

VRET- 2018 Syllabus

Paper-I: Research Methodology

(Common for SoS of |Engineering & Technology)

Note: Each section carries equal weightage

Section-I:

Research: Meaning, Characteristics, types, steps, methods, and ethics, Paper, article, workshop, seminar, conference and symposium

Thesis writing: Its characteristics and format

Section-II:

Mathematical reasoning: Number series, letter series, codes, relationships, classifications and data representation

Section-III:

Logical reasoning: Understanding the structure of arguments, evaluating and distinguishing deductive and inductive reasoning, verbal analogies: Word and applied analog, verbal classification, reasoning logical diagrams, simple diagrammatic relationships, multi-diagrammatic relationships, Venn diagram and Analytical reasoning

Section-IV:

Environment Awareness: People and environment interaction; Source of pollution, Pollutant and their impact on human life, exploitation of natural and energy resources, Natural hazards and mitigation

Current issues of national and international importance relating to social, economic and industrial development.

Ethics and values in engineering profession

Section-V:

Reading comprehension: A passage to be set with objective questions

Information and Communication Technologies (ICT) based tools and their applications in Engineering such as networking, e-governance and technology based education