

**GOVT. SHAHID KOUSHAL YADAV COLLEGE,
GUNDERDEHI, DIST. BALOD (C.G.)**

Course Outcome

2.6.1 Programme Outcome, Programme Specific Outcome,

Course Outcome

English language B.A., B.Com., B.Sc. Part – I

Book: English Language and Indian Culture

Programme Outcome:- Students become well versed with the cultural and historical heritage of India and will become conscious of the environmental surrounding; students will gain awareness about the best literary traditions of the world.

Programme Specific Outcome:- To equip students with knowledge of English as a word language. To empower them to speculate and write accurately in a variety of contexts and genres. To develop an understanding of the relations between culture and history of Nation. This will help students to know India's age old literary and cultural tradition.

Course Outcome:- Students will get acquainted with the vast cultural heritage of India history of India and the environmental issues. the vigour of the content it is hoped will instill a sense of pride and patriotism in the students, and also enable English language proficiency in them and gaining of critical insight and exposure to various social and cultural tradition of our country.



PRINCIPAL

**Govt. Shahid Koushal Yadav College
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English Language B.A., B.Com., B.Sc. Part – II

Book:- Foundation Course

Programme Outcome:- To disseminate scientific information in an interesting way to the students and to acquaint them with the great history of Indian scientific temper. It also provides the opportunity to analyse literature in a syntactic manner.

Programme Specific Outcome:- To programme aims to be able to create a discrete mind which can weigh methodically and scientifically the boons and course of science and technology. It also aims to equip students with knowledge of English as a world language. to empower them to speak and write accurately in a variety of contexts and genres.

Course Outcome:- To create inquisitive thinking a questioning mind that is able to make healthy use of science. To equip students in displaying scientific attitude in their day-to-day life. It further helps to prepare for various competitive exams. It also expands the range of experience in the literary field.



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English Language B.A., B.Com., B.Sc. Part – III

Book:- English language and Aspects of Development

Programme Outcome:- To make students conversant with social, economic and political surrounding of modern India.

Programme Specific Outcome:- To equip students with knowledge of English as a world language. To empower them to speak and write accurately in a variety of contexts and genres.

Course Outcome:- The holistic approach of syllabus enables the students to get acquainted with Indian and overseas societal conditions and multilayered developmental aspects of India. Grammar and vocabulary equip them to participate in competitive exams.


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कार्यालय प्राचार्य

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// कोर्स आउटकम //

हिंदी भाषा (प्रथम प्रश्नपत्र)

बी.ए./बी.एस.सी./बी.कॉम. प्रथम, द्वितीय, तृतीय वर्ष

- ❖ हिंदी व्याकरण की आधारभूत जानकारी।
- ❖ व्यावहारिक हिंदी के अनुप्रयोग के प्रति विद्यार्थियों में सहज बोध जागृत करना।
- ❖ हिंदी भाषा में सम्प्रेषण कौशल विकसित करना।
- ❖ देश विदेश में चल रहे सामाजिक-सांस्कृतिक मुद्दों के प्रति विद्यार्थियों को संवेदनशील और जागरूक बनाना।


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Course Outcome

(Economics)

This course will enhance the professional skills of all the students in banking, business management and administration domain. After completion of this course a student will be able to understand:-

- Basic concept of micro and macro economics such as laws of demand and supply consumer behaviour national income accounting trade cycle etc.
- The behavioural patterns of different economic agents regarding profit price cost etc.
- The advance theoretical issues and their practical application of distribution theories.
- The basic concept of monetary analysis and financial marketing in Indian financial markets.
- The issues relating to sustainable development, environment protection and pollution control measures.
- Basic concept of statistics such as measures of central tendency, dispersion etc.
- Objectives, role and limitation of physical policies in developing and developed countries and physical reforms in India.



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Course Outcome

(Sociology)

This course will enhance the professional skills of all the students in social welfare, labour welfare women and child development and administration domain after completion of this course a student will be able to understand : -

- Helpful in understanding the basic connects of sociology from a scientific point of view.
- Information about the practical and professional importance of sociology.
- Generalization of the principles of ancient and modern social thought.
- Knowledge of structural and institutional aspects of Indian society.
- Helpful in understanding the major problems of Indian society.
- Crime, punishment and correctional process in society.
- The basic concept of tribal society and its problems.
- Social changes and problems in importance of research methodology.
- Basic concepts of statics such as measures of central tendency, dispersion etc.
- Helpful in the formulation of social welfare.
- Rural structure the necessary knowledge has helped in rural reconstruction and planning.
- Impact of industrialization.
- Impact of social movements on various sectors.



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**Course Outcome
(Political Science)**

This course will enhance the professional skills of all the students in constitution, public administration, foreign policy, judiciary after completion of this course a student will be able to understand :-

- Aware of the ideas of ancient medieval, modern Indian and western political thinkers.
- Familiar with different ideologies related to politics.
- Background of the making of the Indian constitution, features, of the constitution fundamental rights, fundamental duties and information on the main articles and section of the constitution.
- Knowledge of problems of Indian political system.
- knowledge of traditional and modern method of study of politics and understanding of political theories and concepts.
- Understand the manufacturing system and industries of international and regional organization.
- Information about foreign policy of Indian, Pakistan, Shri lanka, China, Russia, America.
- Approach to the study of public administration.
- Financial administration in Indian.
- Information about the method of research methodology.
- Effects of national movement in Chhattisgarh, role of Chhattisgarh state information about contribution of great men of Chhattisgarh in political science sector of Chhattisgarh.


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Course Outcome

Microbiology

Programme outcomes, Programme specific outcomes and course outcomes of all the programme offered by the Institution

Regular modification of curriculum is carried out to accommodate the changes with relevance to the local / national / global developmental needs.

Under B.Sc Microbiology programme having 3 parts, each with 2 Mandatory Core papers and I Mandatory Practical Courses

Programmes outcomes:-

In Part I has reflection about History of Microbiology, Microscopy, Sterilization Bacterial cell structure and characterization of microorganisms were discussed along with practical.

In Part II Molecular Biology, genetic engineering bio instrumentation and biostatistics were discussed with a paper of similar practical.

In Part III has environmental and medical microbiology as well as molecular biology with modern applicable Practical.

The course is reasoning and application based, making the students eligible for higher studies, jobs in various sectors and Entrepreneurship abilities.

With the individual Research projects, Research orientation will be improved which is reflected in the form of papers and conference presentations.

Applied papers are advanced, making the students updated in the field. More number of practical's are there in the course making the students well worse with the subject.

Course outcomes:-

B.Sc. Microbiology Part – I

After successful completion of this course students are expected to be able to:

- _ Demonstrate theory and practical skills in microscopy and their handling techniques and staining procedures.
- _ Understand the basic microbial structure and function and the study the comparative characteristics of prokaryotes and eukaryotes and also Understand the structural similarities and differences among various physiological groups of bacteria / archaea.

Paper – I

Unit – I : understand the land mark work and history of different Microbiologist of India and abroad, also familiar with useful and harmful roles of Microbes.

Unit – II : In this unit students are getting knowledge of Microbial techniques, culture media and microbial groups.

Unit – III : Students are familiar with diversity of Microbes, Bacteria and viruses as well as structural organisation of Bacteria.

Unit – IV : In this students are familiar with diversity structure reproduction of Fungi and lichens and disease caused by Fungi.

Unit – V : This unit give general character and classification of algae and protozoa with their economic importance with Cyano bacteria.

Paper – I

Unit – I : In this unit we are familiar with study of classification and structure of carbohydrates and proteins used in our daily life.

Unit – II : Students are familiar with properties and classification of lipids and genetic material DNA and RNA.

Unit – III : In this unit students are getting knowledge of enzymes and coenzymes. its loin ties its types properties and nature.

Unit – IV : In this students are familiar with anabolic and catabolism of bio molecules like photosynthesis, glycol sis, TCA etc.

Unit – Iv : This unit give general character of growth cell division and transport across the membrane.

B.Sc. Microbiology Part – II

Paper – I

Unit – I : Understand the mechanism of DNA replication and history scope of molecular biology.

Unit – II : In this unit students are getting knowledge of protein synthesis.

Unit – III : Students are familiar with mutation and DNA Repair Mechanism.

Unit – IV : In this students are familiar with gene regulation and bioinformatics.

Unit – V : this unit give general character and uses of genetic engineering.

Paper – II

Unit – I : In this unit we are familiar with study of microscopy and centrifugation.

Unit – II : Students are familiar with different types of chromatography and pH meter.

Unit – III : In this unit students are getting knowledge of spectrophotometer.

Unit – IV : In this students are familiar with electrophoresis and X-ray diffraction

Unit – V : this unit give an idea general character of biostatistics.

B.Sc. Microbiology Part – III

Paper – I

Unit – I : History scope of molecular biology.

Unit – II : Students are familiar with mutation.

Unit – III : Understand the mechanism of DNA replication and gene regulation.

Unit – IV : In this students are familiar with DNA Repair Mechanism.

Unit – IV : this unit give general character and uses of genetic engineering.

Paper – II

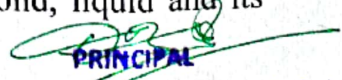
Unit – I : In this unit we are familiar with study of microbes in air as dropler and disease caused by them.

Unit – II : Students are familiar with different types of interaction of microbes and nitrogen fixation.

Unit – III : In this unit students are getting knowledge of aquatic microbes and its role in water pollution.

Unit – IV : In this students are familiar with food spoiled by microbes and concept of xenobiotics.

Unit – V : this unit give an idea of waste treatment like solid, liquid and its conversion into useful objects.


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Course Outcome

Department of Botany

Programme Outcome, Programme Specific Outcome and Course Outcome

Programme Outcome (POs), Programme Specific Outcome (PSOs), and
Course Outcome (COs) of the programmes offered by institute

Programme Outcome (POs):-

As per syllabus (BOS, Botany):- The M.Sc.- Botany curriculum is designed to equip students with subject domain knowledge and technical skills pertaining to plants in a holistic manner. It aims to train the students in all the areas of plants sciences with unique combination of core and elective papers with significant interdisciplinary components as per syllabus. Students have exposure to cutting-edge technologies that are currently used in the subject. They are made aware about the social and environmental issues, significance of plants and their relevance to the national economy.

Programme Specific Outcome (PSOs):-

OBJECTIVES OF THE PROGRAMME:-

The college follows Hemchan Yadav University, Durg Syllabus for Bachelor of Science (Botany). The Objectives of the prescribed syllabus are:

- The discuss the syllabus such that it can attract, enthuse, sustain and promote the interest of learners for selecting plant science and allied disciplines as their carrier and make them realize that their choice is intellectually rewarding.
- To provide for mobility of students among institution and different discipline.
- to increase the awareness of young learners about the abuse to which plants have been subjected by human greed & train them in exploration, identification & evaluation of plants, conservation of nature & natural resources and in the protection of endangered plant species & other biota dependent on them.

- To make provision for improvement in the quality of laboratory and field work for want of which the students are not able to appreciate the beauty and variety of form structure function and ecological significance of plants and their biological services.

Course outcomes (CO):-

Upon completion of this course students will be:

- To acquire knowledge relevant to microbes and lower plants with practical knowledge.
- To make our the application of these studies to become entrepreneur.
- To become employee of related scientific industries such as supplier of class work material, slides, specimen etc.
- To become taxonomist.
- To acquire knowledge relevant to structure, development and reproduction in flowing plants with practical knowledge.
- To become employee of biotechnology and genetic engineering related industries.
- To appear different competitive examination conducted at national and state level.
- To become teacher in educational institute.
- To appear different competitive examination conducted at national and state level.
- To become laboratory technician.
- **SCHEME OF EXAMINATION**

Botany:- Paper I-50 Marks	Time – 3 Hours
Paper II-50 Marks	Time – 3 Hours
Practical -50 Marks	Time – 4 Hours

Name of Programme	Programme Outcome (PO)	Programme Specific Outcome (PSO)
B.Sc.- Part – I		
B.Sc. Subject- Botany	<ul style="list-style-type: none"> To study structural organization and economic importance of Microbes including Bacteria, Viruses, Mycoplasma, Cyanobacteria. To study the structural, development and economic importance of lower plants including Algae, Fungi, With practical knowledge. 	B.Sc.- Part – I (Paper-I-Bacteria, Viruses, Fungi, Lichens, and Algae) <ul style="list-style-type: none"> Understanding the basic microbial characteristics, structure, reproduction and economic importance of Bacteria, Virus, Mycoplasma and Cyanobacteria. Know the classification, characteristic features, life history and economic importance of algal with practical knowledge. Know the General account, classification, Characteristic features, structure, life history and economic importance of fungi with practical knowledge.
	<ul style="list-style-type: none"> The study the structural, development and economic importance of lower plants including Bryophytes and Pteridophytes with practical knowledge. The study the structural, development and economic aspect of Gymnosperms. 	B.Sc.- Part – I (Paper-II-Bryophytes, Pteridophytes, Gymnosperms and Plaeobotany) <ul style="list-style-type: none"> Know the classification, characteristic features, structure and life cycle of Bryophytes, with practical knowledge. Know the classification, characteristic features, structure and life cycle of Pteridophytes, with practical knowledge.
B.Sc.- Part – II		
	<ul style="list-style-type: none"> The study the structural, development and economic aspect of Gymnosperms as well as Angiosperms. The outcome of this programme as to identify the plants according to taxonomy. The study the anatomical structure and development of flowering plants. 	B.Sc.- Part – II (Paper-I-Diversity of Seed Plants and The Systematics) <ul style="list-style-type: none"> Understanding the characteristics. origin, evolution and diversity of seeded plants. Know the classification, characteristic features, structure and life cycle of gymnosperms, with practical knowledge. Understand the principles and rules of taxonomy of angiosperms. Knowing the salient features of classification of angiosperms. Understanding the diversity of flowering plants of different families
	<ul style="list-style-type: none"> To study basic body plane of plants. To study the shoot and root system. To study the structure, development and reproduction in flowering plants. 	B.Sc.- Part – II (Paper-II- Structure, development and reproduction in flowering plants) <ul style="list-style-type: none"> Understanding the basic body plane, growth and diversity in plants. Understanding the shoot system and root system in detail with practical knowledge. Knowledge the morphological and anatomical structure of leaves according to adaptation with with practical knowledge. Understand the structure, development of flower and reproduction in flowering plants in detail with practical knowledge. Significance of seeds.

B.Sc.- Part – III

- To study the physiology of plants.
- The study the growth and development in plants.
- To study the principles, techniques and application of genetic engineering and biotechnology.

B.Sc.- Part – III (Paper-I- Plant Physiology, Biochemistry and biotechnology)

- Know the complete physiology of plants including plant water relationship, transpiration, transport of organic substance, respiration, photosynthesis.
- Understand the properties structure and mechanism of action of enzymes.
- Understand the metabolism of nitrogen and lipids.
- Knowing the growth and development process in plants including knowledge of structure and function of plant hormone.
- Understanding the principles, techniques and application of genetic engineering and biotechnology.

- To study plants and environmental.
- To study the ecology and ecosystem with the practical Knowledge.
- To study the utilization of plants.

B.Sc.- Part – III (Paper-II- Ecology and Utilization of Plants)

- Understand the environment along with water, light, soil, temperature.
- Understand the morphological, anatomical and physiological changes in plants responses to environment with practical knowledge.
- knowledge of ecology, ecosystem, ecological pyramids, flow of energy with practical's.
- Understand the utilization of plants as food, fibres, oils, spices, medicine, beverages and rubber with practical knowledge.



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Course Outcome

(Chemistry)

Our institute offers three year undergraduate programme with different combination of subjects. A student may choose a course in Chemistry in B.Sc. in the combination of subjects (Physics, Chemistry, Mathematics, Botany, Zoology, Microbiology, Biotechnology) On completion of under – graduate (B.Sc.) course in Chemistry by opting the above mentioned combination of subjects : -

1. Students learn the basic Fundamental Concept, needed to understand different branches of Chemistry. They are trained to apply these techniques through numerical exercise.
2. They are familiarized with hands – on training in the furnished and equipped laboratory for practical verification of the Chemistry theories that they learn during class lectures.
3. They are trained with the Chemistry Practical and Handle analytical instruments.
4. The course in Chemistry makes the students eligible for the further post – graduate studies in Chemistry. They can apply for different integrated PhD course.
5. They may appear for various competitive examinations like PSC, UPSC, SSC, teaching, research institutes, services, railways etc.
6. Three year undergraduate course with Chemistry prepares the students for career as teachers for researchers in different branches in pure and applied Chemistry.

Every student has a right to get respectable earnings after obtaining a degree. The programs offered by the college has immense opportunity to – pursue higher education (Master degree after degree courses, doctoral program).

Our syllabi are so well designed that student of any stream can compete for national, state, district of local level competitive examination like jobs in administrative services, teaching, research institutes, services, railways, banking, agriculture, horticulture, fisheries, Industries, business organizations etc. are few examples to quote.


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Course Outcome

(Commerce)

Our college offers three years under graduate programme in commerce in first two years all students study compulsory subjects but in 3rd year there is the facility of elective course in which students can choose one option out of the following four – (A- Finance area, B- marketing area, C- commercial area & D- Money, banking and insurance area :-

- The Degree course in commerce in commerce makes the students eligible for the further admission in post graduation in commerce and different professional course like C.A., ICWA, M.B.A. etc.
- They may appear for various competitive examination like State PSC, UPSC, SSC, CG Vyapam, Banking Institutions, Railway etc. and also eligible for service in account and taxation related firms, self employment and establish own business.



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