

GOVERNMENT COLLEGE TAMNAR

DIST- RAIGARH (C.G.)

S.N	COURSE NAME	LEARNING OUTCOMES
01	B.A. (Hindi Foundation and Literature)	<ul style="list-style-type: none"> • This program helps to develop the Personality, Language, National spirit, Cultural, Social mobility, Unity and Integrity in the students. • To develop social tolerance, religious liberal view. Students will be able to identifying eminent Hindi writers of each period and understand the history of development of Hindi drama, short stories and novels. • Students will be able to understand various form of writing in media and meaning, concept and importance of functional Hindi. • Students will be able to writing official letter in functional Hindi.
02	B.A.(English Foundation and Literature)	<ul style="list-style-type: none"> • Since the majority of the students come from rural areas. They are weak in English language. • This programme helps to make able their students of writing, reading, listening and speaking. • English Literature is important to step back in time and learn about life. • The students are made aware of better understanding of culture and appreciate it. • Students read, analyses interpret and produce text. English Literature gives a scope for facing competitive exams and able to make a bright career.
03	B.A. (Political Science)	<ul style="list-style-type: none"> • It helps to differentiate among multiple political science perspectives (ideologies theories) from a range of written or spoken genres. • It demonstrates the ability to outline and defend a vision of politics in areas such as justice, democracy, community or freedom by means of persuasive writing for a specific audience.

		<ul style="list-style-type: none"> • It helps to evaluate law, policy or power dynamics of various countries. It also helps to understand the international political theories, which helps to make a comparative vision globally.
04	B.A.(Sociology)	<ul style="list-style-type: none"> • It helps to students communicate orally and in writing about sociological concepts. • This program use their sociological education outside of the classroom, particularly in their careers of further education. • This program help to think critically about the causes and consequences of social inequality, design and evaluate empirical sociological research.
05	B.A.(History)	<ul style="list-style-type: none"> • Students gain knowledge of historical developments in various regions and time periods, including the Indian subcontinent, the modern and early modern world, and ancient societies • Students learn to consider multiple perspectives and to understand the relationship between the past and present. They also learn to be sensitive to gender and social inequities • Students learn to analyze historical ideas, arguments, and points of view. They also learn to interpret primary sources, such as manuscripts, artifacts, and oral sources • Students develop an appreciation for the uniqueness of visual evidence and how to use it to understand the past.
06	B.Sc. (Botany)	<ul style="list-style-type: none"> • Students will be able to identify the major groups of plants and classify them. • Students will be able to compare the characteristics of plants, Algae, fungi, Bryophyta, Pteridophyta, Gymnosperm and Angiosperm. • Students will gain practical knowledge in the field and

		<p>laboratory experiments.</p> <ul style="list-style-type: none"> • Students will understand the basic concept of plant tissue culture, Bio technology and crop improvements. • Students will gain scientific Knowledge in the field of Life Sciences and fundamental processes of plants. This will help to clear competitive exams such as IFS, PSC, ARS etc.
07	B.Sc. (Chemistry)	<ul style="list-style-type: none"> • Students will be able to critical thinking problem solving related to scientific problems. • Students will be able to define chemical behavior and physical properties of common substance. • Students will be able to describe the characteristics of solid, liquid and gases. • To study the fundamentals of reaction mechanism, aromaticity, stereochemistry, synthesis and applications of various organic compounds. • Students will become able to solve problems of surrounding village water source such cleaning of Well or Pond water, determining its hardness whether it can be useful for drinking or not. • To study the periodic properties of elements, geometry of molecules, characteristics of molecules.
08	B.Sc. (Zoology)	<ul style="list-style-type: none"> • Students gain knowledge and skill in the fundamentals of animal science, understands the complex interactions among various living organism. • Understand about various concepts of genetics and its importance in human health • Correlates the physiological process of animals and relationship of organ systems. • Understanding of environmental conservation, pollution control and biodiversity and protection of endangered species. • Gain knowledge about sericulture, fish farming. • Develops empathy and love towards the animals. • Understanding the way in which body defends itself against invading organisms or internal invaders. • Understanding component of immune system, Innate and acquired immunity.

09	B.Sc. (Physics)	<ul style="list-style-type: none"> • At graduation level students are able to know about basic laws of gravitational force, electromagnetic wave theory, interference, reflection, refraction, polarization etc. • Students will be able to analyze and solve the numeric problems related to basic concept of physics. • In final year class basic knowledge of computer organization and C language is also covered in syllabus. • Understand the definition for centre of gravity in hemisphere, hollow hemisphere etc. • Understand the dynamics and gravitation. • Study the behavior of rigid body dynamics. • Understand the nature law of thermodynamics and entropy. • Analyses of zeroth law, first law and third law of thermodynamics and entropy
10	B.Sc. (Mathematics)	<ul style="list-style-type: none"> • By learning the topics taught in this paper student learns how to tackle problems of successive differentiation in other branches of science. Topics like curvature and curve tracing find applications in a number of research fields. Vector calculus too is very useful in building the concepts of Physics. • Apply De Morgan's theorem on functions properties of direct inverse and hyperbolic function. • To find the logarithm of complex quantities. • To expand trigonometric function. • To solve the problem of roots and coefficient of polynomial
11	B.Com. (Commerce)	<ul style="list-style-type: none"> • This programme could provide Industries, Banking sectors, Insurance Companies, Financing Companies, Transport agencies; Warehousing etc. well trained professionals to meet the requirements by this programme. • Students can get skills regarding various aspects like marketing manager, selling manager, over all administration abilities of the companies. • It helps to make decisions at personal and professional

		<p>level. Students can independently start up their own business.</p> <ul style="list-style-type: none"> • The knowledge of different specializations in accounting, costing, banking and finance with the practical exposure helps the students to stand in any organization. • Students will prove themselves in different professional exam like – CA, CS, ICWA, CMA, CGPSC, UPSC etc.
12	M.A. Political Science	<p>Semester I</p> <ul style="list-style-type: none"> ➤ To understand nature and significance of political theory. ➤ To know about the continuing significance of the study of the classics. ➤ To understand evolution of comparative politics meaning, political system approach and analysis, political communication, constitutionalism political elites. ➤ Students can gain knowledge about public administration, theories of organisation, chief executive, personal management and financial administration. Development of international politics, concept of power, diplomacy and terrorism. <p>Semester II</p> <ul style="list-style-type: none"> ➤ To understand evolution of Indian political thought, political ideas of various political and social thinker. ➤ To understand background of the cold war, globalization, nuclear disarmament and arm control CTBT, NPT and problem of third war. ➤ To understand a basic instruction to the process and method of empirical research for achieving scientific knowledge in political science. ➤ To know about the evolution and the development of international organization from its inception till present times. To know about Indian constitution, fundamental rights and duties union executive union legislature.

		<p>Semester III</p> <ul style="list-style-type: none"> ➤ To understand Indian foreign policy, international law, federal system in India, planned economic development and politics in India. <p>Semester IV</p> <ul style="list-style-type: none"> ➤ To know about appointment power and position of governor, chief minister. To understand state legislative, state judiciary, Indian state council and to understand diplomacy, ➤ to know about human rights, problems and prospects and understand local self government in India.
13	M.A. (Sociology)	<p>Semester I</p> <ul style="list-style-type: none"> ➤ To understand classical sociological theories (August, Comte, Max Weber, Karl Marks and Durkhiem). ➤ To understand methodology of social research, types of scientific methods, survey, quantitative and qualitative method and analysis of data. ➤ To gain knowledge about Rural social system, rural basic concepts, peasant relation and Indian rural process, urban society, urbanization in India. <p>Semester II</p> <ul style="list-style-type: none"> ➤ To understand modern sociological theories, conflict theory, Indian sociological theory. ➤ To understand concept of statics, central tendency, diagrammatic presentation of facts. Computer in social research and rural development and change, rural social institutions. ➤ To understand urban social structure and problems, urban ecology and its theory, sociological thinkers, urban planning in Chhattisgarh. <p>Semester III</p> <ul style="list-style-type: none"> ➤ To understand Indian institution, Indian social structure, diversity in Indian society, concept of rural- urban continuum.

		<p>Semester IV</p> <ul style="list-style-type: none"> ➤ To understand industrial sociology, industrial management, industrial disputes and settlement. ➤ To understand demography, census, fertility and birth rate in India, overpopulation in India. Malthusian and non Malthusian theory of population. criminology, theoretical perspectives of Indian society
14	M.A. (Hindi)	<p>Semester I</p> <ul style="list-style-type: none"> ➤ To understand the concept of history of literature. ➤ To identifying the eminent Hindi writers of prachin kavya. To gain knowledge about Vidyapati padawali, Kabir granthawali. <p>Semester II</p> <ul style="list-style-type: none"> ➤ To understand the history of the development of Hindi drama, short stories and novels. ➤ to describe the Krishna leela bhakti of Soordas, Rama Bhakti poetry of Tulsidas. ➤ Describing the content and the skill of writing of Bihari in context of the socio cultural condition of his period.. <p>Semester III</p> <ul style="list-style-type: none"> ➤ To know about media lekhan, origen of media lekhan and their structure and types. ➤ To Understand the various forms of writing in media and concept of proof reading. <p>Semester IV</p> <ul style="list-style-type: none"> ➤ To understand characters ,definition and area of Lok sahitya. ➤ To understand Lok-katha, Lok-gatha, Lok-nritya and Lok-sangeet. ➤ To understand the history of Chhattisgarhi literature,Nonel, Essay,Stories etc.

15	M.Sc. (Chemistry)	<ul style="list-style-type: none"> ➤ To understand basic facts and concepts in Chemistry while retaining the exciting aspects of Chemistry so as to develop interest in the study of chemistry as a discipline. ➤ To appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society. ➤ Helps in understanding the causes of environmental pollution and can open up new methods for environmental pollution control. ➤ Learns about the potential uses of analytical industrial chemistry, medicinal chemistry and green chemistry. ➤ To develop skills in the proper handling of apparatus and chemicals ➤ Work in the interdisciplinary and multidisciplinary areas of chemical sciences and its applications. ➤ Carry out experiments in the area of organic analysis, estimation, separation, derivative process, inorganic semi micro analysis, preparation, conductometric and potentiometric analysis ➤ To be familiarized with the emerging areas of Chemistry and their applications in various spheres of Chemical sciences and to apprise the students of its relevance in future studies.
16	M.Sc. (Botany)	<ul style="list-style-type: none"> ➤ Knowledge: Demonstrate knowledge of basic concepts, principles and applications of the specific science discipline. ➤ Identify credible scientific sources to interpret and evaluate the evidences. ➤ Get ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method. ➤ Analyse and interpret results generated through studies in botany, taxonomical treatments, field studies, excursion tours and laboratory techniques used in the subject. ➤ Understand the issues of environmental contexts and sustainable development with respect to assessment, conservation and utilization of floral diversity. ➤ Capability for developing innovative and solution centered approach for handling any kind of problem and the paradigm of scientific temperament.

		<ul style="list-style-type: none"> ➤ Understanding for the development of the applications of biological materials in food, health, medicine and environment for sustainable development of the society ➤ Identify and classify the plants by using the key characters. ➤ Students would be benefited with knowledge of core subjects like plant diversity, physiology and biochemistry, molecular cytogenetic and application of statistics etc. ➤ Learn about practical technique in lab for detail study of plant cell structure, reproduction, anatomy, breeding procedures for hybridization. Practice of subject with knowledge to design experiments, analyse and interpret data to reach to an effective conclusion. ➤ Students would perform functions that demand higher competence in national/international organizations with sporty and helping spirits. Prepare the students for many competitive exams like PSC, UPSC NET SET. ➤ They become competent enough in various analytical and technical skills related to plant sciences.
17	M.Sc. (Zoology)	<ul style="list-style-type: none"> ➤ Providing students with a comprehensive understanding of zoology starting from the fundamental biochemical, molecular, and cellular level, Extending to the study of physiology and reproduction at a organism level, and impact of ecological factors on animals across various levels of organization (individuals, populations, communities, ecosystems, etc.). ➤ Understand biological diversity, particularly in the animal kingdom. Understand the different forms of animals, both invertebrates and vertebrates, and how they are classified systematically. Learn Comparative structural studies emphasising comparing anatomical features and identifying patterns of evolutionary relationships. ➤ Learn and appreciate the processes and forces that drive evolutionary changes over the time, understand mechanisms of evolution, such as natural selection, genetic drift, and speciation. Understand concepts of physiology, molecular biology, endocrinology, cell biology, and ecology. Learn importance of developing practical skills in molecular biology, techniques which involve separation identification and estimation of biological molecules. ➤ Emphasizes the need to gain proficiency in biostatistics, which is essential for analyzing and interpreting biological

		<p>data.</p> <ul style="list-style-type: none"> ➤ In optional group I Students will understand fish biology and taxonomy. It focuses on introducing students to the fundamental principles and concepts of fisheries science and aquaculture, Students will learn about different aquaculture systems, species selection, and sustainable aquaculture practices. ➤ In the optional group II student will understand the fundamental principles of cell biology, including the structure, function, and organization of cells. Explore cell signalling and communication, focuses on the metabolic pathways within cells. Students will explore the regulation of cellular energy production and utilization. ➤ In the optional group III we aims to introduce students to the study of insects, their taxonomy, morphology, physiology, behaviour, and ecology and focuses on the practical applications of entomological knowledge in agriculture, forestry, public health, and other relevant fields. Students will explore how entomological principles can be utilized to address real-world challenges and improve human welfare. ➤ In the optional group IV students will understand the ecology, behavior, and natural history of wildlife species. Students will learn about the interactions between wildlife and their environment focuses on introducing students to the fundamental principles and concepts of wildlife conservation, learning the techniques and methods used to assess wildlife populations and monitor their status over the time. ➤ Overall, these PSOS provide a comprehensive roadmap for students in the post graduate programme in Zoology, ensuring that they acquire knowledge and skills in various aspects of zoology.
18	M.Com. (Commerce)	<ul style="list-style-type: none"> ➤ The curriculum planning of M.Com. program envisages the students demonstrating inclusive knowledge of the areas related to Principles and Practice of Taxation and Indian Tax System, Corporate Law, Legal Aspects of Business etc. The students will be made capable of using modern ways and means of dealing with issues arising in the dynamic business world and will also help them tackle the resistances. ➤ The student can work in different fields Banking,

		<p>Marketing, Insurance, Finance, HRM etc.</p> <ul style="list-style-type: none">➤ The curriculum also inculcates in the young minds the qualities of teamwork, cooperation and solidarity which can be seen as a vision of the current business world though full of competition. The courses included in the program teach the students to cultivate such characteristics keeping the larger societal goal in mind.➤ The teaching learning method used in the program make the students capable to deliver and communicate information effectively.➤ This course broadens the horizons of the students by making them understand the intricacies of the business world and overall the economics of the country as well as the world. This learning makes them inquisitive to raise concerns and act accordingly. The curriculum is designed in such a way that the students are driven to develop an attitude of life-long learning.➤ This program enables the students to think of a given problem or situation from different perspectives like economic, financial, social, national, global etc. and broadens the horizon of their thought processes. It not only helps the students add dimensions to its decision making but also in reaching to inclusive conclusions.
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