



# DAVANGERE UNIVERSITY

Shivagangtori, Davangere – 577 007.

GRADUATE PROGRAMME

Bachelor's Degree

CBCS

Subject: General Science and Management

Compulsory paper for III Semester BA/BSW/B.Com/BBM

Teaching Hours per Week: 4 Hours

Max Marks: 100 [Internal Assessment : 20 and Semester End Examination : 80 ]

(based on multiple choice questions)

Examination Duration : 3 Hours

Total:64 Hrs.

## Course Inputs

- 1. Physics:** Electricity – Generation, Simple Electric circuit – example calling Bell.  
**Chemistry:** Pollution – Air, water, Sound, Soil and measures to control plastic Menace. Acid and Bases, Solutions types-colloid and type of colloids. Examples of those which are used in our daily life (Gel, Syrup etc.)  
**14 Hrs**
- 2. Space Technology: (definition & Simple Concepts):** ISRO, Launch vehicle types, different satellite orbits – GTO, EO, MEO, GEO, INSAT its uses DTH, GPS. Indian missile and its work BRAHMOS. Institutional structure of DRDO, BARC in AEC (Atomic Energy Commission).  
**10 Hrs**
- 3. Electronics & Energy:** Semiconductors, Example 3D Technology & its application LED, OLED, LCD, HDTV, Lasers & its application 3D and animation.  
**Energy:** Fossil fuels as coal, crude oil and new technology to decrease its pollution content, hydroelectric power plants in Karnataka, renewable energy resources and non-renewable sources.  
**10 Hrs**
- 4. Life Science:** Branches of Biology, Structure of plant & animal cell. Benefits of Microorganisms; micro-organisms as food. Common diseases (Tuberculosis Cholera, Typhoid, HIV, Dengue, Malaria, Chikungunya) Symptoms & Control; importance of vaccines, antibiotics, Basic Diagnostic methods, medicinal plants and their uses.  
**15 Hrs**
- 5. Quantitative and Mental Ability:**  
**Reasoning Ability** - Concepts, Problems, Solving ability in a quantitative setting.  
**Basic Arithmetic:** Average, Ratios, Rates, Percentage.  
**07 Hrs**
- 6. Management:** Meaning, Definitions, Objectives of Management; qualities and qualifications of a Good Manager, Managerial Skills.  
**08 Hrs**

  
**Registrar**  
Davangere University  
Shivagangothri, Davangere