

INTERMEDIATE PART-II (12th CLASS)**BIOLOGY PAPER-II (OLD SCHEME)**

TIME ALLOWED: 2.40 Hours

SUBJECTIVE

MAXIMUM MARKS: 68

NOTE: - Write same question number and its part number in answer book, as given in the question paper.

SECTION-I

- 2. Attempt any eight parts. 8 × 2 = 16**
- (i) Define Anhydrobiosis with example.
 - (ii) How does Osmoconformers differ from Osmoregulators?
 - (iii) Describe recycling role of liver.
 - (iv) What do you know about Lithotripsy?
 - (v) Explain sleep movements with example.
 - (vi) State two types of cartilage.
 - (vii) What do you know about Vernalisation?
 - (viii) Give symptoms and causes of Syphilis.
 - (ix) How CO_2 affect the growth of plants?
 - (x) What type of changes occur during metaphase of mitosis?
 - (xi) How does weather differ from climate?
 - (xii) Characterize profundal zone of Lake.
- 3. Attempt any eight parts. 8 × 2 = 16**
- (i) Give two functions of Gibberellins.
 - (ii) What are Neurotransmitters? Give their various types.
 - (iii) Define feedback mechanism.
 - (iv) What is Aging? Give its symptoms.
 - (v) How metabolic defects lead to abnormal development?
 - (vi) What is discoidal cleavage?
 - (vii) What is Primer?
 - (viii) Differentiate between Antisense and Sense Strand.
 - (ix) Define Grazing. What is the impact of grazing on grassland ecosystem?
 - (x) What is Biomass?
 - (xi) What is Wild Life? Give its importance.
 - (xii) Give main causes of Greenhouse effect.
- 4. Attempt any six parts. 6 × 2 = 12**
- (i) What is the difference between Monohybrid and Dihybrid cross?
 - (ii) What do you mean by Homozygous and Heterozygous?
 - (iii) What do you mean by incomplete dominance?
 - (iv) What are Palindromic Sequences?
 - (v) What Is Cystic Fibrosis?
 - (vi) What do you mean by Ex-vivo and In-Vivo?
 - (vii) What are Hydrothermal Vents?
 - (viii) What is Hardy-Weinberg Theorem?
 - (ix) What do you mean by Genetic Drift?

SECTION-II

NOTE: - Attempt any three questions.

- 5.(a) Describe major Homeostatic functions of the Liver. 4
- (b) Describe the components of Ecosystem. 4
- 6.(a) Define Tropic Movement. Explain its different types. 4
- (b) Explain evolution of Eukaryotes from Prokaryotes. 4
- 7.(a) Discuss human female reproductive cycle. 4
- (b) Write note on air pollution. 4
- 8.(a) Explain some of the common disorders of human nervous system. 4
- (b) Define Cell Cycle. Discuss interphase with diagram. 4
- 9.(a) Describe the types of RNA and their function. 4
- (b) Discuss the genetics of colour-blindness. 4