

## KARNATAKA FOREST DEPARTMENT

### RECRUITMENT FOR THE POSTS OF DEPUTY RANGE FOREST OFFICER

#### SYLLABUS for B.Sc.(Forestry) Graduates

**Time: Three Hours – Marks: 100**

#### APTITUDE TEST

#### PART-A - 30 Marks

This part of the aptitude test shall measure the candidate's comprehension, memory, reasoning, speed, and analysis, evaluation of facts, data, events and judgment. The question paper would be of **thirty** Objective Type questions divided into four sections.

1. Numerical ability - 10 marks
2. Verbal and non-verbal ability - 5 marks
3. Logical and analytical reasoning - 10 marks
4. Statistics - 5 marks

#### Scope and coverage:

- ❖ **Numerical ability**  
Candidates would be tested on their understanding of basic arithmetic and speed of calculation:, number systems, averages, percentages, profit and loss, simple and compound interest, sequences, indices, ratio and proportion, partnership, time and work, speed and distance, algebra, trigonometry , heights and distances, mensuration, geometry.
- ❖ **Verbal and non-verbal ability**  
Letters and words as symbols, analysis relationship between groups of letters or words, completing series or order of letters or word analogy, finding odd man out, coding and decoding based on illustrated principles. Shapes and patterns, arranging shapes or designs into associated groups and finding out the odd man and completing the sequence.
- ❖ **Logical and analytical reasoning**  
Application of logic and making judgments in given situations.  
General reasoning and determination of the validity of an inference from a statement based on some given parameters.
- ❖ **Statistics**  
Elementary statistics such as mean, median, mode, making deductions from pie and bar charts, graphs, figures and tables.

#### PART-B - 45 Marks

This part of the aptitude test shall measure the candidate's fundamental understanding of Forestry subjects he has studied at graduation level. The question paper would be of **forty five** Objective Type questions.

## PART - C - 25 Marks

This part of the aptitude test shall measure the candidate's general awareness and shall consist of twenty five Objective Type questions divided into five sections.

1. Current events - 5 marks
2. History of India - 5 marks
3. Indian and World geography - 5 marks
4. Indian polity - 5 marks
5. Indian Economy - 5 marks

### Scope and coverage:

- ❖ **Current events**  
Significant national and international events, personalities (both Indian and International) in news, including sports events and personalities.
- ❖ **History of India**  
Ancient, medieval and recent history including the Indian national movement, its social, economic and political aspects including the nature and character of the 19<sup>th</sup> century resurgence, growth of nationalism and attainment of independence.
- ❖ **Geography**  
The earth, its shape and size, latitudes and longitudes, ocean currents and tides, atmosphere and its composition including physical, social and economic geography of India, its climate, vegetation, natural resources, location and distribution of agricultural and industrial activities.
- ❖ **Indian Polity**  
The country's political system and Constitution of India, covering broadly its framework, main features, different organs of Government and their functioning at the Centre, State and local levels including Panchayath Raj institutions. Fundamental rights, Fundamental duties and Directive principles of state policy, Functioning of Indian democracy and elections.
- ❖ **Indian Economy**  
Economic developments in India, basic foundation of the economy, features and sectors of Indian economy, process of planning and five year plans, markets and State controls, process of liberalization and globalization, inflation, poverty and unemployment.

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#### Scope and coverage:

##### ❖ Numerical ability

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##### ❖ Logical and analytical reasoning

Application of logic and making judgments in given situations.

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##### ❖ Statistics

Elementary statistics such as mean, median, mode, making deductions from pie and bar charts, graphs, figures and tables.

#### PART-B - 45 Marks

This part of the aptitude test shall measure the candidate's fundamental understanding of Science subjects he has studied at graduation level. The question paper would be of **forty five** Objective Type questions.

**Section-A:** Fundamentals of pure sciences: viz. Physics and Chemistry and their application in day to day life. - B.Sc. Degree level”.

**Section-B:** “Fundamentals of life sciences viz. Botany, Zoology and environment science and their application in day to day life. - B.Sc. Degree level”.

The candidates is to attempt one section only i.e., Section-A or Section-B.

If the candidate attempts both the Section-A and B; partly or wholly; the maximum marks obtained in whichever section, only be taken into consideration for deciding the merit.

### **PART - C - 25 Marks**

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Sd/-  
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