

Revision (5–6 weeks from exam)

| Session | Topic | Subtopic | Important lessons | Done |
|---------|---------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 | Continuity of Species: Heredity | Reproduction | <u>Evaluating Methods of Reproduction</u> | <input type="radio"/> |
| | | DNA and Cell Division | <u>DNA and RNA Structure</u> , <u>DNA Replication</u> , <u>Mitosis</u> , <u>Meiosis</u> | <input type="radio"/> |
| 2 | | Genetics and Inheritance | <u>Introduction to Inheritance</u> , <u>Autosomal and Sex-linked Inheritance</u> | <input type="radio"/> |
| | | Pedigrees | <u>Reading Pedigrees</u> | <input type="radio"/> |
| 3 | | Proteins | <u>Protein Synthesis</u> | <input type="radio"/> |
| | | Mutation | <u>Introduction to Mutation</u> , <u>Mutagens</u> | <input type="radio"/> |
| 4 | | Genetic Technologies | <u>Applications of DNA Sequencing</u> , <u>Applications of DNA Profiling</u> , <u>Uses of Transgenic Organisms</u> | <input type="radio"/> |
| 5 | Continuity of Species: Continuity of Life on Earth | Gene Pools, Selection and Evolution | <u>Phylogenetic Trees</u> , <u>Darwin’s Theory of Natural Selection</u> , <u>Relating Microevolution and Macroevolution</u> | <input type="radio"/> |
| 6 | | Evidence for Evolution | <u>Fossil Evidence for Evolution</u> , <u>Molecular Evidence: DNA Sequencing</u> , <u>Comparative Anatomy</u> | <input type="radio"/> |
| 7 | Surviving in a Changing Environment: Homeostasis | Introduction to Homeostasis | <u>Introduction to Homeostasis</u> | <input type="radio"/> |
| | | Thermoregulation | <u>Thermoregulation (Part 1): Overall Process</u> | <input type="radio"/> |
| | | Osmoregulation | <u>Osmoregulation in Animals (Part 1): Overall Process</u> | <input type="radio"/> |
| 8 | Surviving in a Changing Environment: Infectious Disease | Causes of Infection | <u>Types of Pathogens</u> | <input type="radio"/> |
| | | The Spread of Disease | <u>Factors Influencing the Spread of Disease</u> , <u>Preventing the Outbreak of Disease</u> , <u>Controlling the Spread of Disease</u> | <input type="radio"/> |

Practice (3–4 weeks from exam)

| Session | Topic | Subtopic | Confidence | Done |
|---------|---------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------|------------------------|
| 9 | Continuity of Species: Heredity | Reproduction | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | DNA and Cell Division | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 10 | | Genetics and Inheritance | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | Pedigrees | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 11 | | Proteins | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | Mutation | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 12 | | Genetic Technologies | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 13 | Continuity of Species: Continuity of Life on Earth | Gene Pools, Selection and Evolution | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 14 | | Evidence for Evolution | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 15 | Surviving in a Changing Environment: Homeostasis | Introduction to Homeostasis | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | Thermoregulation | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | Osmoregulation | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| 16 | Surviving in a Changing Environment: Infectious Disease | Causes of Infection | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |
| | | The Spread of Disease | <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div></div> |