

Biology Part-II

Fic. No. _____

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Biology Part-II**SECTION "A"**

Time: 20 Min

Marks: 18

Note: Use this Sheet for this Section. No marks will be awarded for cuttings erasing and over writing.

Q.1 Write the correct option i-e (A,B,C,D) and write it in the given relevant box.

- (i). Osteoporosis is the reduction in bone mass of aged women due to decrease level of _____.
 (a).Androgen (b).Thyroxin (c).Iodine (d).Estrogen
- (ii). The locomotion in which the palun, sole writst ankle and the digits all rest on the ground allied _____.
 (a).Plantigrade (b).Unguligradde (c).digitigrade (d).Brachiation
- (iii). A neuron with one axon and numerous dendrites is called _____.
 (a).Monopolar (b).Bipolar (c).Multi Polar (d). None of these
- (iv). Drugs that enhance the production of acetyl choline are used to treat _____.
 (a).Alzeimer's disease (b).Parkinson's disease (c).Epilopsy (d). tetny
- (v). The female gemetes are ova and process of their formation is called _____.
 (a).Occulation (b).Oogenesis (c).Parthenogenesis (d). Lactation
- (vi). Importance of nucleus in development was expressed in a unicellular alga..
 (a).Anabaena (b).Oscillatoria (c).Acetabularia (d).None of these
- (vii). The events occurring from the zygote to the adult stage are called _____.
 (a).Eleavage (b).Development (c).Embryology (d).Gastrulation
- (viii). When the centromere lies between two unequal arms the chromosome is _____.
 (a).Telocentric (b).Metacentric (c).Submetacentric (d).Acrocentric
- (ix). The gestation period in human female is usually of _____.
 (a).270 days (b).280 days (c).290 days (d).300 days
- (x). Asexually propagation of a plant through callus called _____.
 (a).Cloning (b).Apomixes (c).Tissue culture (d).Parthinogenesis
- (xi). Inflorescence having either pistilate or staminate flowers called _____.
 (a).Uniparous cyme (b).Umbel (c).Panicle (d).Catkin
- (xii). Oxytocin is secreted by the endocrine gland named _____.
 (a).thyraid gland (b).Adrenal gland (c).Porathyraid gland (d).Pituitary gland
- (xiii). Stapage of menstrual cycle in an old age woman reffered as _____.
 (a).Ovalaiton (b).Manupause (c).Gestation (d).Lactealstage
- (xiv). Meristem involved in thickness of a stem is _____.
 (a).Lateral (b).Intercalavy (c).Apical (d). Compensatory
- (xv). Point out the genotype for dark red coloured wheat grain _____.
 (a).r1r1r2r2 (b).R1R1R2R2 (c).r1r1R2R2 (d).R1R1r2r2
- (xvi). The recombinant DNA which is formed by joining together two different pieces of donor and vector is called _____.
 (a).Duplex DNA (b).Single strand DNA (c).Complimentary DNA (d). Chimeric DNA
- (xvii). Similarity in the structure of human bond, bat's wing and cat's paw is the evidence of evolution from _____.
 (a).Analogy (b).Homology (c).Bio chemistry (d).Domestication
- (xviii). The succession that takes place on a dry habitation is called _____.
 (a).Mesosere (b).Hydrosere (c).Xerosere (d).all of them

Biology Part-II

Time: Allowed: 2.40h

Marks: 67

SECTION “B”**Q2. Answer in Short any Ten (10) of the following Parts. Each Part has equal marks. (40)**

- (i) What is aging?
- (ii) Differentiate between Fraternal twins and Meternal twins.
- (iii) What do you know about digitigrade locomotion?
- (iv) What is tissue culture?
- (v) Differentiate between primary growth and secondary growth.
- (vi) What is Karyotype?
- (vii) Write note on Epilepsy.
- (viii) What do you know about skeletal muscles?
- (ix) Write a note on thyroid gland.
- (x) Differentiate movable and immovable joints with examples.
- (xi) Define genetic engineering.
- (xii) Write note on artificial selection.
- (xiii) What is plasmid?

SECTION “C”**Note: Attempt any THREE questions. All questions carry equal marks. (27)**

- Q3. Describe the Structure and Function of Nephron.
- Q4. What is a joint? Describe different types of joints.
- Q5. Define and explain Photoperiodism.
- Q6. Describe the Structure of hen's egg.
- Q.7 Discuss the Structure and chemical composition of DNA.