

# Government Degree College, Huzurabad Karimnagar ( Dist) (NAAC with B+ Grade)

## Program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO)

### 1. Offering Programmes:

#### I. Under graduate (UG)

| UG PO and PSO |   |
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| <b>PO</b>     | <ul style="list-style-type: none"> <li>• <b>Critical Thinking:</b> Ability to take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.</li> <li>• <b>Effective Communication:</b> Ability to speak read writes and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.</li> <li>• <b>Effective Citizenship:</b> Ability to demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.</li> <li>• <b>Environment and Sustainability:</b> Ability to understand the issues of environmental contexts and sustainable development.</li> <li>• <b>Ethical Living:</b> Ability to recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.</li> <li>• <b>Social Interaction:</b> Ability to elicit views of others, mediate disagreements and help reach conclusions in group settings.</li> <li>• <b>Problem Solving and Analytical Skills:</b> Ability to think rationally, analyze situations and solve problems adequately.</li> </ul> |
| <b>PSO</b>    | <p><b>1. BA(History, Economics, Political Science):</b></p> <p><b>Political Science:</b></p> <ul style="list-style-type: none"> <li>• Studying political science enable one to deepen his/her understanding of polices and laws of the land apart from fact that a political science degree holder has a lot of opportunities in terms of employment, they can also pursue a bright career if they opt for higher studies.</li> </ul> <p><b>Economics:</b></p> <ul style="list-style-type: none"> <li>• Student understand the features characteristics of Indian Economy, behaviour of consumer, developed the knowledge about the economic</li> </ul>   |

theories, Taxation, Different market structures, consumption function, investment function, banking, money supply, poverty, population, unemployment, Income in equalities, GNP, sustainable development.

**History:**

- The students will be able to demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information.
- The students will be able to develop the ability to distinguish between fact and fiction.
- The students will be able to develop the ability to know that there will be no historical truth.
- The students will be able to know the greatness of multiple cultures.
- The students will be trained in acquiring techniques and methods used to gain historical knowledge.

**English:**

- The students will develop effective communication skills in listening, speaking, reading and writing. They acquire skills to communicate confidently by sharing their views and ideas.
- The students will get awareness about the possible literary traditions of the world. They can be easily connected to the outside world. They get second hand experience with the literature.
- The students will get an ample opportunity to understand India's age old literary and cultural traditions through their exposure to wide variety of texts in English.
- The students will be exposed to various social and cultural issues through the reading of representative texts from different parts of the country.
- The literature provides the students to be sensible to human relations, gender issues and regional disparities.
- The students will acquire virtues and values needed for their individual and social development through language and literature.
- The students will be able to understand wide varieties of English language and develop their own style of communication in English.
- The students will be exposed to different cultural backgrounds.
- The students will acquire basic knowledge of English as Language, grammar and they realize the relationship between literature and real life.
- The students will possess the ability to appreciate literature with critical thinking.

**Telugu:**

- Develops historical outlook in all aspects.
- Understands the importance of Telugu language & about them in writing prose, poetry.
- Knows the importance of Society

**2. B.Com (General, Computer Application):Computer Applications:**

- B.Com (Computer Applications) students will learn the fundamentals of Commerce, Business Economics, Financial Accounting along with this Commerce area subjects, students are also learn computer fundamentals and programming concepts, E-commerce concepts.

**Commerce:**

- After completing three years for Bachelors in Commerce (B.Com) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance.
- The commerce and finance focused curriculum offers a number of specializations and practical exposures which would equip the student to face the modern-day challenges in commerce and business.
- The all-inclusive outlook of the course offer a number of value based and job oriented courses ensures that students are trained into up-to-date. In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels.

### **3. B.Sc (MPC, BZC):**

#### **Botany:**

- Understanding different plant groups, physiology of plants, plant Genetics, plant breeding, economic Importance of plants, and plant reproduction.

#### **Mathematics:**

- Mathematics is a language in which every symbol and every combination has a specific meaning which can be known by applying logical rules.
- At the basic level, mathematical education begins with learning skills such as identifying different shapes, measuring space, counting things using operations such as addition, subtraction, multiplication and division.
- To enable the students to solve mathematical problems of daily life. It is related to various subjects like physics, chemistry etc.

#### **Physics:**

- The student graduating with the Degree B.Sc. with physics should be able to acquire a fundamental understanding of the academic field of Physics, its different learning areas and applications in basic Physics, like Mechanics, Thermodynamics and its linkages with related disciplinary areas/subjects like Chemistry, Mathematics.
- Procedural knowledge that creates different types of professionals related to the area of Physics, including professionals engaged in research and development, teaching and government service.

#### **Computer Science:**

- To develop the knowledge about basics of Computer Science and Informational Technology and applications that are Algorithms, Programming concepts, Data Structures.

#### **Chemistry:**

- Creating interest in environmental issue.
- Obtaining the knowledge of pharmaceutical tables.
- Increasing the practical skill and instrumentation of the students.
- Awareness about chemistry related e-learning.

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|  | <b>Zoology:</b> <ul style="list-style-type: none"> <li>Students will be able to understand the morphology, reproduction of all animals from protozoa to mammals, physiological process, anatomy, behaviour, embryology, genetics, evolution and ecology of animals.</li> </ul> |
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## 2. Offering Courses:

- I. B.A (HEP)
- II. B.Com (General, Computer Applications)
- III. B.Sc (MPC, BZC)

| Course outcomes of BA |  |
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| <b>CO</b>             | <p><b>Political Science:</b></p> <ul style="list-style-type: none"> <li>Understand the contribution of the main traditions of Indian political thought.</li> <li>Understand the basic concept and issues concerning human Rights and challenges.</li> <li>Understand the women issues and problems.</li> <li>Understand the cultural, social, political, economic and constitutional environment as a historical perspective of Indian administration.</li> </ul> <p><b>Economics:</b></p> <ul style="list-style-type: none"> <li>Student can identify the issues in Indian economy, to think and act over the solution of various issues in economy, measuring the economic growth and development in economy, realise the composition in GNP and its changes, evaluate the structural changes in Indian economy, observe the recent trends in foreign policy, FDI, students empower to appear for various competitive examinations.</li> </ul> <p><b>History:</b></p> <ul style="list-style-type: none"> <li>The students will be able to design and complete projects.</li> <li>The students will be able to design and complete various assessment tasks and assignments.</li> <li>The students will be able to attend to assessment and other curricular activities.</li> <li>The students will be able to articulate the curriculum philosophies underpinning their selection of pedagogical practices.</li> </ul> <p><b>English:</b></p> <ul style="list-style-type: none"> <li>The students will be able to develop interest in literature and language.</li> <li>The students will be able to get enjoyment in reading the short stories, poems, novels and dramas.</li> <li>The students will be able to know the concepts of the literary theories, terms and concepts in Criticism.</li> <li>The students will be able to appreciate various literary forms and work of art.</li> <li>The students will be able to understand the structure and function of grammatical units.</li> <li>The students will be able to use English effectively in formal and informal</li> </ul> |

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|                                 | <p>situations.</p> <ul style="list-style-type: none"> <li>The students will be able to know the phonological, morphological, syntactical and semantic feature of English language.</li> </ul> <p><b>Telugu:</b></p> <ul style="list-style-type: none"> <li>Empower the knowledge of Telugu Language and Literature.</li> <li>Improve writing skills like short stories, stories, novels etc,</li> </ul>  |
| <b>Course outcomes of B.Com</b> |  |
| <b>CO</b>                       | <p><b>Computer Applications:</b></p> <ul style="list-style-type: none"> <li>The students of B.Com(CA) to acquire basic knowledge in Information Technology and its applications and update the knowledge of Computer Applications in Trade, Commerce, Digital Marketing and E-Commerce.</li> <li>Also acquire the knowledge of Computerized Accounting.</li> <li>To develop knowledge about e-mail and internet applications.</li> </ul> <p><b>Commerce:</b></p> <ul style="list-style-type: none"> <li>Students will be able to demonstrate progressive learning of various tax issues and tax forms related to individuals. Students will be able to demonstrate knowledge in setting up a computerized set of accounting books.</li> <li>Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.</li> <li>Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.</li> <li>Students will learn relevant managerial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.</li> <li>Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, finance, auditing and marketing.</li> <li>Learners will be able to recognise features and roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.</li> <li>Learners will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.</li> <li>Learners will acquire the skills like effective communication, decision making problem solving in day to day business affaires</li> </ul> |
| <b>Course outcomes of B.Sc</b>  |  |
| <b>CSO</b>                      | <p><b>Botany:</b></p> <ul style="list-style-type: none"> <li>Growing nursery, concept of Bio- fertilizers, integrated management to get high yield uses of micro- organisms, in Industry, tissue culture and hydroponics uses.</li> </ul> <p><b>Mathematics:</b></p> <ul style="list-style-type: none"> <li>To develop thinking and reasoning power of the students.</li> <li>Based on ground knowledge of mathematics, more advanced concepts and operations such as sets and real numbers, polynomials, co-ordinate</li> </ul>   |

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|  | <p>geometry, progressions, mensuration, trigonometry and statistics are developed.</p> <ul style="list-style-type: none"> <li>• It is needed in various professions such as engineers, bankers, scientists, accountants etc.</li> </ul> <p><b>Physics:</b></p> <ul style="list-style-type: none"> <li>• Skills in areas related to one's specialization and current and emerging developments in the field. Ability to solve a wide range of problems associated with Physics.</li> <li>• Recognize the importance of Mathematical modelling, simulation and computing to describe the physical world.</li> <li>• Plan and execute Physics-related experiments, analyze data collected by use of appropriate software, and report accurately the findings of the experiment while relating the findings to relevant theories of Physics.</li> <li>• Demonstrate relevant generic skills and global competencies such as problem-solving skills, investigative skills, communication skills, analytical skills, ICT skills and personal skills to work both independently and in a group.</li> <li>• Demonstrate professional behaviour such as being objective, ability to identify the potential ethical issues in work-related situations, appreciation of intellectual property, environmental and sustainability issues, and promoting safe learning and working environment.</li> </ul> <p><b>Computer Science:</b></p> <ul style="list-style-type: none"> <li>• To acquire the skills and tools of Computer Science &amp; current developments in this field.</li> <li>• Understanding of the principles of Computer Science and it connects with other disciplines.</li> <li>• Apply Computer Science knowledge to new contexts.</li> </ul> <p><b>Chemistry:</b></p> <ul style="list-style-type: none"> <li>• Developing problem solving skills, scientific knowledge, and working knowledge of instrument.</li> <li>• Developing ability to apply the knowledge on contents of principles of chemistry.</li> <li>• Developing spectral knowledge and creating scientific approach towards various chemical reactions.</li> <li>• Exposure to different processors used in Industries and their applications, and developing ability to acquire the knowledge of terms, facts, concepts, processors, technique and principles of subject.</li> </ul> <p><b>Zoology:</b></p> <ul style="list-style-type: none"> <li>• Students apply knowledge in branches like medical entomology, apiculture, aquaculture and agriculture. Explain theory of origin, fossil records, Darwinism.</li> </ul> |
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