

# **Advance Information Exam June 2022**

## **Combined Biology GCSE Higher**

### **Paper 1 Main Focus for revision**

#### Cell division

- Chromosomes
- Mitosis and the cell cycle
- Stem cells

#### Animal tissues, organs and organ systems

- The human digestive system and enzymes
- The heart and blood vessels
- Blood
- Coronary heart disease
- Health issues
- Non-communicable diseases
- Cancer

#### Photosynthesis

- Equation
- Rate of photosynthesis

### **Practicals to revise**

- 3. Food tests
- 4. Effect of pH on enzyme reaction
- 5. Photosynthesis and light intensity

### **Topics that may be assessed and should be reviewed**

- Eukaryotes and prokaryotes
- Animal and plant cells
- Cell specialization
- Cell differentiation
- Communicable diseases
- Bacterial diseases
- Vaccination
- Antibiotics and painkillers
- Discovery and development of drugs
- Respiration
- Metabolism

## **Combined Biology GCSE Higher**

### **Paper 2 Main Focus for revision**

#### Homeostasis

- Human endocrine system
- Control of blood glucose
- Hormones in reproduction
- The use of hormones to treat infertility
- Feedback systems

#### Organisation of ecosystems

- Levels of organisation
- How materials are cycled

#### Biodiversity and Human Impact

- Biodiversity
- Waste management
- Global warming
- Maintaining biodiversity

### **Practicals to revise**

- 7. Measuring populations and their distribution

### **Topics that may be assessed and should be reviewed**

- Meiosis
- Classification
- Communities
- Abiotic and Biotic factors