

Biology Programme 2017

www.leavingcertlecturedays.ie www.leavingcertrevision.ie

08.30-09.00 Registration and Issuing of COMPREHENSIVE REVISION BOOK, 'Biology Today'.

9.00- 9.10 The EXAM PAPER STRUCTURE - an overview

Introduction to the course structure and exam layout. Revision Book includes: the Biology Leaving Cert days Lecture notes, sample exam paper answers, topic revision flow charts and tables and all 22 Mandatory Practicals with their 'dos and don'ts' - [1 per page and covering a minimum of 3 Leaving Cert Exam Questions],

How to get maximum marks for what you know including the use of marking scheme key phrases.

Unit 1 and 2 (80% of every exam paper)

09.10-11.00 THE CELL Structure and Ultrastructure, Biomolecules & Food, Enzymes, Tissue Culture, Diffusion & Osmosis, Photosynthesis and Respiration.

11.00-11.15 break

11.15-12.50 GENETICS – Unravelling the threads of life.

DNA Structure & Replication, Cell Cycle, Mitosis & Meiosis, Genetic Code, Profiling, Screening and Protein Synthesis, Mendel's Laws, Genetic Crosses, Darwin and Wallace - Natural Selection.

12.25- 12.50 Genetic engineering, Microbiology and classification.

12.50-13.50 Lunch Break

13.50-14.20 ECOLOGICAL PRINCIPLES, Habitat Studies
(Topics from Unit 3)

13.50-14.45 PLANTS in a nut shell!

Flowering Plants: Structure, Responses, Reproduction, Seed Dispersal, Germination & Vegetative Propagation.

14.45 -16.30 THE HUMAN BODY made easy

rapid visit of one pagers devoted to the Human Body:

Skeletal & Nervous Systems (including Sense Organs), Homeostasis, Excretion, Circulatory & Lymphatic Systems, Endocrine, Human Defence & Digestive systems.

From 16.30 Questions and Answers [Optional]