

SETHU BHASKARA MATRIC HIGHER SECONDARY SCHOOLFIRST REVISION TEST - 2018-19BIO-ZOOLOGY ANSWER KEYCLASS :- XII

SECTION - "A"

(i) Choose and write the correct answer :-

(8 x 1 = 8)

1. D - Peptic ulcer.
2. B - Progesteron.
3. C - A(iv) B(ii) C(ii) D(i)
4. D - All the above.
5. B - Polypeptide
6. C - 5×10^{20} K Calories.
7. B - A seal.
8. D - Jean Baptist de Lamarck.

SECTION - B

Answer any four for the following :-

(4 x 2 = 8)

9.

Isometric exercise	aerobic exercise.
(i) It is best for developing large muscle	It has beneficial effect on the Cardiovascular system.

10. (i) The most economical and convenient method of cultivating a wide variety of animal virus is chicken embryo technique. 1 Mark
- (ii) Fertile egg incubated for 5-12 days are inoculated with virus particle through the shell aseptically. The opening may be sealed with Paraffin wax. 1 Mark

11. (i) The Process of Production of T-cells, B-cells and all other cells of immune response. 2 Mark

12. (i) It is learnt that cells of embryo at a later stage of development switch over from totipotent state to Pluripotent state. 2 Mark

13. (i) Ozone is most depleted is referred as ozone hole. 1 Mark
- (ii) It was first detected in the Stratosphere. 1 Mark

14. (i) In certain cases, whole set of homologous chromosomes do not separate in meiosis. It produce diploid gamete. 1 Mark
- (ii) Fusion of diploid gamete with normal haploid gametes give rise to new species. 1 Mark

III Answer any three questions :- (Q.No: 18 Compulsory) (3x3=9)

15. (i) Essential constituent
 (ii) Transport medium.
 (iii) Valuable solvent.
 (iv) Maintenance of body temperature
 (v) Site of chemical reaction
 (vi) Maintain forms and texture of tissue
- } Any three 3 Marks.

16. (i) Selectively attach to the external surface.
 (ii) Penetrate the above body surface
 (iii) Localized infection.
 (iv) Generalized infection.
 (v) Can grow within the cells of host, causing severe disturbance
 (vi) May grow extracellularly and bring damage to the body.
- } any three
3 marks.

17. (i) Understanding the structure of Eukaryotic gene.
 (ii) Genetically engineered bacteria are employed to synthesize certain vital life saving drugs.
 (iii) Gene types of plants are altered. Transgenic plants are disease and pest resistance
 (iv) Gene therapy.
 (v) Super bugs.
- } Any three
3 marks.

18. (i) Key Stone Species :- A species whose role is absolutely vital for the survival of many other species. (1 mark)
- (ii) Man and Biosphere Program :- It was launched in 1971 to catalyze a greater understanding and provision of knowledge and skill ^{to} support sustainable relationship between people and their environment. (1 mark)
- (iii) Hot Spot :- Place of high concentration of endemic species. (1 mark)

19. (i) Deposition of male reproductive cells in the female reproductive tract.

(ii) Semen is collected from male by artificial means.

(iii) Inseminated in female by placing a portion of it either in a collected (or) in a diluted form.

3 marks.

(iv) Proper time and most hygienic condition is essential

SECTION - D

IV

Answer all the questions :-

(2 x 5 = 10)

20. (i) ventilation

1/2 mark

(ii) Diffusion.

1/2 mark

(iii) Transport of oxygen.

1/2 mark

(iv) Distribution of oxygen.

1/2 mark

(v) Exchange of oxygen.

1/2 mark

(vi) Transporting of CO₂

1/2 mark

(vii) Exchanging of CO₂.

1/2 mark

(viii) Expiration.

1/2 mark

(ix) diagram.

1 mark

(OR)

(i) Graft from one region of the body to another in the same patient easily accepted.

(ii) Graft obtained from close relative like brother and sister were rejected.

3 marks

(iii) When a second graft was performed, by obtaining the tissue from the same donor, the rejection reaction occurs with greater intensity and speed.

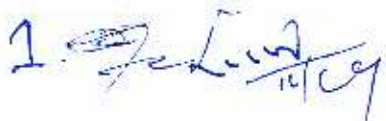
(iv) Auto graft.	1/2 Mark
(v) Iso graft	1/2 Mark
(vi) Allo graft.	1/2 Mark
(vii) xeno graft	1/2 Mark

21. (i) Hazardous wastes may remain dangerous for thousands of years. They include radioactive refuse, metallic compounds, organic solvents, acid asbestos, etc. 1 Mark
- (ii) Methods of disposal of hazardous waste. 1 Mark
- (i) Land fills. 1 Mark
 - (ii) Deep well injection. 1/2 Mark
 - (iii) Surface impoundment. 1/2 Mark
 - (iv) Incineration. 1 Mark
 - (v) Bio remediation.

(OR)

- (i) Out breeding. 1 Mark
- (ii) Cross breeding. 2 Mark
- (iii) Artificial insemination. 2 Mark

Signature of subject handling teachers.

1.  10/1/19

2.  12/1/19

3.



4. M.T. Senthil

