Previous Year's Papers

CSIR-UGC-NET : Life Sciences

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Pathfinder Publication
A unit of Pathfinder Academy, Delhi

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ISBN : 978-81-906427-9-8 (paperback)

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Publisher : Pathfinder Publication
Production editor : Ajay Kumar
Copy editor : Jomesh Joseph
Illustration and layout : Pradeep Verma
Cover design : Pradeep Verma
Marketing director : Arun Kumar
Production coordinator : Murari Kumar Singh

Pathfinder Publication
A unit of Pathfinder Academy Private Limited, New Delhi, India.
pathfinderpublication.in
09350208235

Preface

Previous Year's Papers for CSIR-UGC-NET Life Sciences is designed for students to help them revise, consolidate and polish their knowledge and skills.
It contains CSIR-UGC-NET previous year's solved papers that may test the candidate's knowledge of scientific concepts and application of scientific understandings. This book is designed to inform the students about the current trend and pattern of questions and to develop an in-depth understanding of the subject and to review knowledge. The previous year's questions from CSIR-UGC-NET are segregated into a unit-wise manner. The numerical questions of the respective unit have been solved for easy understanding. For better self–assessment and a comprehensive understanding of the subject, these questions can be used for self-examination to evaluate the extent of preparation. It is recommended that one undertake the questions from the respective units after a thorough and patient study of the reference books for best evaluation. We hope you will find this book interesting, relevant and challenging.

Any book of this kind requires meticulous efforts by all its contributors.
We were fortunate to have been assisted by Mr. Ajay Kumar in reviewing this book at every editing stage. We are much indebted to each of them and especially to Dr. Neeraj Tiwari and Harleen Kaur. We would also like to give a special thank you to Pradeep Verma for the graphic design of the book and Monu for typing the manuscript.

Pranav Kumar

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Our publications are tailored to help students strengthen their scientific and competitive expertise and temperament. We continually explore, create, and adopt new innovations to stay ahead of the curve. Our commitment is to deliver the best competitive solutions, offering a custom approach specifically designed to meet your needs, without being costly.

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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

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