

Syllabus for Technical Asst. Examination

Examination Pattern & Scheme of Examination

Section Name		Questions	Marks per item	Total Marks
Part A (Objective Type)				
1.	Logical and Numerical Reasoning	15	1 mark	15
2.	Knowledge in Computer Applications and Scientific Equipments	10	1 mark	10
3.	General Awareness	15	1 mark	15
4.	Basic Science, Environmental Science, Social Science, Computer Science	40	1 mark	40
Part B (Descriptive Type)*				
1.	Himalayan Environment and Development	2	5 Marks	10
2.	Environmental Issues (Climate Change, Pollution, Disasters, socio-economic, etc.)	2	5 Marks	10
Total				100

*100 words for each answers

Part A. (Objective Type)

1. Logical Reasoning and Numerical Reasoning

Analogies, similarities and differences, space visualization, spatial orientation, problem solving, analysis, judgment, decision making, arithmetical reasoning, arithmetic number series, Critical thinking. Percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Time and distance, Time & work, Basic algebra, Heights and Distances, Histogram, Frequency Polygon, Bar diagram, Pie chart and any other question of Matriculation level.

2. Applications and Scientific Equipments

Basic computer knowledge, Database system, Operating System, MS-Office (exposure of Word, Excel/spread sheet, Power point), Information Technology and Society-Indian IT Act, Digital Signatures, Application of information technology in Government for E-Governance, Information Kiosks. Basic knowledge on various scientific equipments used in the laboratory (Spectrophotometer, HPLC, CHNS, AAS, GC, etc.) and field (Compass, GPS/GPS, Altimeter, etc.)

3. General awareness

The test will also include questions relating to India and its neighboring Countries especially pertaining History, Culture, Geography, Economic Scene, General Policy, Indian Constitution & Scientific Research and Others

4. Basic Science, Environmental Science, Social Science

General life sciences, general physics, general chemistry, Remote Sensing techniques, GIS, Sustainable Development Goals (SDGs), National Goals, Nationally Determined Commitment (NDC), Vision India @ 2047, Study of spatial relationships, environments, and cultures, Indian history, independence movement, Study of learning processes, New Education Policy, Environment and ecology, Climate and Weather, Demography of India, Census of In.dia, Analysis of gender roles, identities, and inequalities.

Part B. (Descriptive Type)

1. Himalayan Environment and Development

Basics knowledge on Indian Himalayan Region, Centrally Sponsored schemes, Sustainable Development goals pertaining to the Indian Himalayan Region

2. Environmental Issues of Indian Himalayas (Climate Change, Pollution, Disasters, socio-economic, etc)