

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## I Year / Certificate Course

### GENERAL OPEN ELECTIVE SUBJECTS

#### For B.Com & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>ECONOMICS OF MONEY AND BANKING</b> (BUSINESS ECONOMICS) <b>A1-BECO-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand concepts and approaches about money (money supply and demand, its measures, determinants and approaches)</li><li>2. Know about the theories of financial system, financial market, money and capital market: structure, institutions and investment planning</li><li>3. Understand the theories of banking systems (also RBI), its functioning in India: credit creation, financial intermediaries, international monetary policy transmission mechanism</li><li>4. Know the monetary policy and its effectiveness in inflation and recession &amp; economic growth, role of RBI</li></ol>
<b>ORGANIZATIONAL BEHAVIOUR</b> (BUSINESS ECONOMICS) <b>A1-BECO-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Develop an understanding of the principal of human behaviour in organization with relevance to the Indian business</li><li>2. Understand the concept of attitude towards the job satisfaction</li><li>3. Understand how to link personality and values to the workplace</li><li>4. Understand the decision making process in organization</li><li>5. Understand how to develop leadership skill</li></ol>
<b>INDIAN ECONOMY - AN INTRODUCTION</b> (ECONOMICS) <b>A1-ECON-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Develop ideas of the basic characteristics and structure of Indian Economy, its potential on natural resources and infrastructure</li><li>2. Evaluate the sectoral development including agriculture, manufacturing, and services sectors in India</li><li>3. Know the role of foreign sector in economic development, economic planning since independence etc.</li><li>4. Acquire broad overview of the economy of Madhya Pradesh</li><li>5. Critically appraise current economic scenario</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>COMMUNICATIVE ENGLISH</b> (GENERAL ENGLISH)  A1-ELIT-1G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Phonology and Morphology</li><li>2. Syntax and Structure</li><li>3. Vocabulary and Discourse</li></ol> <i>The students will be able to converse in real-life situations with effective language skills. the course will also help them:</i> <ol style="list-style-type: none"><li>1. Acquire literary sense</li><li>2. Use idiomatic and lexical language</li><li>3. Communicate effectively across the globe</li></ol>
<b>ENVIRONMENTAL ISSUES AND DISASTER MANAGEMENT</b> (GEOGRAPHY)  A1-GEOG-2G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Comprehend the dynamic interactive between Man and Environment</li><li>2. Get in depth understanding about various disasters in the country</li><li>3. Develop an understanding about the human responses to the disasters</li></ol>
<b>PHYSICAL GEOGRAPHY</b> (GEOGRAPHY)  A1-GEOG-1G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Learn about the Universe, Solar System, interior of the Earth and denudation processes that shape the land forms</li><li>2. Understand the elements of Weather and Climate, Atmospheric processes and Climate classification</li><li>3. Learn about the Hydrological cycle, Ocean bottom relief and Marine Resources</li></ol>
<b>प्रयोजनमूलक हिन्दी और जनसम्पर्क - संभाषण कला</b> (प्रयोजनमूलक हिन्दी)  A1-FHIN-2G	<ol style="list-style-type: none"><li>1. विद्यार्थी को संभाषण कला के मूलभूत सिद्धांतों व भाषायी तकनीक का ज्ञान प्राप्त होगा जिससे वह निःसंकोच अपने विचारों को प्रभावी ढंग से प्रकट कर सकेगा।</li><li>2. विद्यार्थी संभाषण-कला के विभिन्न रूपों से परिचित होगा जिससे वह एंकरिंग,कमेंट्री, अनाउंसमेंट आदि किसी भी विधा के कार्य में निष्णात होकर विभिन्न क्षेत्रों में रोजगार प्राप्त कर सकेगा।</li><li>3. विद्यार्थी संभाषण कला में निष्णात होकर रेडियो, एफ.एम. रेडियो, दूरदर्शन, टी.वी. चैनलों आदि जनसंचार के विभिन्न उपक्रमों में रोजगार पा सकेगा।</li><li>4. राष्ट्रीय एवं अंतर्राष्ट्रीय स्तर पर समूह-संवाद, वाद-विवाद एवं संभाषण में हिंदी भाषा की प्रभावी उपस्थिति दर्ज होगी ताकि विश्व में अग्रगण्य भाषा के रूप में हिंदी की स्थापना हो सके।</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>हिन्दी और विज्ञापन व्यवसाय</b> (प्रयोजनमूलक हिन्दी) <b>A1-FHIN-1G</b></p>	<ol style="list-style-type: none"><li>1. इस पाठ्यक्रम के अध्ययनोपरांत विद्यार्थी को प्रिंट मीडिया, इलेक्ट्रॉनिक मीडिया, विज्ञापन एजेंसियों व अन्य संस्थाओं में विज्ञापन-लेखन के माध्यम से रोजगार के अवसर उपलब्ध हो सकेंगे।</li><li>2. विभिन्न प्रकार के विज्ञापनों से संबंधित स्लोगन, गीत, जिंगल-लेखन, तुकांत कविता, रेखाचित्र, बैनर, पोस्टर, रंग-संयोजन, कैलेंडर-निर्माण आदि के कौशल का विकास विद्यार्थी में हो सकेगा।</li><li>3. अपने देश, समाज एवं क्षेत्र विशेष के उपभोक्ता की रुचि, क्रय-शक्ति एवं वस्तु की मांग से विद्यार्थी विज्ञापन-लेखन के दौरान परिचित होगा, जिससे उसमें विश्लेषण क्षमता का विकास हो सकेगा।</li><li>4. विज्ञापन को तथ्यात्मक बनाने के लिए विद्यार्थी विभिन्न उत्पाद कंपनियों के उत्पादों की जानकारी प्राप्त करने का प्रयास करेगा जिससे-उसमें तुलनात्मक एवं तार्किक विवेचन की क्षमता का विकास होगा, जिससे वह स्वयं का व्यवसाय आरंभ करने के लिए भी प्रेरित हो सकेगा।</li><li>5. विज्ञापन-लेखन के अभ्यास से विद्यार्थी में कल्पनाशीलता, रचनात्मकता एवं भाषा के विविधता भरे कौशल की अभिवृद्धि होगी।</li></ol>
<p><b>CONSTITUTIONAL HISTORY OF INDIA (HISTORY)</b> <b>A1-HIST-2G</b></p>	<p><i>Students will analyse the salient features of the constitutional development during Company's Rule in India from 1773-1857 and to assess their impact on the freedom struggle of India.</i></p> <ol style="list-style-type: none"><li>1. They will know about the influence of the British Crown on India.</li><li>2. They will be able to write a detailed essay on the various acts passed during the Crown's period in India from 1858-1947 and their impact on socio-political life of India.</li><li>3. Students will be able to critically examine the major reforms by the British government in India and highlight salient features.</li><li>4. They will gain the knowledge of Indian constitution.</li><li>5. It will develop communication skills, analytical skills and critical thinking.</li><li>6. Students will learn drastic change in approach, treatment and technique of historical literature and the various aspects of the widened scope of history.</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>HERITAGE MANAGEMENT IN INDIA</b> (HISTORY) <b>A1-HIST-1G</b></p>	<ol style="list-style-type: none"> <li>1. Students will gain the knowledge of the basic concept related to heritage and the challenges of heritage management.</li> <li>2. They will be enabled to present a detailed essay on the various sources of cultural heritage, intangible heritage and the role of digital technology in heritage management.</li> <li>3. They may learn about the various ethics and method of preservation and conservation of heritage and inspire others also to contribute towards maintenance of our heritage.</li> <li>4. Students will also be able to know about the problem, law and parameter of the heritage management.</li> </ol>
<p><b>CHILD RIGHTS AND WOMAN EMPOWERMENT</b> (HOME SCIENCE) <b>H1-HSCB-1G</b></p>	<p><i>Studying Child Rights and Gender Empowerment would enable students to learn about the various dimensions of Vulnerability with regard to children. Students will be able to-</i></p> <ol style="list-style-type: none"> <li>1. Understand the issues related to child rights, gender roles and conservatism</li> <li>2. Familiarize with policies and programs related to Child Protection and Gender Empowerment</li> <li>3. Contribute to social work in collaboration with non- Governmental organizations</li> </ol>
<p><b>INDIAN POLITICAL SYSTEM</b> (POLITICAL SCIENCE) <b>A1-POSC-1G</b></p>	<p><i>Students will be able to understand nature of Indian Political system and its determinants.</i></p> <ol style="list-style-type: none"> <li>1. They will be able to answer questions related to the functions and role of the President, Prime Minister, Parliament and Supreme Court, party system in the institutional settings of Indian Political System.</li> <li>2. They will be able to understand basic problems of Indian Political System.</li> <li>3. They will be able to identify the challenges of Indian Political system.</li> <li>4. They will be able to examine the role of Panchayati Raj in Indian Democracy.</li> <li>5. They will study the Election Commission and electoral process in India and assess Judicial Activism in India with particular reference to Supreme Court.</li> <li>6. They will study the process of interaction between society and politics in contemporary India, Linguistics, Regionalism, Casteism, and Communalism.</li> <li>7. It will help them create an awareness about poverty, Social Justice, Gender Justice, Defection Politics, election reforms.</li> </ol>



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>INDIAN NATIONAL MOVEMENT</b> (POLITICAL SCIENCE)</p> <p><b>A1-POSC-2G</b></p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Understand rise and growth of national movement in India</li> <li>2. Answer how socio-religious movement influenced the national consciousness</li> <li>3. Answer questions pertaining to Indian National Congress</li> <li>4. Describe the significance of Gandhian Movement</li> <li>5. Identify other movements and their role in National Movement</li> <li>6. Understand the rise and consequences of communalism and the process of transfer of power</li> </ol>
<p><b>PUBLIC ADMINISTRATION: THEORY AND PRACTICE</b> (PUBLIC ADMINISTRATION)</p> <p><b>A1-PUAD-1G</b></p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Understand nature of Public Administration and its determinants</li> <li>2. Acquire the knowledge of administrative practices and functioning of administration</li> <li>3. Learn about the key concept of academic discipline of Public Administration</li> <li>4. Understand the role of Public Administration as the main instrument to achieve developmental goals</li> <li>5. Answer questions related to the Chief Executive</li> <li>6. Understand basic problems of Personnel Administration</li> <li>7. Identify the areas of participation of people in administration</li> <li>8. Study E-Governance, its features, advantages and Challenges</li> </ol>
<p><b>SOCIOLOGY OF INDIA</b> (SOCIOLOGY)</p> <p><b>A1-SOCI-2G</b></p>	<p><i>The course will enhance the conceptual learning and understanding of the basic concept used in Sociology.</i></p> <ol style="list-style-type: none"> <li>1. Students will know about the Indian social structure.</li> <li>2. The course will enhance an understanding about predominant social issues of Indian society.</li> <li>3. This course will enhance the understanding about tribal, rural and urban society in terms of their life culture, tradition and living pattern.</li> </ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>INTRODUCTION TO SOCIOLOGY</b> (SOCIOLOGY) <b>A1-SOCI-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. This course will enhance the conceptual learning and understanding of the basic concepts used in Sociology.</li><li>2. The paper will contribute in enriching the vocabulary and scientific temperament of the students about human society.</li><li>3. In this course students will get information about employment opportunities related to the discipline of Sociology.</li><li>4. The course will provide knowledge about socio-cultural processes.</li></ol>
<b>APPLIED PHILOSOPHY OF SHRI RAMCHARIT MANAS</b> (PHILOSOPHY) <b>A1-PHIL-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Develop humanitarian perspective and develop the ability of balanced leadership by focusing on various aspects of personality development</li><li>2. Become acquainted with life values which are required in the society at present</li><li>3. Become motivational speaker and good orator in the field of stress management and personality development</li></ol>
<b>MEDICAL AND WELLNESS TOURISM</b> (TOURISM AND TRAVEL MANAGEMENT) <b>M1-TNTA-2G</b>	<ol style="list-style-type: none"><li>1. Students will get aware of legal aspects in medical tourism to execute hassle free tours.</li><li>2. Students will understand the growing importance of medical tourism in the contemporary world.</li><li>3. Students will analyse and understand push pull factors as motivators for medical tourists throwing some light on AYUSH, India as a medical tourism destination and its contribution to Indian tourism.</li></ol>

Govt PG College, Guna (MP)

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## GENERAL OPEN ELECTIVE SUBJECTS

### For B.A. & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>BASICS OF BUSINESS STUDIES</b> (COMMERCE) C1-COMA-1G	<ol style="list-style-type: none"><li>1. The course will be helpful to provide basic knowledge of business.</li><li>2. Students will be capable to understand business ethics to guide corporate sector and feel and perform its responsibility towards society.</li><li>3. Students will be capable to understand ethical aspect of business, banking system, banking procedure.</li><li>4. Students will be capable to understand practical banking, insurance system, insurance procedure, stock exchange system.</li></ol>
<b>BUSINESS ORGANIZATION AND MANAGEMENT</b> (COMMERCE) C1-COHB-1G	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Develop a basic understanding about business organization and its forms</li><li>2. Develop rudimentary concept of plant location, layout and size of business units and their respective importance in the practical world</li><li>3. Acquire and understand business combinations, rationalization and nationalization.</li><li>4. Gain insight into the management process and its functions of planning, organizing, staffing, directing and control</li></ol>
<b>FUNDAMENTAL OF ACCOUNTING</b> (COMMERCE) C1-COMA-2G	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Record the Basic Journal entries</li><li>2. Calculate the Depreciation of Assets</li><li>3. Maintain the financial statements</li><li>4. Rectify errors in Accounts</li><li>5. Maintain different ledgers</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>BANKING INSTITUTIONS IN INDIA (RURAL BANKING)  A1-RBAN-2G</b>	<ol style="list-style-type: none"><li>1. Students will gain a strong understanding about the Banking Structure in India.</li><li>2. Students will get acquainted with regulatory structure of Banking sector in India.</li><li>3. Students will understand about various banking institutions including rural banking along with their basic functions and their role in economic development.</li><li>4. Students will gain a deeper insight about trends in banking in India.</li></ol>
<b>MONEY AND BANKING (RURAL BANKING)  A1-RBAN-1G</b>	<p><i>This course will enable to the student to develop an awareness about the basic concepts, theories and approaches to understand the role and the functioning of the monetary and banking systems, with relevance to the Indian business context.</i></p>





# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## GENERAL OPEN ELECTIVE SUBJECTS

### For B.A. & B.Com

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>NURSERY MANAGEMENT</b> (BOTANY)  S1-BOTA-1G	<ol style="list-style-type: none"><li>1. After completing this course, students will be able to develop entrepreneurship capacity at small and large scale.</li><li>2. After completing this course, students will be able to understand the methods of propagation, techniques of implementation, advance knowledge of micropropagation including commercial management practices.</li><li>3. After completing this course High- tech nursery establishment as a venture is possible.</li><li>4. After completing this course, students will get skills of practical application for nursery establishment and related businesses such as marketing of coco peat, compost, green manure, soil media, perlite etc.</li></ol>
<b>CHEMISTRY IN EVERYDAY LIFE</b> (CHEMISTRY)  S1-CHEM-1G	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Learn Chemistry of Ancient India, Ancient construction materials and discoveries</li><li>2. Gain information about acids, bases and salts involved in our day-to-day life</li><li>3. Have an idea of food adulteration, its harmful effects and methods to detect adulteration and the important constituents of our food</li><li>4. Familiarise with chemical nomenclature of the commonly used materials in daily life including toiletries, kitchen and beverages</li><li>5. Have an elementary idea of disinfectants, pesticides and cleaners</li></ol>
<b>COMPUTER FUNDAMENTALS</b> (COMPUTER APPLICATION)  S1-COAP-1G	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Understand the fundamentals of computer</li><li>2. Use computer in his daily life as well as can do assigned official work with ease</li><li>3. Troubleshoot issues related to working with computer and internet</li><li>4. Communicate through internet as well as can use IT for day-to-day work</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>MS OFFICE</b> <b>(COMPUTER APPLICATION)</b> <b>S1-COAP-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Create and manage professional documents using MS Word</li><li>2. Analyse, manage and present data using MS Excel</li><li>3. Create and manage presentation using MS PowerPoint</li><li>4. Insert a table, picture, or drawing into the document</li><li>5. Prepare the document to be sent as a circular letter</li></ol>
<b>DATA ANALYSIS &amp; VISUALIZATION THROUGH SPREADSHEET</b> <b>(COMPUTER SCIENCE)</b> <b>S1-COSC-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Demonstrate basic calculations &amp; saving data</li><li>2. Prepare a spreadsheet file and enter data into the sheet</li><li>3. Illustrate formatting &amp; editing capabilities on the data</li><li>4. Import &amp; export data into the spreadsheet</li><li>5. Demonstrate basic visualizing, analysing, organizing &amp; sharing techniques</li></ol>
<b>MULTIMEDIA &amp; ANIMATION</b> <b>(COMPUTER SCIENCE)</b> <b>S1-COSC-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Describe various elements &amp; aspects of multimedia &amp; animation</li><li>2. Understand the roles played by various platforms of multimedia</li><li>3. Learn to add pictures, graphics, sound &amp; animation to prepare a project</li><li>4. Learn presentation skills &amp; ideas with creativity by using multimedia tools</li><li>5. Apply tools &amp; techniques to create basic 2D &amp; 3D animation</li></ol>
<b>ELEMENTS OF GEOLOGY</b> <b>(GEOLOGY)</b> <b>S1- GEOL-1G</b>	<ol style="list-style-type: none"><li>1. Students will acquire knowledge of the Solar System, about structure, composition and processes of the Earth.</li><li>2. They will also understand the dynamic nature of the Earth and its effects on the Earth's surface.</li></ol>
<b>MINERALS AND ROCKS</b> <b>(GEOLOGY)</b> <b>S1- GEOL-2G</b>	<ol style="list-style-type: none"><li>1. Students will be acquainted with the minerals and rocks and acquire knowledge and ability to identify them.</li><li>2. They will be introduced to geological structures, Geologic Time Scale and Mineral wealth of Madhya Pradesh.</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>MATRIX GEOMETRY AND VECTOR ALGEBRA</b> (MATHEMATICS)</p> <p>SI-MATH-1G</p>	<p>Students will be able to use the Matrices, Determinants, Geometry and Vector approach in different areas of business and Science like budgeting, Sales projection, cost estimation analysing the results of an experiment etc.</p>
<p><b>MATHEMATICAL LOGIC AND SETS</b> (MATHEMATICS)</p> <p>SI-MATH-2G</p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Use the principles of logic to distinguish between sound and unsound reasoning in discourse of everybody</li> <li>2. Construct truth tables for logical expressions, test statements for logical equivalence</li> <li>3. Represent mathematical statements in the language of predicate language</li> <li>4. Use the appropriate set of theoretic concepts, thinking process, tools and techniques in the solution to various conceptual or real-world problems</li> </ol>
<p><b>NON-CONVENTIONAL ENERGY SOURCES</b> (PHYSICS)</p> <p>S1-PHYS-2G</p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Have a good understanding of various non-conventional energy resources</li> <li>2. Know about non-conventional energy harvesting technology</li> <li>3. Know about the availability of non-conventional energy resources in India</li> <li>4. Have a good understanding of the solar energy and the appliances based on solar energy</li> <li>5. Understand non-conventional energy harvesting technical skills that will be helpful for employment</li> </ol>
<p><b>GENERAL SERICULTURE</b> (SERICULTURE)</p> <p>S1-SERC-1G</p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Know basic concept of Sericulture</li> <li>2. Understand origin, history, environmental impact on sericulture industry</li> <li>3. Learn culture of Mulberry Plant and Silkworm</li> <li>4. Understand basic knowledge of textile fibres</li> </ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>APICULTURE</b> <b>(ZOOLOGY)</b>  <b>S1- ZOOL2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the various species of honey bees in India, their social organization and importance</li><li>2. Understand the techniques, involved in beekeeping and honey production</li><li>3. Know about various products obtained from beekeeping sector and their importance</li><li>4. Aware about the opportunities and employment in apiculture in public, private and government sectors</li><li>5. Develop entrepreneurial skills for self-employment in bee keeping sector</li></ol>
<b>HUMAN DISEASE</b> <b>(ZOOLOGY)</b>  <b>S1- ZOOL-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Gain the knowledge of various human diseases</li><li>2. Understand the causes of human diseases</li><li>3. Explain the structures of disease-causing virus, bacteria and protozoa</li></ol>
<b>HERBAL COSMETICS</b> <b>(BOTANY)</b>  <b>S1- BOTA-2G</b>	<ol style="list-style-type: none"><li>1. Students will learn about raw materials used in herbal cosmetics including the skin and hair care, herbal products: preparation and their evaluation.</li><li>2. Students can seek the opportunity of setting up their own business of herbal cosmetics after this course.</li></ol>

Govt PG College, Guna (MP)



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## OTHER OPEN ELECTIVE SUBJECTS

### For B.A., B.Com & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>NCC AWARENESS</b> (NCC)  01-NCCA-1G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand community problems and their solutions. It might help in job opportunity in some government approved NGOs, and Ministry of Youth Affairs and Sports</li><li>2. Carry out basic information about community which will be of great help in disaster management fields</li><li>3. Go for social Community Courses, open opportunities in different social activity related departments</li></ol>
<b>NATIONAL SERVICE SCHEME (NSS)</b> (NSS)  01-NSSA-1G	<ol style="list-style-type: none"><li>1. After studying this course, students will develop a sense of responsibility and thereby display sense of patriotism, secular values, discipline.</li><li>2. After studying this course, students will be able to build and develop leadership through communication.</li><li>3. After studying this course, students will be able to understand the significant relationship between personality traits and leadership.</li></ol>
<b>INTRODUCTION AND CONCEPT OF PHYSICAL EDUCATION</b> (PHYSICAL EDUCATION)  01-PHED-1G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Know the physical education and sports better and may excel in this area in their personal, social and professional life</li><li>2. Learn about the role of physical activity and sports for fitness, health and wellness and may change their lifestyle</li><li>3. Understand the structure of Physical Education in India and at international level, especially about the role of United Nations International Children's Emergency Fund (UNICEF) concept "Sports For All"</li><li>4. Identify the health related and skill related components of fitness, and will be able to know the benefits of warming and cooling down and develop their concept regarding nutrition and balance diet</li><li>5. Develop an awareness regarding sports related events and persons, which will help them in competitive exams</li></ol>



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## II Year / Certificate Course

### GENERAL OPEN ELECTIVE SUBJECTS

#### For B.Com & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>TRANSLATION STUDIES</b> <b>(GENERAL ENGLISH)</b>  <b>A2-ELIT-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the concept of translation studies in the theoretical field</li><li>2. Familiarize with approaches to translation, thereby contextualizing the discipline in general terms</li><li>3. Understand the process of translation, demonstrate and apply enhanced knowledge of English as related to translation practices</li><li>4. Achieve effective communication with people from different corners of the world</li><li>5. Protect cultural heritage and benefit from transmission of knowledge</li><li>6. Understand structural differences between the two languages</li><li>7. Expand the knowledge of the vocabulary and collocational aspects of the target language</li></ol>
<b>MASS MEDIA AND COMMUNICATION SKILLS</b> <b>(GENERAL ENGLISH)</b>  <b>A2-ELIT-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Develop practical and creative skills of mass communication and media, stimulate critical thinking</li><li>2. Identify avenues for a career in print and electronic media</li><li>3. Keep themselves abreast to the outer world</li><li>4. Identify ways to give voice to the voiceless, spread their art and culture among different sections of society</li><li>5. Attain managerial efficiency and develop leadership qualities</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>INTERNATIONAL TRADE AND PUBLIC FINANCE (ECONOMICS)</b> <b>A2-ECON-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Explain the various concepts and basic principles of International trade</li><li>2. Understand the issues like the role of the government, provision of public goods, optimal design of tax and economic policies</li><li>3. Describe the effects of taxation, role of public expenditure and public debt in developing countries</li></ol>
<b>BASIC CONCEPTS OF ECONOMICS (ECONOMICS)</b> <b>A2-ECON-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the basic concepts of economics</li><li>2. Explain the consumer's and producer's behaviour</li><li>3. Know about the firms, industries, markets and theory of distribution</li><li>4. Understand macroeconomic variables, national income, Classical - Keynesian approaches of employment and also be able to explain the concept of inflation and trade cycle</li></ol>
<b>TOURISM: THEORY AND PRACTICES (HISTORY)</b> <b>A2-HIST-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Learn about the history of tourism in the ancient, medieval and modern eras. They will get knowledge about the main elements, features and importance of tourism</li><li>2. Establish a connection of history with tourism. They will be able to get knowledge about the required infrastructure for tourism and the new trends in the field of tourism</li><li>3. Get an insight about the various cultural activities. Present a critical analysis on the impact of tourism on the economy, society and environment along with the problems and challenges of tourism industry</li><li>4. Present detailed description about various tourist places of India and Madhya Pradesh. Get to know clearly about all the aspects related to tourism as a field of profession</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>ISSUES IN CONTEMPORARY WORLD (HISTORY)</b></p> <p><b>A2-HIST-2G</b></p>	<ol style="list-style-type: none"> <li>1. After studying this question paper students will enhance their knowledge of the history of Contemporary World.</li> <li>2. It will help them to understand, synthesize and analyse the major issues and debates in the historiography of Contemporary World.</li> <li>3. This paper will enable students to identify the contemporary challenges like political, social transformation and globalization.</li> </ol>
<p><b>WORLD GEOGRAPHY (GEOGRAPHY)</b></p> <p><b>A2-GEOG-1G</b></p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Acquire the general information about the Earth</li> <li>2. Gain knowledge regarding the World's Natural and Cultural Resources</li> <li>3. Analyse the causes of the countries being developed, developing and under developed</li> </ol>
<p><b>GEOGRAPHY OF RURAL DEVELOPMENT (GEOGRAPHY)</b></p> <p><b>A2-GEOG-2G</b></p>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"> <li>1. Comprehend the concepts and approaches related to Rural Development in India</li> <li>2. Acquire the knowledge about the processes of Rural Development and service provisions including basis of rural economy in rural areas</li> </ol>
<p><b>FOOD PRODUCT DEVELOPMENT (HOME SCIENCE)</b></p> <p><b>H2-HSCA-1G</b></p>	<p><i>This subject gives an idea of new high nutritive value product development, its methods by local available foods and marketing. This subject also helps to combat malnutrition. Students will be able to-</i></p> <ol style="list-style-type: none"> <li>1. Transform a product from its original state to a more valuable state</li> <li>2. Know to enhance nutritive value by local food products</li> <li>3. Can prepare value added new food products and commercialize them</li> </ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>UNDERSTANDING GANDHI AND AMBEDKAR</b> (POLITICAL SCIENCE)  A2-POSC-1G	<ol style="list-style-type: none"><li>1. The students will be able to understand the life of Gandhi and Ambedkar that will facilitate them in understanding their philosophy.</li><li>2. The students would be able to explain about the political and social ideas of Gandhi and Ambedkar.</li><li>3. They will come to know the thoughts of Gandhi and Ambedkar on issues like religion, caste, participation, development, labour etc.</li><li>4. They will be able to answer why Gandhi favoured Swadeshi and why he became the critique of modern Industrial Civilization.</li></ol>
<b>HUMAN RIGHTS</b> (POLITICAL SCIENCE)  A2-POSC-2G	<ol style="list-style-type: none"><li>1. The student will be able to explain the meaning of human rights, its history, evolution and examine human rights issues in different social, political and cultural contexts.</li><li>2. The students will be able to relate human rights with other rights of individuals.</li><li>3. Students will be able to examine and explain issues of human rights in gender perspectives and how state and its agencies apply the methods and techniques of surveillance, interrogation and counterterrorism operations.</li><li>4. They will come to know about the human rights of the armed forces.</li><li>5. They will be able to understand institutional structure of human rights in India.</li></ol>
<b>OFFICE &amp; SERVICE QUALITY MANAGEMENT</b> (PUBLIC ADMINISTRATION)  A2-PUAD-1G	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Develop an understanding of the basic concepts of office management and secretarial functions</li><li>2. Aware about 'service system' and its management in both government and private bodies</li><li>3. Enrich direct interaction skills and practical knowledge of office and service quality management through case studies</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<p><b>STATE AND LOCAL ADMINISTRATION (PUBLIC ADMINISTRATION)</b></p> <p><b>A2-PUAD-2G</b></p>	<ol style="list-style-type: none"> <li>1. Delineating the key constitutional provisions on State executive system and its rural and urban local governance.</li> <li>2. Familiarity with administrative set up and machineries working at state capital, division, district, tehsil and village levels. (Special reference to Madhya Pradesh)</li> <li>3. Understanding the organisation, functions, role and significance of police system in maintaining law and order.</li> </ol>
<p><b>INDIAN ECONOMY (BUSINESS ECONOMICS)</b></p> <p><b>A2-BECO-1G</b></p>	<p>The course will enable the students to develop the proper understanding about the Indian Economy from Independence to liberalization and beyond.</p>
<p><b>ENTREPRENEURSHIP &amp; FAMILY BUSINESS (BUSINESS ECONOMICS)</b></p> <p><b>A2-BECO-2G</b></p>	<p>Provide understanding of entrepreneurship, i.e., initiating an innovative new business venture and developing it into a self-sustaining and profitable enterprise. The course shall explore the business, personal, and interpersonal issues associated with a family-owned and managed company. The objective of this stream is to provide comprehensive knowledge and develop competencies to start own independent business.</p>
<p><b>SOCIOLOGY OF TOURISM (SOCIOLOGY)</b></p> <p><b>A2-SOCI-1G</b></p>	<p><b>After successful completion of this course, students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Analyse the National and Global impact of tourism</li> <li>2. Understand the importance of tourism culture of the country</li> <li>3. Understand the social and cultural image of India</li> <li>4. Understand the intercultural values</li> <li>5. Learn about Indian heritage and will also realize the need of conservation</li> <li>6. Understand the different types and functions of tourism organizations at the International, National, Regional and Local levels</li> <li>7. Get employment opportunities in different department dealing with various aspects of Tourism</li> </ol>



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>SOCIOLOGY OF JOURNALISM AND MASS COMMUNICATION (SOCIOLOGY)</b> <b>A2-SOCI-2G</b>	<ol style="list-style-type: none"><li>1. By studying this course, students will develop an understanding of the basic concepts of journalism.</li><li>2. Students will be able to get acquainted with the new dimensions and forms of journalism.</li><li>3. The study of this course will develop practical understanding of social phenomena in the students.</li><li>4. Employment opportunities will be available to the students in the field of journalism.</li></ol>
<b>नाट्य लेखन एवं रंगमंच (हिन्दी साहित्य)</b> <b>A2-HLIT-1G</b>	<ol style="list-style-type: none"><li>1. विद्यार्थियों को संस्कृत एवं हिन्दी नाट्य साहित्य एवं रंगमंच कला का ज्ञान प्राप्त होगा।</li><li>2. अभिव्यक्ति-कौशल, संवाद कला, वक्तृत्व कला का विकास कर सकेंगे।</li><li>3. नाट्य लेखन, पटकथा लेखन, संवाद लेखन एवं अभिनय में रोजगार की संभावनाएँ।</li><li>4. राष्ट्रीय एवं सांस्कृतिक एकता के भाव का विकास होगा।</li></ol>
<b>भाषा कम्प्यूटिंग (हिन्दी साहित्य)</b> <b>A2-HLIT-2G</b>	<ol style="list-style-type: none"><li>1. इस पाठ्यक्रम के माध्यम से विद्यार्थी नवीन तकनीकी ज्ञान से विज्ञान-क्षेत्र में विशेषज्ञता प्राप्त कर सकेंगे।</li><li>2. भाषा कम्प्यूटिंग में दक्षता होगी तथा रोजगार प्राप्ति के अवसर मिलेंगे।</li></ol>
<b>COMMUNICATION SKILL DEVELOPMENT (TOUR AND TRAVELS MANAGEMENT)</b> <b>M2-TNTA-1G</b>	<ol style="list-style-type: none"><li>1. Students will understand the formal communication procedures.</li><li>2. Students will know how to make formal written and verbal communication.</li></ol>
<b>LOGIC AND LOGICAL REASONING (PHILOSOPHY)</b> <b>A2-PHIL-1G</b>	<ol style="list-style-type: none"><li>1. Students would be able to enhance rational, analytical and scientific thinking.</li><li>2. Enhance problem solving skill.</li><li>3. Develop logical thinking skill to crack various competitive examinations.</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## GENERAL OPEN ELECTIVE SUBJECTS

### For B.A. & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>FUNDAMENTALS OF MANAGEMENT</b> (COMMERCE)  C2-COMA-1G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the nature of management and describe the functions of management</li><li>2. Develop understanding of different approaches to design organizational structures</li><li>3. Understand the role of personality, learning and emotions at work</li><li>4. Discover and understand the concept of motivation, leadership, power and conflict</li><li>5. Understand the foundations of group behaviour and the framework for organizational change and development</li></ol>
<b>NEW VENTURE PLANNING</b> (COMMERCE)  C2-COMA-2G	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Generate a business idea using different techniques and describe sources of innovative ideas</li><li>2. Evaluate advantages of acquiring an ongoing venture with a case study</li><li>3. Present a comparative analysis of various government schemes which are suitable for the business idea</li><li>4. Develop a marketing plan for a business idea</li><li>5. Prepare and present a well-conceived Business Plan</li></ol>
<b>RURAL DEVELOPMENT IN INDIA</b> (RURAL BANKING)  A2-RBAN-1G	<ol style="list-style-type: none"><li>1. The Student will be able to know the problems of rural development along with the strategy of rural development.</li><li>2. Students will be able to get information about various dimensions of rural development.</li><li>3. The student will be familiar with the role of agriculture and industries in rural development.</li><li>4. Students will be able to get information about various schemes and policies of the Government regarding rural development.</li><li>5. Students will develop an understanding of the contribution of Panchayati raj to rural development.</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>RURAL BANKING IN INDIA</b> <b>(RURAL BANKING)</b>  <b>A2-RBAN-2G</b>	<ol style="list-style-type: none"><li>1. Students will gain a strong understanding about the Rural Banking system in India.</li><li>2. Students will understand about various rural banking institutions, their basic functions and their role in rural development.</li><li>3. Students will gain a deeper insight about issues and challenges about rural banking in India.</li></ol>



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## GENERAL OPEN ELECTIVE SUBJECTS

### For B.A. & B.Com

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>PRINCIPALS OF ORGANIC FARMING (BOTANY)</b>  <b>S2-BOTA-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Provide comprehensive professional knowledge of sustainable agricultural practices, professional skills for farm business with latest applications of principles and practices.</li><li>2. Develop employability skills as an entrepreneur and as potential commercial organic material producer.</li><li>3. Develop own farm, can seek opportunities as organic farming trainer or demonstrator, organic produce supplier, organic farm manager and in the field of orchard development and management.</li><li>4. Develop analytical skills for profitable business.</li></ol>
<b>BASIC PROGRAMMING IN C (COMPUTER APPLICATION)</b>  <b>S2-COAP-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Explore basics of C programming language</li><li>2. Choose the right data representation formats based on the requirements of the problem</li><li>3. Use the comparisons and limitations of the various programming constructs and choose the right one for the task in hand</li><li>4. Identify task in which the numerical techniques learned are applicable and apply them to write programs, and hence use computers effectively to solve the task</li></ol>
<b>WEB DESIGNING (COMPUTER APPLICATION)</b>  <b>S2-COAP-2G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Define the basics in web design.</li><li>2. Visualize the basic concept of HTML</li><li>3. Recognize the elements of HTML</li><li>4. Introduce basics concept of CSS</li><li>5. Introduce basics concept of JavaScript</li><li>6. Develop the concept of web publishing</li><li>7. Design a working webpage</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>COMPUTER MAINTENANCE &amp; TROUBLESHOOTING (COMPUTER SCIENCE)</b>  <b>S2-COSC-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Identify and understand the hardware components in the computer system</li><li>2. Install, configure and update Operating Systems, device drivers and software</li><li>3. Install, configure and maintain various components in computer system and peripheral devices</li><li>4. Diagnose faults, repair and maintain computer system and its peripherals</li><li>5. Do preventive maintenance of computer system and its peripherals</li></ol>
<b>NUTRITION AND HEALTH (HOME SCIENCE)</b>  <b>S2-ZOOL-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Form a perspective of health by studying association of food and nutrition in promoting healthy living</li><li>2. Understand the importance of balanced diet and essential nutrients of food at different stages of life</li><li>3. Relate signs, symptoms of diseases in body and understand the advantage of being hygienic</li><li>4. Learn ill effects of modern lifestyle that will be motivated them to adopt clean healthy habits</li></ol>
<b>CHEMISTRY FOR FARMERS (CHEMISTRY)</b>  <b>S2-CHEM-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Do crop cultivation, crop improvement, soil and crop management for sustainable organic agricultural production and development</li><li>2. Physical properties of soil and fertilizers, soil types, soil texture and soil structure required for an agricultural field</li><li>3. Analysis and identification of complex agricultural problems and formulating ethical solutions</li><li>4. Innovate processes, products, and technologies to meet the challenges in agriculture and farming practices</li><li>5. Understand Fundamentals of horticulture</li><li>6. Modern farming techniques and organic farming</li></ol>



# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



COURSE TITLE	COURSE LEARNING OUTCOMES
<b>MULBERRY CULTIVATION &amp; SILKWORM REARING (SERICULTURE)</b>  <b>S2-SERC-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Pre-requisites of Mulberry cultivation and establishment of Mulberry garden</li><li>2. Biology of Silkworm and Cocoon, their production &amp; protection</li></ol>
<b>TRIGONOMETRY, CALCULUS AND DIFFERENTIAL EQUATION (MATHEMATICS)</b>  <b>S2-MATH-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the trigonometrical functions</li><li>2. Find out Maxima and minima of various functions</li><li>3. Solve simple problems related to real-life situations</li><li>4. Use differential equations in different areas of business and science</li><li>5. Formulate the differential equations of first order and first degree for various mathematical problems</li></ol>
<b>FOOD PRODUCT DEVELOPMENT (HOME SCIENCE)</b>  <b>H2-HSCA-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Transform a product from its original state to a more valuable state</li><li>2. Know to enhance nutritive value by local food products</li><li>3. Can prepare value added new food products and commercialize it</li></ol>
<b>ELECTRICITY, MAGNETISM AND ELECTRONICS (PHYSICS)</b>  <b>S2-PHYS-1G</b>	<i>After successful completion of this course, students will be able to:</i> <ol style="list-style-type: none"><li>1. Understand the applications of alternating and direct current, resistors, capacitors and inductors and their uses in day to day life</li><li>2. Understand the concepts of magnetism, magnetic materials and some medical instruments like CRO, CT scan and MRI</li><li>3. Apply the basic concepts of semiconductors and electronics in daily life</li><li>4. Explain the the construction, working and characteristics of PN diode, LEDs, Laser diode and Solar cells</li></ol>

# GOVT. POSTGRADUATE COLLEGE, GUNA

Affiliated to Jiwaji University, Gwalior (M.P.)

Phone No.: 07542-251641

Email : hegpgcgun@mp.gov.in

Website : <https://pgcollegeguna.in/>



## OTHER OPEN ELECTIVE SUBJECTS

### For B.A., B.Com & B.Sc.

COURSE TITLE	COURSE LEARNING OUTCOMES
<b>NCC AWARENESS</b> (NCC) <b>02-NCCA-1G</b>	<ol style="list-style-type: none"><li>1. Students will understand that drill as the foundation for discipline and to command a group for common goal.</li><li>2. Appreciate grace and dignity in the performance of foot drill.</li><li>3. Aim of the course is to inculcate a sense of discipline, create self confidence and to create a human resource of organized, trained youth.</li><li>4. Give awareness to the youth about environment and importance of tree plantation in developing a clean and pollution free environment.</li></ol>
<b>CONCEPT OF NATIONAL SERVICE SCHEME</b> (NSS) <b>02-NSSA-1G</b>	<ol style="list-style-type: none"><li>1. The study of Curriculum will not only develop the skill of the student but also lead to all round development of student.</li><li>2. Through this course student will learn the importance of community problems and their solution then they will be helpful for employment in government approved NGO and other youth and social activities.</li><li>3. By going through the course the student will get basic knowledge about the community which will be very helpful in disaster management areas.</li></ol>
<b>PHYSICAL EDUCATION FOR HEALTHFUL LIVING</b> (PHYSICAL EDUCATION) <b>02-PHED-1G</b>	<p><i>After successful completion of this course, students will be able to:</i></p> <ol style="list-style-type: none"><li>1. Know the concept of health and about the development and assessment of health related fitness</li><li>2. Understand the government fitness protocol for 5 to 18 years, 18 to 65 years and 65 + year people and able to assess their fitness</li><li>3. Calculate the calorie requirement of common man and athlete, and able to guide people about nutritional guideline</li><li>4. Provide CPR in emergency cases which maybe a life saving technique</li><li>5. Develop general awareness about International sports motivate to know more about sports and also prepare for competitive exam.</li></ol>