

# **GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

## **Programme Outcomes for UG:B.A.**

After successful completion of Undergraduate Three years B.A. general Degree Programme, the Students will be able:

### **PO-1.GEOGRAPHY:**

- To understand about Physical Geography and Human Geography.
- To know Economic and Resources Geography and Geography of India.
- To knowledge about Remote Sensing and GIS and Geography of Chhattisgarh.

### **PO-2.POLITICAL SCIENCE:**

- To know Political Theory, Indian Govt. and Politics.
- To know the Theory and Govt. Political Thought, Comparative Governments and Politics.
- To understand International Politics and Foreign policy of India, Public administration.

### **PO-3.SOCIOLOGY:**

- To study Introduction to Sociology, Contemporary Indian Society.
- To learn Sociology of Tribal Society, Crime and Society.
- To understand Foundations of Sociological Thought, Methods of Social Research.

### **PO4.ENGLISH LITERATURE:**

- To familiarize Students with the representative authors and works of British English Literature.
- To make the Students understand the trends and History of English Literature.
- To create among Students an interest in the text of Literature and make them understand the Literacy devices of Poetry, Drama, Prose and Fiction.

### **PO-5.HINDI LITERATURE:**

- विद्यार्थी हिन्दी साहित्य की विविध काव्य एवं गद्य प्रवृत्तियों से परिचित हो सकेंगे।
- चयनित पाठ्य सामग्री के माध्यम से तत्कालीन काव्य संवेदना को समझ सकेंगे।
- साहित्य के विविध रूपों के माध्यम से जीवन की अनुभूतियों, संवेदनाओं तथा विविध परिस्थितियों का साक्षत्कार कर सकेंगे।
- विद्यार्थियों की सृजनात्मक क्षमता का विकास हो सकेगा।
- विद्यार्थी की मर्मग्राहिणी प्रतिभा का विकास होगा और ऐतिहासिक परिपेक्ष्य में शुद्ध साहित्यिक विवेक का सन्निवेश होगा।

### **PO-6.ENVIRONMENTAL STUDIES:**

- To understand the issues of Environmental Contexts and Sustainable Development.

### **PO-7.ENGLISH LANGUAGE:**

- To equip the Students with basic communication Skills in English.
- To make them capable of Writing and Speaking in English correctly.
- To enhance their knowledge of Grammar and Vocabulary of English.

### **PO-8.HINDI BHASA:**

- छात्र-छात्रा हिन्दी भाषा की आधारभूत व्याकरणिक इकाईयों से परिचित हो सकेंगे।
- हिन्दी भाषा और उसके विविध रूपों का ज्ञान प्राप्त कर सकेंगे।
- छात्र-छात्राओं की रचनात्मक और अवबोध क्षमता का विकास हो सकेगा।
- छात्र-छात्रा व्याकरण में बुनियादी ज्ञान, संप्रेषण, कौशल सामाजिक संदेश एवं भाषायी दक्षता को विकसित कर अपने व्यवहारिक जीवन में उसका प्रयोग कर सकेंगे।

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**COURSE OUTCOMES FOR UG: GEOGRAPHY**

After completion of three years Course of Geography the students will be able:

- CO-1: To know the Nature and Scope of Physical Geography, Earth Movement, Climatology, Climatic Classification, Basic knowledge of Oceanography.
- CO-2: To study the Definition and Scope of Human Geography, Classification of Human Races and their Distribution, Growth and Distribution of world Population, Rural and Urban Settlements, Global Emergent Environmental Issue.
- CO-3: To understand the Meaning, Scope and Approaches to economic geography, Mineral Resources, Agriculture and Industrial Regions of the world and their Location, World Transportation, Conservation of resources.
- CO-4: To Determine Physical Features, Natural Resources, Cultural Features Population, Industries Localization to Special Reference of India, Detailed study of the Region of India.
- CO-5: To learn the Basic of Remote Sensing, Types of Remote Sensing, Remote Sensing Program of India, Introduction of GIS, Data Model and Data Analysis.
- CO-6: To gain the knowledge about Physical Features, Natural Resources, Agriculture and Population, Industries and Transpiration to Special reference of Chhattisgarh.

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**COURSE OUTCOMES FOR UG: POLITICAL SCIENCE**

After completion of three years Course of Political Science the students will be able:

CO-1: To know the Meaning and definition of Political Science, State and its essential elements, Sovereignty and its pluralistics, kinds of Governments, Organs of Government, public welfare state.

CO-2: To understand Indian National Movement, Constitution of India, Union Executive, Union Judiciary, State Legislature.

CO-3: To know political thought of these thinkers Plato, Aristotle, Machiavelli, Hobbes, Lock and Rousseau, Bentham, Mill, Green, Marx, Idealism, individualism, socialism, Liberalism, Fascism, Manu, Kautilya, Gandhi, Ambedkar, Deen Dayal Upadhyay.

CO-4: To acquire the knowledge of British Constitution, Constitutions of United State of America, Constitutions of Switzerland, Constitutions of China and Comparative politics.

CO-5: To learn International Politics, Various Theories of International politics, Foreign policy of India, India Relations with neighbouring Countries, Some Major Issue of International politics.

CO-6: To know about Public Administration, Principles of Organization, Development Administration, Financial Administration, Corruption in Administration.

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**COURSE OUTCOMES FOR UG: SOCIOLOGY**

After completion of three years Course of Sociology the students will be able:

**CO-1:** To know the Meaning of Sociology, Basic Concepts, Social Institutions, Culture and Society, Social Stratification, Social Mobility, Social Change, Social System and Process, Social Process.

**CO-2:** To understand Classical View about Indian Society, Structure and Composition of Indian Society, Basic Institution of Indian Society, Familial Problems, Social Problems.

**CO-3:** To describe the Tribes Classification of Tribal People, Socio-culture Profile, Tribal Sensitization and Problems of Tribal People.

**CO-4:** To aware Concept of Crime, School of Crime, Structure of Crime, Social Evils and Crime, Punishment Co-Relation Process.

**CO-5:** To know about these thinkers August Comte, Durkheim, Karl Marx, Max Weber, Pareto, Spencer, Thorstein Veblen, R.K. Morton, Development of Sociological thought in India, Mahatma Gandhi, Radha Kamal Mukherjee,

**CO-6:** To describe the Social Research, Qualitative Research, Research Design, Tools and Techniques of Social Research, Social Statistics,

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**COURSE OUTCOMES FOR UG: ENGLISH LITERATURE**

After completion of three years course of English Literature the students will be able to:

- CO-1:** Acquire knowledge of the major Elizabethan Literatures like – Shakespeare, Milton, Pope and Bacon etc. They would know about the four genres of literature and an introduction to some literary terms.
- CO-2:** Learn about the English poets and authors from 1750 to 1900, including the Romanticists like - Blake, Wordsworth, Shelley, Keats and Browning etc. They would know about the fictional world of Dickens and Jane Austen.
- CO-3:** Know the nuances of the various forms of poetry and other genres of the Modern English period. They would be introduced to the charm of Yeats, Eliot, Oscar Wilde, Shaw and Kipling etc.
- CO-4:** Learn about various literary devices like simile, metaphor, alliteration etc. They would know the trends of Modern English Literature.
- CO-5:** Gain knowledge of all the genres of Indian Writing in English. They would enjoy the flavour of Indian English Literature of - Tagore, Sarojini Naidu, Karnad, Tendulkar and R.K. Narayan.
- CO-6:** The students would get a chance to learn about either the American Literature or the twentieth Century Literature in English (British) as per the paper they select.

# **GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

## **COURSE OUTCOMES FOR UG: HINDI LITERATURE**

### **B.A. Part I**

#### **प्राचीन हिन्दी काव्य**

- विद्यार्थियों को प्राचीन एवं मध्यकालीन कविता का ज्ञान कराना।
- हिन्दी साहित्य के स्वर्णकाल, भक्तिकाल के प्रमुख कवियों एवं उनकी काव्य प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों में साहित्यिक अभिरुचि का विकास कर सृजनात्मक लेखन हेतु प्रेरित करना।

#### **हिन्दी कथा साहित्य**

- विद्यार्थियों को कथा साहित्य की विविध प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों को प्रमुख उपन्यासों एवं कहानियों के पाठ के माध्यम से कथा साहित्य के प्रति अभिरुचि का विकास कराना।
- विद्यार्थियों में भाषा के रचनात्मक पहलू की समझ का विकास कराना।
- हिन्दी कहानी और उपन्यास के विकासक्रम का ज्ञान कराना।

### **B.A. Part IIrd**

#### **अर्वाचीन हिन्दी काव्य**

- विद्यार्थियों को हिन्दी कविता के आधुनिक काल की विविध प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों को हिन्दी साहित्य के आधुनिक काल के प्रमुख काव्य आन्दोलनों का परिचय कराना।
- विद्यार्थियों को हिन्दी के कार्यालयीन एवं व्यवहारिक स्वरूप से परिचित कराना।
- विद्यार्थियों में सृजनात्मक क्षमता का विकास कराना।

#### **हिन्दी निबंध तथा अन्य गद्यविधाएं**

- विद्यार्थियों को हिन्दी निबंध एवं अन्य गद्य विधाओं का परिचय कराना।
- विद्यार्थियों को नाटककार, एकांकीकार तथा उनकी रचनाओं से परिचित कराना।
- विद्यार्थियों को नाटक एवं एकांकियों के माध्यम से सामाजिक समस्याओं का ज्ञान कराकर उनके समाधान हेतु प्रेरित करना।
- विद्यार्थियों में लेखकों के लेखन शैली के प्रति आलोचनात्मक दृष्टि का विकास करना।

### **B.A. Part IIIrd**

#### **छत्तीसगढ़ भाषा एवं साहित्य**

- विद्यार्थियों में छत्तीसगढ़ी भाषा एवं साहित्य के प्रति अभिरुचि का विकास करना।
- विद्यार्थियों को छत्तीसगढ़ी भाषा एवं व्याकरण का ज्ञान कराकर, छत्तीसगढ़ी में साहित्य सृजन की क्षमता का विकास करना।
- छत्तीसगढ़ी भाषा के प्रमुख रचनाकारों से परिचित कराना।
- छत्तीसगढ़ी भाषा की कविता एवं गद्य की विविध विधाओं का ज्ञान कराना।
- विद्यार्थियों में छत्तीसगढ़ी साहित्य के प्रति आलोचनात्मक दृष्टि का विकास कराना।

#### **हिन्दी भाषा एवं साहित्य का विकास तथा काव्यांग विवेचन**

- विद्यार्थियों को हिन्दी भाषा के लेखन, पठन और वाचनकला का विकास करना।
- हिन्दी भाषा के विविध रूपों से परिचित कराना।
- विद्यार्थियों को हिन्दी साहित्य के सभी कालखण्डों (आदिकाल, भक्तिकाल, रीतिकाल एवं आधुनिक काल) की पृष्ठभूमि, परंपरा, प्रवृत्ति एवं रचनाकारों तथा उनकी प्रमुख रचनाओं से परिचित कराना।
- विद्यार्थियों में हिन्दी साहित्य के इतिहास लेखन की परंपरा और उसके प्रति आलोचनात्मक दृष्टि का विकास कराना।

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**  
**COURSE OUTCOMES FOR UG: ENGLISH LANGUAGE**

After completion of three years Compulsory Course of English Language the students will be able:

**B.A/B.Com/B.Sc - 1st Year**

**CO-1:** To acquire knowledge of the basics of Indian culture, scriptures, Indian art, and fundamental duties and write correct English with knowledge of grammar and vocabulary.

**B.A/B.Com/B.Sc - 2nd Year**

**CO-2:** To know about India with special reference to Science and Technology.

**CO-3:** To understand about the major scientific discoveries, inventions and scientists of ancient and modern India.

**CO-4** To comfortable enough to read and write English with the help of grammar and vocabulary.

**B.A/B.Com/B.Sc - 3rd Year**

**CO-5:** To acquire knowledge of the development of India and its people during the last seven decades that is from Independence until the present times.

**CO-6:** To use English language correctly in written and spoken communication.

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**COURSE OUTCOMES FOR UG: HINDI BHASHA**

**B.A/B.Com/B.Sc - Ist Year**

- CO-1:** – हिन्दी के चयनित गद्य एवं काव्य का अध्ययन कराना।  
– वर्ण एवं शब्द विचार से परिचित कराना।  
– देवनागरी लिपि के उद्भव और विकास से परिचित कराना।  
– कम्प्यूटर में हिन्दी के अनुप्रयोग से परिचित कराना।  
– भाषा एवं समाज के विविध रूपों एवं अंतर्सम्बन्धों का अध्ययन कराना।

**B.A/B.Com/B.Sc - IIrd Year**

- CO-2:** – चयनित निबंधों के माध्यम से निबंध विधा का परिचय प्राप्त कराना।  
– कार्यालयीन भाषा के रूप में हिन्दी का ज्ञान कराना।  
– संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, संधि, समास का अध्ययन कराना।  
– अनुवाद (अंग्रेजी–हिन्दी) से परिचित कराना।

**B.A/B.Com/B.Sc - IIIrd Year**

- CO-3:** – चयनित कविता, कहानी, निबंध एवं पत्र का अध्ययन कराना।  
– कथन की विविध शैलियों से परिचित कराना।  
– विभिन्न व्याकरणिक संरचनाओं का ज्ञान कराना।  
– कार्यालयीन पत्र–परिपत्र, आदेश, अधिसूचना, ज्ञापन, अनुस्मारक, पृष्ठांकन और आलेख का परिचय और अभ्यास कराना।  
– प्रतिवेदन लेखन का अभ्यास कराना।



**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**PROGRAMME OUTCOMES FOR UG: B.SC.**

After successful completion of Undergraduate three years B.Sc. general Degree Programme, the Students will be able:

PO-1. Chemistry:

- To impart knowledge on different topic of chemistry viz: Inorganic, Organic, and Physical chemistry the core course would help to enrich the subject knowledge of the students and increase their confidence level in the field of both Academia and Industry. This course has brought an opportunity in front of students to gain knowledge on various multi-disciplinary subjects both theoretically and practically.

PO-2. Botany:

- To identify the Bacteria, Viruses and Bryophytes, Liches and Algae, Pteridophytes, Bryophytes, Gymnosperms and Palaeobotany.
- To know about Plants Taxonomy, Economic Botany, Plant Anatomy and Embryology, Plants Physiology and Ecology.
- To study the Plants Pathology, Experimental Embryology, Elementary Bio Statistics, Environmental Pollution and Genetics, Molecular Biology, Bio Technology, and Bio Chemistry.

PO-3. Zoology:

- To acquire the knowledge of Cell biology, Non-Chordates, Chordates and Embryology.
- To understand the basic concepts of Anatomy, Physiology, Endocrinology and Reproductive biology of Vertebrates. Behavior, Evolution and applied Zoology.
- Students received knowledge of Ecology, Environmental Biology, Toxicology, Microbiology, Medical Zoology, Genetics, Cell Physiology, Biochemistry, Biotechnology, and Biotechniques

PO-4. Environmental Studies:

- To understand the issues of Environmental Contexts and Sustainable Development.

PO-5. English Language:

- To equip the Students with basic communication Skills in English.
- To make them capable of Writing and Speaking in English correctly.
- To enhance their knowledge of Grammar and Vocabulary of English.

PO-6. Hindi Bhasa:

- छात्र-छात्रा हिन्दी भाषा की आधारभूत व्याकरणिक इकाईयों से परिचित हो सकेंगे।
- हिन्दी भाषा और उसके विविध रूपों का ज्ञान प्राप्त कर सकेंगे।
- छात्र-छात्राओं की रचनात्मक और अवबोध क्षमता का विकास हो सकेगा।
- छात्र-छात्रा व्याकरण में बुनियादी ज्ञान, संप्रेषण, कौशल सामाजिक संदेश एवं भाषायी दक्षता को विकसित कर अपने व्यावहारिक जीवन में उसका प्रयोग कर सकेंगे।

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**Course Outcomes for UG: Chemistry**

After completion of three years Course of Chemistry the students will be able:

- CO-1: To acquire the knowledge of Atomic Structure, Periodic Properties, Chemical Bonding-I: Ionic bond, Chemical Bonding-II: Covalent bond, s-Block Elements, p-Block Elements, Chemistry of Novel Gases and Theoretical Principles in Qualitative Analysis (H<sub>2</sub>S).
- CO-2: To know about the Basics of Organic Chemistry, Introduction to Stereochemistry, Conformational Analysis of Alkanes, Chemistry of Aliphatic hydrocarbons: Carbon-Carbon sigma bonds, Carbon-Carbon Pi bonds, Aromatic Hydrocarbons.
- CO-3: To get the basic knowledge of Mathematical Concepts for Chemist, Gaseous state Chemistry, Liquid state Chemistry, Colloids and Surface Chemistry, Solid State Chemistry, Chemical Kinetics, Catalysis.
- CO-4: To learn about the Chemistry of Transition Series Elements, Oxidation and Reduction, Co-Ordination Compounds, Co-Ordination Chemistry, Chemistry of Lanthanide Elements, Chemistry of Actinides, Acids-Bases, Non-Aqueous Solvents.
- CO-5: To illustrate about the Chemistry of Organic Halides: Alkyl halides, Aryl halides, Alcohols: Alcohol, Trihydric alcohols, Aldehydes and Ketones, Carboxylic Acids: Di carboxylic acids, Carboxylic acid derivatives, Organic Compounds of Nitrogen.
- CO-6: To explain about the Thermodynamics-I, Thermo Chemistry, Thermodynamics-II: Second Law of Thermodynamics, Chemical Equilibrium, Ionic Equilibrium, Phase Equilibrium, and Photochemistry
- CO-7: To perceive about the Metal-Ligand Bonding in transition Metal Complexes, Thermodynamic and Kinetic aspects of Metal complexes, Magnetic Properties of Transition Metal Compound, electronic Spectra of Transition Metal Complexes, Organometallic Chemistry, Catalysis by Organometallic Compounds, Bio-Inorganic Chemistry, Hard and Soft Acids and Bases (HSAB), Inorganic Polymers.
- CO-8: To describe about the Heterocyclic Compounds, Organometallic Reagents, Organic Synthesis via Enolates, Biomolecules: Carbohydrates, amino Acids, Proteins and nucleic acids, Synthetic Polymers, Synthetic Dyes, Infra-Red Spectroscopy, UV- Visible Spectroscopy, NMR Spectroscopy,
- CO-9: To able to designate about the Quantum Mechanics-I, Quantum Mechanics- II, Spectroscopy : Introduction, Vibrational Spectroscopy, Raman Spectroscopy, Raman Spectrum, Electronic Spectroscopy, Electrochemistry-I: Electrolytic Conductance, Theories of Strong Electrolytes, Electrochemistry-Electrochemical cell and Galvanic Cells, single Electrode Potential, Concentration Cell.

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**Course Outcomes for UG: Botany**

After completion of three years Course of Botany the students will be able:

CO-1: To understand the Viruses, Bacteria, Fungi, Algae and Lichens.

CO-2: To illustrate of Bryophytes, Pteridophytes, General Account and Systematic Position of Pteridophytes Members, Gymnosperms and Palaeobotany.

CO-3: To know about Taxonomy of Angiosperms, Botanical Nomenclature, Modern Trends of Taxonomy, Herbarium Technique, Terminology for Botanical Description, Dicotyledonous Families, Economics Botany, Plant Anatomy And Embryology.

CO-4: To acquire the knowledge of Introduction of and Scope of Ecology, Environmental and Ecological Factors, Population and Community Ecology, Concept of Eco-System, Biogeochemical Cycles, Plant water Relation, Photosynthesis, Respiration, Plant Growth Hormones.

CO-5: To learn the Structure Principle And Application of Analytical Instruments-Autoclave, Incubator, Plant tissue Culture Techniques, Growth Media, Totipotency, Somatic Hybrids, General Symptoms of Fungal Bacterial and Viral diseases, Introduction to pollution, Green House Gases, B.O.D and C.O.D, biodiversity, Phytoremediation, concepts of Sustainable Development, Elementary Biostatistics.

CO-6: To known about Cell and Cell Organelles, Mendal's Laws, Linkage and Crossing over, Gene concepts, Nucleic acids, Operon Model, Cytoplasmic Inheritance, RNA, Mutation, Genetic Code and Protein Synthesis, Regulation of Gene Expression, Genetic Engineering, Recombinant DNA Technology, Application of Biotechnology, Protein- Composition and Structure, Carbohydrates, Fact and Fatty acids, Enzymes

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**Course Outcomes for UG: Zoology**

After completion of three years Course of Zoology the students will be able:

- CO-1: To acquired the knowledge of Cell, Cell division, General Characters and Classification and Type, Study of Phylum Protozoa-Paramecium, Porifera-Sycon, Coelenterata- Obelia, Platyhelminthes and Nematelminthes-Fasciola,Ascaris,Annelida-Pheretima, Arthropoda Palaemone and Echinodermata-Asterias.
- CO-2: Students understands the Structure and Classification of Chordata-Balanoglossus, Amphioxus, Petromyzon and Myxine, Fish, Amphibia, Reptiles, Birds and Mammals, Embryology of Frog, Chicks and Mammals.
- CO-3: Students will have the concepts regarding Comparative Anatomy and Physiology of Various Organ System of Vertebrates: Integument, Endoskeleton Digestive, Respiratory, Nervous, Musculature and Urinogenital System.
- CO-4: Students are able to describe structure and function of Endocrine Glands, Reproductive cycle in Vertebrates, Animal behaviour, Culture of Prawn, Fish, Silk Insect and Honey Bee, Poultry Keeping and Pest Control.
- CO-5: Students received the knowledge of Ecology, Pollution, Ecosystem, Toxicology, Heavy Metal Toxicity, Animal Poisons and Food Poisoning, Microbiology of domestic water, Sewage, Dairy and Industry, Pathogenic Microorganisms, Life history and Pathogenicity of Entamoeba, Trypanosome and Plasmodium, Nematode Parasite of Man and Insect Vector.
- CO-6: Students will have the concepts of Linkage, Sex Linkage and Determination, Gene Interaction, Human Genetics, Cell Physiology, pH Transport and Enzymes. Amino Acid and Peptides, Carbohydrate, Lipid and Protein Metabolism, Application of Biotechnology, Gene Cloning, Hybridoma, Transgenic Animals, Principles and Techniques of pH Meter, Colorimeter, Microscope, Centrifuge and Chromatography.

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**Programme Outcomes for UG: B.Com.**

After successful completion of three years Undergraduate B.Com general Degree Programme, the Students will be able:

PO-1-B.Com. - 1st Year – To provide basic knowledge regarding financial accounting, business communication, business mathematics, business economics and business environment.

PO-2-B.Com. - 2nd Year – To acquaint skills regarding corporate accounting, company law, principles of business management, cost accounting business statistics and fundamentals of entrepreneurship.

PO-3-B.Com. - 3rd Year – To know about various kinds of taxes, Implication of management of accounting in an organization and providing basic knowledge about Auditing and Marketing.

**GOVT. Maa Mahamaya College Khadgawan, Dist-Koriya (C.G.)**

**Course Outcomes for UG: B.Com**

After completion of three years Course of Commerce, the students will be able:

**B.Com.-1st year**

CO-1: (Financial Accounting) - To understand basic accounting knowledge as applicable to business.

CO-2: (Business Communication) - To develop effective business communication skills.

CO-3: (Business Mathematics) - To have such minimum knowledge of mathematics as is applicable to business and economic situations.

CO-4: (Business Regulatory Framework) -To get a brief idea about the framework of Indian business laws.

CO-5: (Business Environment) - To familiarize themselves with the emerging issues in the business at the national and international level in the light of the policy of liberalization and globalization.

CO-6: (Business Economics) - To enhance their understanding regarding the principles of business economics as are applicable in business.

**B.Com.-2nd Year**

CO-7: (Corporate Accounting) - To develop awareness about corporate accounting in compliance with the provision of Companies Act, 2013.

CO-8: (Company Law) - To acquire basic knowledge of the provision of Companies Act, 2013, along with relevant case law.

CO-9: (Cost Accounting) - To understand the basic concepts and the tools used in cost accounting.

CO-10: (Principles of Business Management) - To familiarizes them with the basics of principles of management.

CO-11: (Business Statistics) -To understand various Statistical Techniques which are applicable to business.

CO-12: (Fundamentals of Entrepreneurship) -To understand the entrepreneurial culture and industrial growth so as to prepare them to set up and manage their own small units.

## **B.Com. -3rd Year**

CO-13: (Income Tax) - To know about the basics concept of the income tax act and its implications.

CO-14: (Auditing) - To acquire the knowledge about principles and methods of auditing and their applications.

CO-15: (Indirect Taxes) - To acquire basic knowledge about GST and applying the provision of GST Law to various situations.

CO-16: (Management Accounting) -To understand the application of the accounting techniques which are useful for the managerial decision making.

CO-17: (Principles of Marketing) - To understand the concept of marketing and its applications.

CO-18: (International Marketing) - To acquire the conceptual knowledge regarding the operations of marketing in an international environment.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: English Language

After completion of three years Compulsory Course of English Language the students will be able:

### B.A/B.Com/B.Sc - I<sup>st</sup> Year

**CO-1:** To acquire knowledge of the basics of Indian culture, scriptures, Indian art, and fundamental duties and write correct English with knowledge of grammar and vocabulary.

### B.A/B.Com/B.Sc - II<sup>nd</sup> Year

**CO-2:** To know about India with special reference to Science and Technology.

**CO-3:** To understand about the major scientific discoveries, inventions and scientists of ancient and modern India.

**CO-4:** To comfortable enough to read and write English with the help of grammar and vocabulary.

### B.A/B.Com/B.Sc - III<sup>rd</sup> Year

**CO-5:** To acquire knowledge of the development of India and its people during the last seven decades that is from Independence until the present times.

**CO-6:** To use English language correctly in written and spoken communication.



# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Botany

After completion of three years Course of Botany the students will be able:

- CO-1:** To understand the Viruses, Bacteria, Fungi, Algae and Lichens.
- CO-2:** To illustrate of Bryophytes, Pteridophytes, General Account and Systematic Position of Pteridophytes Members, Gymnosperms and Palaeobotany.
- CO-3:** To know about Taxonomy of Angiosperms, Botanical Nomenclature, Modern Trends of Taxonomy, Herbarium Technique, Terminology for Botanical Description, Dicotyledonous Families, Economics Botany, Plant Anatomy And Embryology.
- CO-4:** To acquire the knowledge of Introduction of and Scope of Ecology Environmental and Ecological Factors, Population and Community Ecology, Concept of Eco-System, Biogeochemical Cycles, Plant water Relation, Photosynthesis, Respiration, Plant Growth Hormones.
- CO-5:** To learn the Structure Principle And Application of Analytical Instruments-Autoclave, Incubator, Plant tissue Culture Techniques, Growth Media, Totipotency, Somatic Hybrids, General Symptoms of Fungal Bacterial and Viral diseases, Introduction to pollution, Green House Gases, B.O.D and C.O.D, biodiversity, Phytoremediation, concepts of Sustainable Development, Elementary Biostatics.
- CO-6:** To known about Cell and Cell Organelles, Mendal's Laws, Linkage and Crossing over, Gene concepts, Nucleic acids, Operon Model, Cytoplasmic Inheritance, RNA, Mutation, Genetic Code and Protein Synthesis, Regulation of Gene Expression, Genetic Engineering, Recombinant DNA Technology, Application of Biotechnology, Protein- Composition and Structure, Carbohydrates, Fact and Fatty acids, Enzymes.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Programme Outcomes for UG:B.Sc.

After successful completion of Undergraduate three years B.Sc. general Degree Programme, the Students will be able:

### PO-1.Chemistry:

- To impart knowledge on different topic of chemistry viz: Inorganic, Organic, and Physical chemistry the core course would help to enrich the subject knowledge of the students and increase their confidence level in the field of both Academia and Industry. This course has brought and opportunity in front of students to gain knowledge on various multi-disciplinary subjects both theoretically and practically.

### PO-2.Botany:

- To identify the Bacteria, Viruses and Bryophytes, Liches and Algae, Pteridophytes, Bryophytes, Gymnosperms and Palaeobotany.
- To know about Plants Taxonomy, Economic Botany, Plant Anatomy and Embryology, Plants Physiology and Ecology.
- To study the Plants Pathology, Experimental Embryology, Elementary Bio Statistics, Environmental Pollution and Genetics, Molecular Biology, Bio Technology, and Bio Chemistry.

### PO-3.Zoology:

- To acquire the knowledge of Cell biology, Non-Chordates, Chordates and Embryology.
- To understand the basic concepts of Anatomy, Physiology, Endocrinology and Reproductive biology of Vertebrates. Behavior, Evolution and applied Zoology.
- Students received knowledge of Ecology, Environmental Biology, Toxicology, Microbiology, Medical Zoology, Genetics, Cell Physiology, Biochemistry, Biotechnology, and Biotechniques

### PO-4.Environmental Studies:

- To understand the issues of Environmental Contexts and Sustainable Development.

### PO-5.English Language:

- To equip the Students with basic communication Skills in English.
- To make them capable of Writing and Speaking in English correctly.
- To enhance their knowledge of Grammar and Vocabulary of English.

### PO-6.Hindi Bhasa:

- छात्र-छात्रा हिन्दी भाषा की आधारभूत व्याकरणिक इकाईयों से परिचित हो सकेंगे।
- हिन्दी भाषा और उसके विविध रूपों का ज्ञान प्राप्त कर सकेंगे।
- छात्र-छात्राओं की रचनात्मक और अवबोध क्षमता का विकास हो सकेगा।
- छात्र-छात्रा व्याकरण में बुनियादी ज्ञान, संप्रेषण, कौशल सामाजिक संदेश एवं भाषायी दक्षता को विकसित कर अपने व्यवहारिक जीवन में उसका प्रयोग कर सकेंगे।

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Zoology

After completion of three years Course of Zoology the students will be able:

CO-1: To acquired the knowledge of Cell, Cell division, General Characters and Classification and Type, Study of Phylum Protozoa-Paramecium, Porifera-Sycon, Coelenterata-Obelia, Platyhelminthes and Nematelminthes-Fasciola, Ascaris, Annelida-Pheretima, Arthropoda- Palaemone and Echinodermata-Asterias.

CO-2: Students understands the Structure and Classification of Chordata-Balanoglossus, Amphioxus, Petromyzon and Myxine, Fish, Amphibia, Reptiles Birds and Mammals, Embryology of Frog, Chicks and Mammals.

CO-3: Students will have the concepts regarding Comparative Anatomy and Physiology of Various Organ System of Vertebrates: Integument, Endoskeleton Digestive, Respiratory, Nervous, Musculature and Urinogenital System.

CO-4: Students are able to describe structure and function of Endocrine Glands, Reproductive cycle in Vertebrates, Animal behaviour, Culture of Prawn, Fish, Silk Insect and Honey Bee, Poultry Keeping and Pest Control.

CO-5: Students received the knowledge of Ecology, Pollution, Ecosystem, Toxicology, Heavy Metal Toxicity, Animal Poisons and Food Poisoning, Microbiology of domestic water, Sewage, Dairy and Industry, Pathogenic Microorganisms, Life history and Pathogenicity of Entamoeba, Trypanosome and Plasmodium, Nematode Parasite of Man and Insect Vector.

CO-6: Students will have the concepts of Linkage, Sex Linkage and Determination, Gene Interaction, Human Genetics, Cell Physiology, pH Transport and Enzymes. Amino Acid and Peptides, Carbohydrate, Lipid and Protein Metabolism, Application of Biotechnology, Gene Cloning, Hybridoma, Transgenic Animals, Principles and Techniques of pH Meter, Colorimeter, Microscope, Centrifuge and Chromatography.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Commerce

After completion of three years Course of  
Commerce, the students will be able:

### **B.Com.-1<sup>st</sup> year**

- CO-1: (Financial Accounting) -  
To understand basic accounting knowledge as applicable to business.
- CO-2: (Business Communication) -  
To develop effective business communication skills.
- CO-3: (Business Mathematics) -  
To have such minimum knowledge of mathematics as is applicable to  
business and economic situations.
- CO-4: (Business Regulatory Framework) -  
To get a brief idea about the framework of Indian business laws.
- CO-5: (Business Environment) -  
To familiarize themselves with the emerging issues in the business at the  
national and international level in the light of the policy of liberalization  
and globalization.
- CO-6: (Business Economics) -  
To enhance their understanding regarding the principles of business economics  
as are applicable in business.

### **B.Com.-2<sup>nd</sup> Year**

- CO-7: (Corporate Accounting) - To develop awareness about corporate  
accounting in compliance with the provision of Companies Act, 2013.
- CO-8: (Company Law) -  
To acquire basic knowledge of the provision of Companies Act, 2013, along  
with relevant case law.
- CO-9: (Cost Accounting) -  
To understand the basic concepts and the tools used in cost accounting.
- CO-10: (Principles of Business Management) -  
To familiarizes them with the basics of principles of management.
- CO-11: (Business Statistics)  
To understand various Statistical Techniques which are applicable to business.
- CO-12: (Fundamentals of Entrepreneurship) -To understand the  
entrepreneurial culture and industrial growth so as to prepare them to  
set up and manage their own small units.

### **B.Com. -3<sup>rd</sup> Year**

- CO-13: (Income Tax) -  
To know about the basics concept of the income tax act and its implications.
- CO-14: (Auditing) -  
To acquire the knowledge about principles and methods of auditing and  
their applications.
- CO-15: (Indirect Taxes) -  
To acquire basic knowledge about GST and applying the provision of GST  
Law to various situations.
- CO-16: (Management Accounting) -  
To understand the application of the accounting techniques which are useful  
for the managerial decision making.
- CO-17: (Principles of Marketing) -  
To understand the concept of marketing and its applications.
- CO-18: (International Marketing) -  
To acquire the conceptual knowledge regarding the operations of marketing  
in an international environment.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Hindi Bhasha

### **CO-1:**

- हिन्दी के चयनित गद्य एवं काव्य का अध्ययन कराना।
- वर्ण एवं शब्द विचार से परिचित कराना।
- देवनागरी लिपि के उद्भव और विकास से परिचित कराना।
- कम्प्यूटर में हिन्दी के अनुप्रयोग से परिचित कराना।
- भाषा एवं समाज के विविध रूपों एवं अंतर्सम्बंधों का अध्ययन कराना।

### **CO-2:**

- चयनित निबंधों के माध्यम से निबंध विधा का परिचय प्राप्त कराना।
- कार्यालयीन भाषा के रूप में हिन्दी का ज्ञान कराना।
- संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, संधि, समास का अध्ययन कराना।
- अनुवाद (अंग्रेजी-हिन्दी) से परिचित कराना।

### **CO-3:**

- चयनित कविता, कहानी, निबंध एवं पत्र का अध्ययन कराना।
- कथन की विविध शैलियों से परिचित कराना।
- विभिन्न व्याकरणिक संरचनाओं का ज्ञान कराना।
- कार्यालयीन पत्र-परिपत्र, आदेश, अधिसूचना, ज्ञापन, अनुस्मारक, पृष्ठांकन और आलेख का परिचय और अभ्यास कराना।
- प्रतिवेदन लेखन का अभ्यास कराना।

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Programme Outcomes for UG: B.Com.

After successful completion of Three years Undergraduate B.Com general Degree Programme, the Students will be able:

- **B.Com. - 1<sup>st</sup> Year -**  
To provide basic knowledge regarding financial accounting, business communication, business mathematics, business economics and business environment.
- **B.Com. - 2<sup>nd</sup> Year -**  
To acquaint skills regarding corporate accounting, company law, principles of business management, cost accounting business statistics and fundamentals of entrepreneurship.
- **B.Com. - 3<sup>rd</sup> Year -**  
To know about various kinds of taxes, Implication of management of accounting in an organization and providing basic knowledge about Auditing and Marketing.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Geography

After completion of three years Course of Geography the students will be able:

**CO-1:** To know the Nature and Scope of Physical Geography, Earth Movement, Climatology, Climatic Classification, Basic knowledge of Oceanography.

**CO-2:** To study the Definition and Scope of Human Geography, Classification of Human Races and their Distribution, Growth and Distribution of world Population, Rural and Urban Settlements, Global Environmental Issue.

**CO-3:** To understand the Meaning, Scope and Approaches to economic geography, Mineral Resources, Agriculture and Industrial Regions of the world and their Location, World Transportation, Conservation of resources.

**CO-4:** To Determine Physical Features, Natural Resources, Cultural Features Population, Industries Localization to Special Reference of India, Detailed study of the Region of India.

**CO-5:** To learn the Basic of Remote Sensing, Types of Remote Sensing, Remote Sensing Program of India, Introduction of GIS, Data Model and Data Analysis.

**CO-6:** To gain the knowledge about Physical Features, Natural Resources, Agriculture and Population, Industries and Transpiration to Special reference of Chhattisgarh.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Hindi Literature

### B.A. Part I

प्राचीन हिन्दी काव्य

- विद्यार्थियों को प्राचीन एवं मध्यकालीन कविता का ज्ञान कराना।
- हिन्दी साहित्य के स्वर्णकाल, भक्तिकाल के प्रमुख कवियों एवं उनकी काव्य प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों में साहित्यिक अभिरुचि का विकास कर सृजनात्मक लेखन हेतु प्रेरित करना।

हिन्दी कथा साहित्य

- विद्यार्थियों को कथा साहित्य की विविध प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों को प्रमुख उपन्यासों एवं कहानियों के पाठ के माध्यम से कथा साहित्य के प्रति अभिरुचि का विकास कराना।
- विद्यार्थियों में भाषा के रचनात्मक पहलू की समझ का विकास कराना।
- हिन्दी कहानी और उपन्यास के विकासक्रम का ज्ञान कराना।

### B.A. Part II

अर्वाचीन हिन्दी काव्य

- विद्यार्थियों को हिन्दी कविता के आधुनिक काल की विविध प्रवृत्तियों का ज्ञान कराना।
- विद्यार्थियों को हिन्दी साहित्य के आधुनिक काल के प्रमुख काव्य आन्दोलनों का परिचय कराना।
- विद्यार्थियों को हिन्दी के कार्यालयीन एवं व्यावहारिक स्वरूप से परिचित कराना।
- विद्यार्थियों में सृजनात्मक क्षमता का विकास कराना।

हिन्दी निबंध तथा अन्य गद्य विधाएं

- विद्यार्थियों को हिन्दी निबंध एवं अन्य गद्य विधाओं का परिचय कराना।
- विद्यार्थियों को नाटककार, एकांकीकार तथा उनकी रचनाओं से परिचित कराना।
- विद्यार्थियों को नाटक एवं एकांकियों के माध्यम से सामाजिक समस्याओं का ज्ञान कराकर उनके समाधान हेतु प्रेरित करना।
- विद्यार्थियों में लेखकों के लेखन शैली के प्रति आलोचनात्मक दृष्टि का विकास करना।

### B.A. Part III

छत्तीसगढ़ी भाषा एवं साहित्य

- विद्यार्थियों में छत्तीसगढ़ी भाषा एवं साहित्य के प्रति अभिरुचि का विकास करना।
- विद्यार्थियों को छत्तीसगढ़ी भाषा एवं व्याकरण का ज्ञान कराकर, छत्तीसगढ़ी में साहित्य सृजन की क्षमता का विकास करना।
- छत्तीसगढ़ी भाषा के प्रमुख रचनाकारों से परिचित कराना।
- छत्तीसगढ़ी भाषा की कविता एवं गद्य की विविध विधाओं का ज्ञान कराना।
- विद्यार्थियों में छत्तीसगढ़ी साहित्य के प्रति आलोचनात्मक दृष्टि का विकास करना।

हिन्दी भाषा एवं साहित्य का विकास तथा काव्यांग विवेचन

- विद्यार्थियों को हिन्दी भाषा के लेखन, पठन और वाचनकला का विकास करना।
- हिन्दी भाषा के विविध रूपों से परिचित कराना।
- विद्यार्थियों को हिन्दी साहित्य के सभी कालखण्डों (आदिकाल, भक्तिकाल, रीतिकाल एवं आधुनिक काल) की पृष्ठभूमि, परंपरा, प्रवृत्ति एवं रचनाकारों तथा उनकी प्रमुख रचनाओं से परिचित कराना।
- विद्यार्थियों में हिन्दी साहित्य के इतिहास लेखन की परंपरा और उसके प्रति आलोचनात्मक दृष्टि का विकास करना।



# **GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN**

## **Course Outcomes for UG: Political Science**

After completion of three years Course of Political Science the students will be able:

- CO-1:** To know the Meaning and definition of Political Science, State and its essential elements, Sovereignty and its pluralistics, kinds of Governments, Organs of Government, public welfare state.
- CO-2:** To understand Indian National Movement, Constitution of India, Union Executive, Union Judiciary, State Legislature.
- CO-3:** To know political thought of these thinkers Plato, Aristotle, Machiavelli, Hobbes, Lock and Rousseau, Bentham, mill, Green, Marx, Idealism, individualism, socialism, Liberalism, Fascism, Manu, Kautilya, Gandhi, Ambedkar, Deen Dayal Upadhyay.
- CO-4:** To acquire the knowledge of British Constitution, Constitutions of United State of America, Constitutions of Switzerland, Constitutions of China and Comparative politics.
- CO-5:** To learn International Politics, Various Theories of International politics, Foreign policy of India, India Relations with neighboring Countries, Some Major Issue of International politics.
- CO-6:** To known about Public Administration, Principles of Organization, Development Administration, Financial Administration, Corruption in Administration.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: Sociology

After completion of three years Course of Sociology the students will be able:

- CO-1: To know the Meaning of Sociology, Basic Concepts, Social Institutions, Culture and Society, Social Stratification, Social Mobility, Social Change, Social System and Process, Social Process.
- CO-2: To understand Classical View about Indian Society, Structure and Composition of Indian Society, Basic Institution of Indian Society, Familial Problems, Social Problems.
- CO-3: To describe the Tribes Classification of Tribal People, Socio-culture Profile, Tribal Sensitization, and Problems of Tribal People.
- CO-4: To aware Concept of Crime, School of Crime, Structure of Crime, Social Evils and Crime, Punishment Co-Relation Process.
- CO-5: To know about these thinkers August Comte, Durkheim, Karl Marx, Max Weber, Pareto, Spencer, Thorstein Veblen, R.K. Morton, Development of Sociological thought in India, Mahatma Gandhi, Radha Kamal Mukherjee,
- CO-6: To describe the Social Research, Qualitative Research, Research Design, Tools and Techniques of Social Research, Social Statistics,

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Course Outcomes for UG: English Literature

After completion of three years course of English Literature the students will be able to:

- CO-1: Acquire knowledge of the major Elizabethan Literatures like – Shakespeare, Milton, Pope and Bacon etc. They would know about the four genres of literature and an introduction to some literary terms.
- CO-2: Learn about the English poets and authors from 1750 to 1900, including the Romanticists like - Blake, Wordsworth, Shelley, Keats and Browning etc. They would know about the fictional world of Dickens and Jane Austen.
- CO-3: Know the nuances of the various forms of poetry and other genres of the Modern English period. They would be introduced to the charm of Yeats, Eliot, Oscar Wilde, Shaw and Kipling etc.
- CO-4: Learn about various literary devices like simile, metaphor, alliteration etc. They would know the trends of Modern English Literature.
- CO-5: Gain knowledge of all the genres of Indian Writing in English. They would enjoy the flavour of Indian English Literature of - Tagore, Sarojini Naidu, Karnad, Tendulkar and R.K. Narayan.
- CO-6: The students would get a chance to learn about either the American Literature or the twentieth Century Literature in English (British) as per the paper they select.

# GOVT. MAA MAHAMAYA COLLEGE, KHADGAWAN

## Programme Outcomes for UG:B.A.

After successful completion of Undergraduate  
Three years B.A. general Degree Programme, the Students will be able:

### PO-1.Geography:

- To understand about Physical Geography and Human Geography.
- To know Economic and Resources Geography and Geography of India.
- To knowledge about Remote Sensing and GIS and Geography of Chhattisgarh.

### PO-2.Political Science:

- To know Political Theory, Indian Govt. and Politics.
- To know the Theory and Govt. Political Thought, Comparative Governments and Politics.
- To understand International Politics and Foreign policy of India, Public administration.

### PO-3.Sociology:

- To study Introduction to Sociology, Contemporary Indian Society.
- To learn Sociology of Tribal Society, Crime and Society.
- To understand Foundations of Sociological Thought, Methods of Social Research.

### PO-4.English Literature:

- To familiarize Students with the representative authors and works of British English Literature.
- To make the Students understand the trends and History of English Literature.
- To create among Students an interest in the text of Literature and make them understand the Literacy devices of Poetry, Drama, Prose and Fiction.

### PO-5.Hindi Literature:

- विद्यार्थी हिन्दी साहित्य की विविध काव्य एवं गद्य प्रवृत्तियों से परिचित हो सकेंगे।
- चयनित पाठ्य सामग्री के माध्यम से तत्कालीन काव्य संवेदना को समझ सकेंगे।
- साहित्य के विविध रूपों के माध्यम से जीवन की अनुभूतियों, संवेदनाओं तथा विविध परिस्थितियों का साक्षत्कार कर सकेंगे।
- विद्यार्थियों की सृजनात्मक क्षमता का विकास हो सकेगा।
- विद्यार्थी की नर्मग्राहिणी प्रतिभा का विकास होगा और ऐतिहासिक परिपेक्ष्य में शुद्ध साहित्यिक विवेक का सन्निवेश होगा।

### PO-6.Environmental Studies:

- To understand the issues of Environmental Contexts and Sustainable Development.

### PO-7.English Language:

- To equip the Students with basic communication Skills in English.
- To make them capable of Writing and Speaking in English correctly.
- To enhance their knowledge of Grammar and Vocabulary of English.

### PO-8.Hindi Bhasa:

- छात्र-छात्रा हिन्दी भाषा की आधारभूत व्याकरणिक इकाईयों से परिचित हो सकेंगे।
- हिन्दी भाषा और उसके विविध रूपों का ज्ञान प्राप्त कर सकेंगे।
- छात्र-छात्राओं की रचनात्मक और अवबोध क्षमता का विकास हो सकेगा।
- छात्र-छात्रा व्याकरण में बुनियादी ज्ञान, संप्रेषण, कोशल सामाजिक संदेश एवं भाषायी दक्षता को विकसित कर अपने व्यवहारिक जीवन में उसका प्रयोग कर सकेंगे।