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## CSIR-JRF-NET | Previous Year's Solved Papers

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# **CSIR-JRF-NET**

## **Scheme of examination**

Pattern of questions : MCQs

Total marks : 200

Duration of test : 3 Hours

The question paper will be divided in three parts:

### **Part A**

This part shall carry 20 questions pertaining to General aptitude with emphasis on logical reasoning, graphical analysis, analytical and numerical ability, quantitative comparisons, series formation, puzzles etc. The candidates shall be required to answer any 15 questions. Each question shall be of two marks. The total marks allocated to this section shall be 30 out of 200.

### **Part B**

This part shall contain 50 Multiple Choice Questions (MCQs) generally covering the topics given in the syllabus. A candidate shall be required to answer any 35 questions. Each question shall be of two marks. The total marks allocated to this section shall be 70 out of 200.

### **Part C**

This part shall contain 75 questions that are designed to test a candidate's knowledge of scientific concepts and/or application of the scientific concepts. The questions shall be of analytical nature where a candidate is expected to apply the scientific knowledge to arrive at the solution to the given scientific problem. A candidate shall be required to answer any 25 questions.

Each question shall be of four marks. The total marks allocated to this section shall be 100 out of 200. There will be negative marking @25% for each wrong answer.

## **Syllabus : CSIR–JRF–NET**

- Unit 1** Molecules and their interactions relevant to Biology
- Unit 2** Cellular Organization
- Unit 3** Fundamental Processes
- Unit 4** Cell Communication and Cell signaling
- Unit 5** Developmental Biology
- Unit 6** System Physiology : Plant
- Unit 7** System Physiology : Animal
- Unit 8** Inheritance Biology
- Unit 9** Diversity of Life forms
- Unit 10** Ecological Principles
- Unit 11** Evolution and Behaviour
- Unit 12** Applied Biology
- Unit 13** Methods in Biology