

Roll No. _____ (To be filled in by candidate)

(For all sessions)

Paper Code	8	4	6	5
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Biology (Objective Type)

Time: 20 Minutes

Marks: 17

NOTE: Write answers to the questions on the objective answer sheet provided. Four possible answers

A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. The floral parts of a flowering plant are:

- (A) Homologous (B) Analogous (C) Similar (D) Different

2. Mutualism is a type of:

- (A) Symbiosis (B) Commensalism (C) Parasitism (D) Predation

3. The average rainfall in temperate deciduous forest is between:

- (A) 700-2500 m.m (B) 700-800 m.m (C) 700-1000 m.m (D) 700-1500 m.m

4. The two main causes of air pollution are industrialization and:

- (A) Automobiles (B) Urbanization (C) Deforestation (D) Overgrazing

5. The leaves with very small surface area, are found in:

- (A) Hydrophytes (B) Mesophytes (C) Xerophytes (D) Sciophytes

6. The compound which take part in urea cycle is:

- (A) Adenine (B) Guanine (C) Citrulline (D) Thymine

7. Osteomalacia includes a number of disorders in which bones receive inadequate:

- (A) Water (B) Oxygen (C) Blood (D) Minerals

8. Each A-band has a lighter stripe in its mid section called:

- (A) A-Zone (B) H-Zone (C) M-Line (D) Z-Line

9. The receptor cells of planaria are sensitive to:

- (A) Light and pressure (B) Light, pressure and touch
(C) Touch pressure and chemicals (D) Light, pressure, touch and chemicals

10. In nature P₇₃₀ to P₆₆₀ Conversion occurs in:

- (A) Dark (B) Light (C) Morning (D) Evening

11. Lutenizing hormone in human female induces:

- (A) Menstruation (B) Menopause (C) Oogenesis (D) Ovulation

12. The branch of biology which deals with the study of abnormal development is:

- (A) Morphology (B) Embryology (C) Teratology (D) Peratology

13. The genetic code for glycine is:

- (A) UAG (B) GAU (C) GUA (D) GGU

14. In turner syndrome the affected person have set of chromosomes:

- (A) XO (B) XXY (C) XYY (D) XXO

15. The leptotene and zygotene lasts for:

- (A) few hours (B) few days (C) few weeks (D) few years

16. The maturity on set diabetes of the young is:

- (A) An autosomal recessive trait (B) An autosomal dominant trait
(C) A sex linked trait (D) A sex influenced trait

17. The organisms used as biofilters is:

- (A) Transgenic plant (B) Transgenic animal (C) Transgenic bacteria (D) Transgenic virus