

SYLLABUS FOR COMPUTER BASED RECRUITMENT TEST (CBRT)
FOR THE POST OF ASSISTANT DISTRICT EDUCATIONAL INSPECTORS/
TEACHER GRADE –I (GEOGRAPHY)
UNDER
DIRECTORATE OF EDUCATION
(Advt No. 04 Year 2023)

I. General English including Grammar - 05 marks

II. General Knowledge, Current Affairs and Events of National and International Importance - 10 marks

III. Logical Reasoning and Analytical Ability - 10 marks

IV. Core: - 50 marks

PART-I(30 Marks)

1. Interior of earth, rocks, earthquakes and Volcanoes, Plate tectonics, work of wind, running waters, Glaciers.
2. Structure and Composition of Atmosphere, Insolation and Heat budget, major climatic regions of World.
3. Relief features of the Oceans, salinity, tides, ocean currents.
4. India- Location, physiographic divisions, climate, vegetation, soils. Population: distribution and density and growth.
5. Disaster management: flood, draught, landslides.
6. Major crops, Minerals, Iron and Steel Industry, Cotton and Textile Industry.
7. Environment Pollution, sustainable development.
8. Industries Agro-based .Mineral based , Other industries , and Distribution
9. Human Geography- Definition, scope and principles. Primary, secondary, tertiary and quaternary activities. Transportation communication and Trade. Distribution, density and growth of world Population. Human development concept.
10. Physical Geography: Isostasy, Earth movements, Inversion of Temperature, pressure belts and wind circulation.
11. Classification of climates of the world: Koppen's, Thornwait. Ocean deposits. Formation of Coral Reefs and Atolls.
12. Economic Geography: Natural resources and their distribution. Agricultural regions of the world. Industrial regions of the world.
13. Travel and Tourism Operation in Geography
14. Geography of Goa and konkan region : Physiography, climate, vegetation, soils, irrigation. Major crops, chief minerals, major Industries. Population distribution and density. Desertification, Agro-climate regions.
15. Regional Disparity and Regional Planning in Goa Variations in Levels of Socio-Economic Development (High, Medium And Low) in Coastal, Mid-Land and Ghat Talukas.
16. Rural -Urban Divide and Rural- Urban Continuum Measures and Efforts of Regional Development in Goa

PART-II (20 Marks)

I: The Teacher In The Emerging Indian Society

- Relationship between Philosophy and Education
- Educational Provisions in the Constitution of India
- Naturalism, Pragmatism, Humanism
- Socialization and Education - The role of family, peer group, school and the media of communication
- Education and Social Stratification
 - Inequalities of educational opportunity: religion, caste, class and gender
 - Social determinants of educability
 - The role of education in mobility
 - Education and Social Change

II: Psychology of the Learner and Learning

- The role of heredity and environment in development.
- Cognitive Development (Piaget)
- Characteristics of Adolescence (physical, mental/cognitive, emotional, social).

- Gardner's theory of multiple intelligences,
- Dealing with Individual Differences
 - Children with learning disabilities
 - Emotionally disturbed children
 - Gifted students
 - Fostering creativity in students

Information Processing (Sensory register, STM and LTM)

- Classroom implications of the Information Processing Theory
- Forgetting and causes of forgetting
- Constructivist view of learning
- Critical thinking
- Transfer of learning
- Classroom implications of the Cognitive Learning Theory
- Intrinsic and Extrinsic Motivation
- Classroom climate and group dynamics

III: Evaluation and Assessment

- Concept and Function of Educational Evaluation
 - Basic types of Evaluation
 - Placement, Formative Diagnostic, Summative Evaluation
- Phases of Evaluation
 - Collecting evidence...- Forming judgements - Taking decisions
- Taxonomy of Educational Objectives
 - Various steps of setting a question paper: Blue print, preparation of test items, review of test items, scoring key
- Need for grading
 - Direct grading versus indirect grading
 - Absolute grading versus relative grading
- Continuous Internal Assessment - Need, Areas, Advantages
- Portfolio Assessment

IV: Educational Technology

- Components of an Instructional System
- Application of Systems Approach to planning lessons and instructional Material.
 - Communication – meaning, modes and functions
 - Communication Process (Communication cycle)
- Barriers to communication and overcoming these barriers
- Kinds of Communication
 - Verbal communication - improving listening and speaking skills
 - Non verbal Communication - Art, Forms, Symbols, Appearances and Body language (Touch, Facial expression, Eye contact).
 - Improving non-verbal communication

Dale's cone of experiences

Computer assisted learning

-Subject specific software and its uses

-General educational software e.g. encyclopaedia

- Computers for simulation, drill/practice, educational games and tutorials

- Computer aided evaluation

- Advantages and Limitations in the use of computers

Note:

Duration for C.B.R.T : 90 Minutes

Maximum Marks for C.B.R.T : 75 Marks