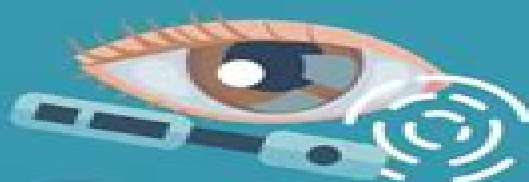


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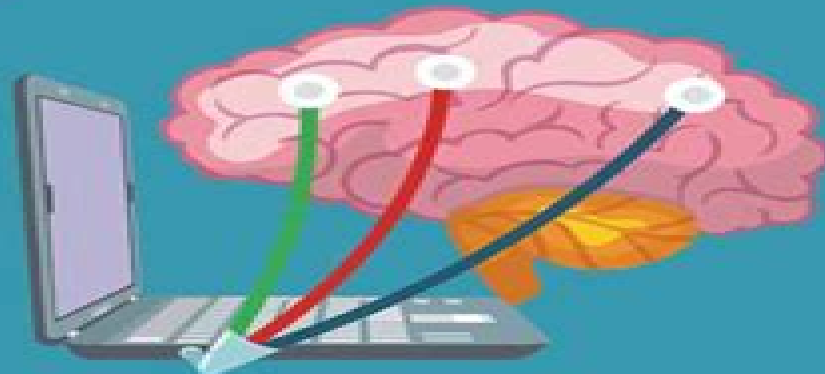
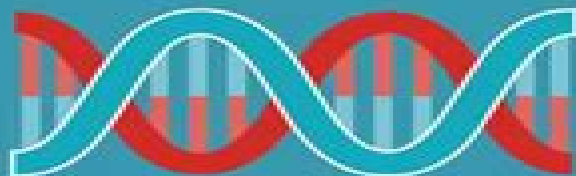
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Dr. S. C. Rastogi, ,Er. Meera Goyal



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Bansal Dr. Sunita Bhagia ,Megha Bansal,2020-06-23 An Excellent Book in Accordance with the latest syllabus for Class 11 Prescribed by CBSE NCERT and Adopted by Various State Education Boards

Introduction

- 1 Necessary equipments chemicals and other things for practical work
- 2 General Instructions for practical work
- 3 Special Instructions for practical note book Drawing and Recording
- 4 Special Instructions for spotting

EXPERIMENTS

- 1 To study and describe the flowering plant belonging to family one from each of the families a Solanaceae b Fabaceae c Liliaceae
- 2 To prepare temporary slide of transverse section of dicot monocot stem dicot monocot root
- 3 To study osmosis by potato osmometer
- 4 To study of plasmolysis in epidermal peel of Tradescantial or Rhoeo leaf
- 5 To study the distribution of stomata on the upper and lower surface of a leaf
- 6 To compare the rate of transpiration in upper and lower surface of the leaf
- 7 To test the presence of sugars Glucose Sucrose and Starch proteins and fats and to detect their presence in suitable plant and animal materials
- 8 To study the separation of plant pigments by paper chromatography
- 9 To study the rate of respiration in flower buds leaf tissue and germinating seeds

10A To test presence of urea in urine 10B To test presence of sugar in urine 10C To detect presence of albumin in urine 10D To test urine for presence of bile salt

SPOTTING

- 1 Study of compound microscope
- 2 To study the plant specimen and identification with reasons Bacteria Oscillatoria Spirogyra Rhizopus Mushroom Yeast Liverwort Moss Fern Pine One Monocotyledonous plant One dicotyledonous plant and one Lichen
- 3 Study of animal specimens

- 1 Amoeba
- 2 Hydra
- 3 Fasciola Hepatica Liver fluke
- 4 Ascaris Lumbricoides
- 5 Hirudinaria Granulosa
- 6 Pheretima Posthuma
- 7 Palaemon
- 8 Bombyx Mori
- 9 Apis Indica Honeybee
- 10 Pila Globasa Snail
- 11 Asterias Starfish
- 12 Scoliodon Dogfish
- 13 Labeo Rohita Rohu
- 14 Rana Tigrina Frog
- 15 Hemidactylus Lizard
- 16 Columba Livia Pigeon
- 17 Orytolagus Cuniculus Rabbit

4A To study the plant tissues Palisade cells Guard cells Parenchyma Collenchyma Sclerenchyma Xylem and Phloem through prepared slide 4B To study the animal tissue squamous epithelium muscles fibres through prepared slide 4C To study mammalian blood smear by temporary permanent slide 5 Study of mitosis in root tip of onion 6 Study of different modification in root stem and leaves 7 To study and identify different types of inflorescence Racemose and Cymose 8 To study imbibition in seed raisins 9 To demonstrate that anaerobic respiration take place in the absence of air 10 To study human skeleton and joints 11 To study the external features of cockroach with help of model or chart

Comprehensive Biology Activities Vol.I XI Dr. J. P. Sharma,2010

NCERT Chemistry Class 11 - [CBSE Board] Dr. S. C. Rastogi, ,Er. Meera Goyal,2022-10-11

Syllabus

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 Paper *Practical/Laboratory Manual Biology Class XII based on NCERT guidelines by Dr. Sunita Bhagia & Megha Bansal*
 Dr. Sunita Bhagia ,Megha Bansal,2020-06-22 A List of Experiments 1 Study pollen germination on a slide 2 Collect and study
 soil from at least two different sites and study them for texture moisture content pH and water holding capacity Correlate
 with the kinds of plants found in them 3 Collect water from two different water bodies around you and study them for pH
 clarity and presence of any living organism 4 Study the presence of suspended particulate matter in air at two widely
 different sites 5 Study the plant population density by quadrat method 6 Study the plant population frequency by quadrat
 method 7 Prepare a temporary mount of onion root tip to study mitosis 8 Study the effect of different temperatures and three
 different pH on the activity of salivary amylase on starch 9 Isolate DNA from available plant material such as spinach green
 pea seeds papaya etc B Study observation of the following Spotting 1 Flowers adapted to pollination by different agencies
 wind insects birds 2 Pollen germination on stigma through a permanent slide 3 Identification of stages of gamete
 development i e T S of testis and T S of ovary through permanent slides from grasshopper mice 4 Meiosis in onion bud cell or
 grasshopper testis through permanent slides 5 T S of blastula through permanent slides Mammalian 6 Mendelian inheritance
 using seeds of different colour sizes of any plant 7 Prepare pedigree charts of any one of the genetic traits such as rolling of
 tongue blood groups ear lobes widow s peak and colour blindness 8 Controlled pollination emasculation tagging and bagging
 9 Common disease causing organisms like Ascaris Entamoeba Plasmodium any fungus causing ringworm through permanent
 slides or specimens Comment on symptoms of diseases that they cause 10 Two plants and two animals model virtual images
 found in xeric conditions Comment upon their morphological adaptations 11 Two plants and two animals models virtual
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different water bodies and study them for pH Clarity and presence of living organisms 4 To study the presence of suspended particulate matter in air at different sites 5 To study plant population density by quadrat method 6 To study plant population frequency by quadrat method 7 To study various stages of mitosis in root tip of onion by preparing slide in acetocarmine 8 To study effect of different temperature and three different pH on the activity of salivary amylase 9 To study the isolation of DNA from available plant material such as spinach green pea seeds papaya etc SPOTTING 1 Pollination in flowers 2 Pollen germination 3 Slides of mammal tissues 4 Meiosis cell division 5 T S of Blastula 6 Mendel's inheritance laws 7 Pedigree chart 8 Controlled pollination 9 Common disease causing organisms 10 Xerophytic adaptation 11 Aquatic adaptation **Report -**

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National Council of Educational Research and Training (India), 1979 **Jeev Vigyan -** **Biology Class 11** Dr.

Sunita Bhagia, ,Megha Bansal, 2023-06-15 1 The Living World 2 Biological Classification 3 Plant Kingdom 4 Animal Kingdom 5 Morphology Of Flowering Plants 6 Anatomy Of Flowering Plants 7 Structural Organisation In Animals 8 Cell The Unit Of Life 9 Biomolecules 10 Cell Cycle And Cell Division 11 Transport In Plants 12 Mineral Nutrition in Plants 13 Photosynthesis In Higher Plants 14 Respiration In Plants 15 Plant Growth And Development 16 Digestion And Absorption 17 Breathing And Exchange Of Gases 18 Body Fluids And Circulation 19 Excretory Products And Their Elimination 20 Locomotion And Movements 21 Neural Control And Coordination 22 Chemical Co ordination And Integration **NEP Jeev vigyan**

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[Bihar & JAC] Dr. S. C. Rastogi, ,Er. Meera Goyal, 2022-10-11 **Xam Success Bhautik Vigyan** **Physics Class**

11 Dr. J. P. Goyal, ,D. C. Upadhyay, Er. Meera Goyal, 2023-11-10 Unit I Physical World and Measurement 1 Units and Measurements Unit II Kinematics 2 Motion in a Straight Line 3 Motion in a Plane Unit III Laws of Motion 4 Laws of Motion Unit IV Work Energy and Power 5 Work Energy and Power Unit V Motion of System of Particles and Rigid Body 6 System of Particles and Rotational Motion Unit VI Gravitation 7 Gravitation Unit VII Properties of Bulk Matter 8 Mechanical Properties of Solids 9 Mechanical Properties of Fluids 10 Thermal Properties of Matter Unit VIII Thermodynamics 11 Thermodynamics Unit IX Behaviour of Perfect Gas and Kinetic Theory 12 Kinetic Theory Unit X Oscillations and Waves 13 Oscillations 14

Waves | Log Antilog and other Tables | Value Based Questions VBQ | Chapterwise Objective Type Questions **Biology Lab Manual Class XI | As Per the Latest CBSE Syllabus and Other State Board Following the Curriculum of CBSE.**

EduGorilla Prep Experts, 2022-07-05 Class 11 Biology Lab Manual will help students to enhance their practical knowledge and also help them discover the new joy of learning. This complete lab activity book is written by Dr. Priyanka Gupta, which strictly follows the latest guidelines of CBSE and the pattern of NCERT and State Board curriculum. All the experiments in this Lab Manual have been given in a simple, lucid, and interactive manner. The theory given with each experiment gives complete knowledge of each term, concept, and definition in order to provide compact knowledge to the students at one place. Viva Voce questions are given with each experiment to test students' understanding of the related experiments. All the lab-based experiments have well-labeled diagrams clearly demonstrating the details of the apparatus that are used, the correct way of handling Laboratory apparatus, and performing the experiments methodically. The basic purpose of this Biology Lab Manual is to provide the students with appropriate guidance so that they can easily understand, carry out, and document the experiments in the Science Laboratory. The Lab Manual comes with practical lessons followed by Lab experiments after each chapter. Attached notebook available for jotting down all the essential information. The aim of this Biology Lab Manual is to help Class 11 students of the various boards to prepare and understand the complex scientific concepts through experimental approach by utilizing pedagogically enhanced content of the Lab Manual for improving their analytical, experimental skills, and learning abilities. Class 11 Biology Lab Manual has been built up to inspire the young minds towards exploring their fascinating and mysterious surroundings.

Lab Manual Science Class 09 Neena Sinha, R. Rangarajan, Rajesh Kumar, These Lab Manuals provide complete information on all the experiments listed in the latest CBSE syllabus. The various objectives, materials required, procedures, inferences, etc. have been given in a step-by-step manner. Carefully framed MCQs and short answers type questions given at the end of the experiments help the students prepare for viva voce. **NCERT WORKBOOK Biology Volume 1 Class 11** Sanubia Saleem, Kavita Thareja, K. Anita, 2021-02-21 1. NCERT Workbook Biology for Class 11th is a unique resource for concepts of NCERT. 2. This Practice Book is divided into 16 Chapters. 3. It helps to build conceptual knowledge. 4. Different types of questions are provided for thorough practice. Conquering NEET requires a firm grip over NCERT concepts. More than 90% of questions asked in NEET 2019-2020 were based on concepts of NCERT. NCERT Workbook Biology for Class 11th is a unique resource to grip on the concepts of NCERT. This innovative book has 22 Chapters of biology that are written and developed keeping in mind the concepts, pattern, and format of the paper. The specialty of this book is that it makes you apply conceptual knowledge in different types of questions. The concept coverage equals exactly with the required level of NEET. This matchless, fun-filled practice book will help NEET aspirant in gripping NCERT concepts to their maximum. TOC: The Living World, Biology Classification, Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants, Morphology of Flowering Plants, Anatomy of Flowering Plants, Structural Organisation in Animals, Cell

The Unit of Life Biomolecules Cell Cycle and Cell Division Transport in Plants Mineral Nutrition Photosynthesis in Higher Plants Respiration in Plants Plant Growth and Development Digestion and Absorption Breathing and Respiration Body Fluids and Circulation Excretory Products and their Elimination Locomotion and Movements Neural Control and Coordination Chemical Coordination and Integration *NCERT Solutions - Biology for Class 11th* Poonam Sharma, 2014-01-01 NCERT

Textbooks play the most vital role in developing student s understanding and knowledge about a subject and the concepts or topics covered under a particular subject Keeping in mind this immense importance and significance of the NCERT Textbooks in mind Arihant has come up with a unique book containing Questions Answers of NCERT Textbook based questions This book containing solutions to NCERT Textbook questions has been designed for the students studying in Class XI following the NCERT Textbook for Biology The present book has been divided into 22 Chapters namely Biological Classification Plant Kingdom Animal Kingdom Biomolecules Mineral Nutrition Respiration in Plants Digestion Absorption Anatomy of Flowering Plants Cell Cycle Cell Division Respiration in Plants Body Fluids Circulation Morphology of Flowering Plants Locomotion Movement etc covering the syllabi of Biology for Class XI This book has been worked out with an aim of overall development of the students in such a way that it will help students define the way how to write the answers of the textbook based questions The book covers selected NCERT Exemplar Problems which will help the students understand the type of questions and answers to be expected in the Class XI Biology Examination Also each chapter in the book begins with a summary of the chapter which will help in effective understanding of the theme of the chapter and to make sure that the students will be able to answer all popular questions concerned to a particular chapter whether it is Long Answer Type or Short Answer Type Question For the overall benefit of students the book has been designed in such a way that it not only gives solutions to all the exercises but also gives detailed explanations which will help the students in learning the concepts and will enhance their thinking and learning abilities As the book has been designed strictly according to the NCERT Textbook of Biology for Class XI and contains simplified text material in the form of class room notes and answers to all the questions in lucid language it for sure will help the Class XI students in an effective way for Biology *Lab Manual Biology Hard Bound Class 11* Rajesh Kumar, Lab Manual

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