - B.A Geography

स्नातक उत्तीर्ण भूगोल विषय के छात्र-छात्राएं निम्न तथ्यों से लाभान्वित (जानकारी होगी)

(1) भौतिक भूगोल

भौतिक भूगोल का अध्ययन समस्त विश्व को ध्यान में रखते हुए किया जाता है। जिससे समस्त उपागम का प्रयोग होता है। जिससे प्रमुखता स्थलमंडल, वायुमंडल, जलमंडल एवं जीवमंडल से संबंधित दृष्टि कोण विकसित होती हैं।

2. मानव भूगोल

मानव भूगोल का अध्ययन भी समस्त दृष्टिकोण से किया जाता है। जिसका संबंध मानव के अधिवास, उपयोग, खनिज, समाज एवं सांस्कृतिक के विविध पत्रों का ज्ञान होता है।

3. संसाधन भूगोल एवं पर्यावरण

संसाधन भूगोल का अध्ययन भी समस्त प्रश्नों को ध्यान में रख कर किया गया है जिसमें विद्यार्थियों का समस्त विश्व के संसाधनों, उनके उपयोग और उनका विकास के विविध तथ्यों का ज्ञान होगा। साथ-ही-साथ पर्यावरण संरक्षण का ज्ञान होती है।

4. प्रादेशिक भूगोल

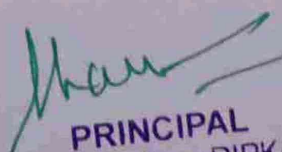
विश्व के प्रादेशिक भूगोल का अध्ययन प्रादेशिक उपागम द्वारा किया जाता है जिससे किसी प्रदेश को (उत्तरी अमेरिका महाद्वीप) विभिन्न उपविभागों में विभाजित करके अध्ययन करने से छात्र-छात्राओं को विश्व के उन क्षेत्रों के विविध जानकारी प्राप्त होती है।

5. भारत का भूगोल

भारत का भूगोल के अध्ययन से समस्त छात्राओं को भारत के उच्चावच, जलवायु, जनसंख्या, अधिवास, समाज, संस्कृति इत्यादि पत्थरों की जानकारी होती है।


6. छ.ग का भूगोल

छत्तीसगढ़ के भूगोल का अध्ययन से विद्यार्थियों को छोटे प्रदेशों की भी संरचना, संस्कृति, समाज, रहन-सहन, उपयोग, कृषि, जैसी जानकारी प्राप्त होती है।


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भूगोल काफी व्यापक विषय हैं इसलिए कैरियर बनाने की संभावना अधिक है भूगोल के विधार्थी निम्न क्षेत्र पर कैरियर बना सकते हैं।

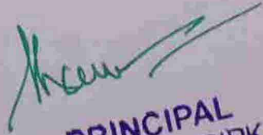
1. स्नातक एवं स्नोक्तर के बाद स्कूल एवं महाविद्यालय पर अध्यापन क्षेत्र पर
2. स्नातक के बाद सर्टिफिकेट डिप्लोमा कोर्स।
3. प्रदेश परीक्षा में उपयोगी।
4. रिमोट सेंसिंग एवं ज्योग्राफिकल इन्फार्मेशन सिस्टम क्षेत्र में।
5. ज्योग्राफिकल फोटोग्राफी क्षेत्र में।
6. रिसाइक्लिंग आफिसर।
7. जर्नलिस्ट क्षेत्र में।
8. एन्वायरमेंटल वायर के क्षेत्र में।
9. वेदर फो
10. लेइस्केप अर्किटेकस्ट के क्षेत्र में ।


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Program Outcome

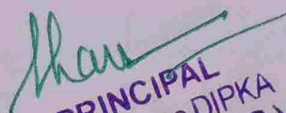
बी.ए.हिन्दी साहित्य स्नातक पाठ्यक्रम

- हिन्दी साहित्य के इतिहास के अध्ययन के द्वारा विद्यार्थी अतीत के परिप्रेक्ष्य में वर्तमान को समझ सकते हैं। विभिन्न कालों में भाषा के विविध रूपों में साहित्य रचना की समझ का विकास विद्यार्थी में होता है।
- गद्य साहित्य (उपन्यास, निबंध, एकांकी एवं कहानी) के अध्ययन से विद्यार्थियों में गद्य साहित्य के रसास्वाद की दृष्टि विकसित होती है। उनमें हिन्दी के प्रतिनिधि उपन्यास, निबंध, कहानीकारों का परिचय प्राप्त होता है।
- छत्तीसगढ़ी एवं हिन्दी भाषा के विविध रूपों की विद्यार्थियों को पहचान और यथोचित प्रयोग का ज्ञान प्राप्त होता है।
- काव्य शास्त्र के अध्ययन से साहित्य के मर्म और मूल्य की समझ विकसित होती है। काव्य शास्त्र के द्वारा न केवल हिन्दी बल्कि संस्कृत के विद्वानों के मतों का अध्ययन विद्यार्थियों द्वारा किया जाता है।
- छत्तीसगढ़ी जनपदीय भाषा साहित्य के माध्यम से विद्यार्थियों में छत्तीसगढ़ी साहित्य एवं साहित्यकारों का अध्ययन कर यहाँ के रीति – रिवाजों, रहन-सहन, खान-पान, संस्कृति का ज्ञान प्राप्त होता है।


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Department Of Chemistry
Programme Outcomes : B.Sc Chemistry

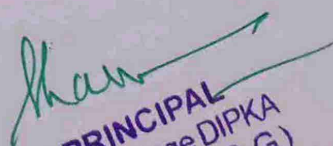
Department Chemistry	Of	After successful completion of three year degree program in Chemistry a Student should be able to
Program Outcome		<p>PO-1 Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions.</p> <p>PO-2 Create an awareness of the impact of chemistry on the environment society and development outside the scientific community.</p> <p>PO-3 Demonstrate, solve and an understanding of major concepts in all disciplines of chemistry.</p> <p>PO-4 Solve the problem and also think methodically Independently and draw a logical conclusion.</p> <p>PO-5 To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-6 Find out the green route for chemical reaction for sustainable development.</p> <p>PO-7 Understand good laboratory practices and safety.</p> <p>PO-8 Gain the knowledge of chemistry and practical.</p> <p>PO-9 Learn the familiar name reaction and their reaction mechanism.</p> <p>PO-10 Use modern techniques, decent equipments and chemistry software.</p>


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Department of Political Science

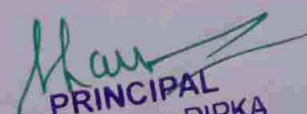
Program Outcomes

Departments of Political science	After successful completion of three-year degree program in chemistry a student should be able to
Program Outcomes	<p>PSO1.The program will familiarize the student with the different aspects of Indian political and government, public administration, Indian Constitution and international, relations.</p> <p>PSO2.Asses how global, national and regional developments affect polity and society.</p> <p>PSO3.Understand the changes in patterns of political behavior ideas and structures.</p> <p>PSO4.Understanding the inter relationship between polity decisions and its effects society.</p>


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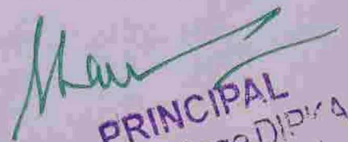
Department of Mathematics
Program Outcomes B.Sc Math's

Department of Mathematics	After completing the course of calculus the students should be able to.
	<ol style="list-style-type: none"> 1 Find the higher order derivative of the power of the two functions. 2. expand a function unity Taylor's and mandarins series. 3. Learn about partial derivatives and it's applications. 4. concive the concept of asymptotes and abstain their equations. 5. Find the area and volume by applying the techniques of double and triple integrals.
	After completing the course of differential equations the students should be able to.
	<ol style="list-style-type: none"> 1. Method of solution of the Differential Equation. 2. Use languages method for sedulity the first order liner partial differential equations. 3. Solve and apply linear Differential equation of second order (and higher) 4. Develop the ability to apply differential equation to egnificant applied and/or theatrical problems
	After completing the course of Algebra students should be able to.
	<ol style="list-style-type: none"> 1 Assess properties implied by the definitions of group and rings. 2 Use various canonical type of groups (inducing cyclic group and group of permutations) and canonical type of rings. 3 Analyze and demonstrates example of subgroups, normal subgroups and quotient groups. 4. Analyze and demonstrates example of ideas and quotient rings. 5 Use the concept of isomorphism and homomorphism for groups and rings. 6 Understand the idea about vector space and metric space. 7 Determine that a functions are it not a metric.


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Programme Outcome of B.A. Part-One English Literature

- PO1. A students should be familiar with different genres of Literature and should be able to identify, analysis interpret and describe the critical idea, value and themes that appear in the literary text.
- PO2. Students should develop good communication skill to understand the artistry and utility of the English language through the study of literature and other contemporary form of culture.
- PO3. Students should be able to use the historical and literary contexts and foster relevant ideas and value in the society.
- PO4. Create opportunities to practice effective social skills.
- PO5. Graduates of literature learn to do research related to social skills and students.
- PO6. Skills are learned by individual through changes in attitude, thinking and behavior.
- PO7. Enhancement of leadership qualities be a team player, voice and opinions and accept differences.
- PO8. Developing reading, writing, speaking and listening skills.
- PO9. Understanding various trends in literature.
- PO10. Motivation for creative writing.
- PO11. Students learn to lead a life that is valuable to others and is able to appreciate one's own worth by going through various challenges.


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Programme Outcomes of English Language

PO1.English also develops their overall confidence and personality.

PO2.It further helps them to prepare for various competitive exams and to keep up with the increasing demand of English in India society. and improve their Communication and writing skills.

PO3.Prepare the students to meet the challenges of the modern competitive society it makes them more confident to face interviews group discussions and increase their capability.

PO4.Students can be heighten their awareness of correct uses of English grammar in writing and speaking.

PO5.Students will demonstrate how to use traditional grammar to enhance their writing.

PO6.Grammar helps provide learns with a structure to recognize as they learn to understand, speak and write new languages.

PO7.The focus on the grammar in English is to benefit the aims of the subject on the whole which is to promote clear and effective communication through reading, writing speaking & listening.

PO8.Students can be write a variety of sentence type.

PO9.Students can be demonstrate an understanding of a grammar structure on quizzes, tests writing and other assignment.

PO10.Demonstrate through to face conversation of simple question and answer in standard English.

PO11.Students can be self edit their oral and written production.

PO12.Increase yourself awareness about the English language.

PO13.Students can be use online library databases to locate appropriate academic sources.

PO14.Students can be produce a short research paper using the diffracting process.

PO15.Students improve their speaking ability.

PO16.Increases vocabulary through the study of word parts, use of content clues and practice work a dictionary.

PO17.Explain drama techniques.

PO18.Examine the various forms of poems.


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Program Outcome For Business Economics

- 1 Students will be able to understand the links between house hold behavior and the economics model of demand.
- 2.Students will be able to understand how planning and infrastructure support can develop on economy.
- 3.It helps students to study the aggregates and both provide overall idea about national economic policies and it's implications.
- 4.Analyze the global business and local business environment.
- 5.Use critical thinking skills in business situations.
- 6.Apply effective written and oral communication skills to business situations.


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DEPARTMENT OF COMMARCE

Program outcome For –B.com.

on the successful completion of the B.com program-

Po-1 Student are able to gain a thought basic knowledge in the fundamental of commerce and Accounting .

Po-2 Curriculum offer a number of special-nations and practice disclosure which would provide the student to face the contemporary challenges in the business activities.

Po3- The all inclusive outlook of the course offer a number of value based and job oriented course ensure that Students are trained into up-to date. In advance accounting course. Beyond the introductory level office active development will also progress to the valuing and organizations level.

Po-4 Student will be able to evaluate the legal social and economic environment of business.

Po-5 Student will be able to describe the global environment of business.

Po-6. Student will be able to apply support tools be business making.


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DEPARTMENT OF COMMERCE

Program Outcome For B.Com.

On the successful completion of the B.com Program

PO-1. Students acquire strong subject matter expertise in various areas like marketing finance and income.

PO-2 Develop advanced theoretical knowledge and research capabilities in their preparation for academic and research related career opportunities.

PO-3. Student are able to gain a thought basic knowledge in the fundamental of commerce and accounting.


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Department of commerce
Program outcomes for B.com.

Department of commerce	On the successful completion of the B.Com. Programme :-
Program Outcomes	<p>PO-1 Students are able to gain a thorough basic knowledge in the fundamental of commerce and accounting .</p> <p>PO-2 Cubiculum offer a number of specialization and practical disclosure which would provide the students to face the contemporary challenges in the business activities .</p> <p>PO-3 The all inclusive outlook of course offer a number of value based and job oriented course ensures that students are trained into update .In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels.</p> <p>PO-4 Students will be able to evaluate the legal social and economic environments of business.</p> <p>PO-5 Students will be able to describe the global environment of business.</p> <p>PO-6 Students will be able to apply – support tools be business decision making.</p>


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Program Outcome and actual work

Upon successful completion of this course.

A students will be able to :-

1. Understand the regulatory environment in which the companies are formed and operate.
 2. Have a solid foundation in accounting and reporting requirements.
 3. Of the companies act and relevant Indian accounting standards.
 4. Have a comprehensive understanding of the advanced issues in accounting for assets, liabilities and owner's equity.
 5. Understand the treatment regarding issue and bonus shares and treatment of prior period profits.
 6. Accounting for mergers and amalgamations.
 7. Draft final accounts for manufacturing concerns, banks and insurance companies.
- Perform computerized accounting using tally package.


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