

Paper – 1
Fundamentals of Social Sciences

Learning objectives: The student will be able to understand the nature, various approaches, organs of the state, social perspectives, and application of ICT.

Learning Outcomes: On successful completion of the course the student will be able to :

1. Learn about the nature and importance of social science.
2. Understand the Emergence of Culture and History
3. Know the psychological aspects of social behaviour
4. Comprehend the nature of Polity and Economy
5. Knowledge on application of computer technology

Unit – I – What is Social Science?

1. Definition and Scope of Social Science – Different Social Sciences
2. Distinction between Natural Science and Social Sciences
3. Interdisciplinary Nature of Social Sciences
4. Methods and Approaches of Social Sciences

Unit -II: Understanding History and Society

1. Defining History, Its Nature and Scope
2. History- A Science or an Art
3. Importance of History in the Present Society
4. Types of History and Chronology of Indian History

Unit – III – Society and Social Behaviour

1. Definition , Nature and Scope of Psychology
2. Importance of Social Interaction
3. Need of Psychology for present Society
4. Thought process and Social Behavior

Unit – IV – Political Economy

1. Understanding Political Systems
2. Political Systems – Organs of State
3. Understanding over Economics - Micro and Macro concepts
4. Economic Growth and Development - Various aspects of development

Unit - V – Essentials of Computer

1. Milestones of Computer Evolution - Computer – Block Diagram, Generations of Computers
2. Internet Basics – Internet History, Internet Service Providers – Types of Networks – IP – Domain Name Services – Applications
3. Ethical and Social Implications – Network and Security concepts – Information assurance fundamentals
4. Cryptography – Symmetric and Asymmetric –malware – Fire walls – Fraud Techniques – Privacy and Data Protection

Reference Books

1. The social sciences: An Integrated Approach by James M. Henslin and Dannel F. Chambliss
2. The Wonder that was India – A.L.Bhasham
3. Introduction to Psychology – Morgan and King
4. Principles of Political Science – A.C. Kapoor
5. Contemporary Political Theory – J.C.Johari
6. M.L.Jhingan – Economic Development – Vikas, 2012
7. ML Seth – Macro Economics - Lakshminarayana Agarawal, 2015
8. Fundamentals of Computers by V. Raja Raman
9. Cyber Security Essentials by James Graham, Richard Howard, Ryan Olson

Activities:

1. Group Project Work
2. PPT Presentation, Participation in Webinars
3. Field visits
4. Group Discussion
5. Survey and Analysis
6. Charts and Poster presentation
7. Identifying the attributes of network (Topology, service provider, IP address and bandwidth of your college network) and prepare a report covering network architecture.
8. Identify the types of malwares and required firewalls to provide security.
9. Latest Fraud techniques used by hackers.