

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

B.A. (Competitive Examinations Programme – CEP)

Syllabus

Subject : Science & Technology

Part I: General Aspect

- 1) Role of Science and Technology in India
- 2) Science and Technology in India
- 3) Institutional Structure for Science and Technology in India
- 4) Science and Technology Education and Research in India

Part II: Energy

- 1) Energy Sector and Policy
- 2) Fossil Energy Resources
- 3) Electric Power
- 4) Non-Conventional Sources of Energy
- 5) Energy Conservation

Part III: Nuclear Technology

- 1) Nuclear Energy
- 2) Nuclear Fusion
- 3) Non-Energy Aspects of Nuclear Technology
- 4) India's Nuclear Program

Part IV: Information Technology

- 1) Computer Technologies
- 2) Computer Software
- 3) Computer Networks
- 4) Security Issues in IT
- 5) Supercomputer Technology
- 6) Recent Advances in IT
- 7) IT Industry in India
- 8) IT and Government in India
- 9) Communication Technology
- 10) Wireless Communication
- 11) Telecommunications in India
- 12) Television and Entertainment Technologies

Part VI: Space

- 1) Space Technology
- 2) Space Programme in India

Part VII: Material Technology

- 1) Nanoscience and Nanotechnologies
- 2) Superconductivity
- 3) Laser and Photonics

Part VIII: Environment

- 1) Global Environmental Issues
- 2) Environment and India
- 3) Earth Sciences in India
- 4) Meteorological Science
