Annual Examinations –2017-2018 Biology Class IX

Time: 2 Hrs.

| | Section –A (40 M | larks) | |
|--|---|--|---------------|
| (Compulsory) Q1. A: Name the following: | | | |
| (i) The control centre of the cell. | | | (5) |
| (ii) The longest cell in human body. | | | |
| (iii) A flexible supporting tissue in anim | als no ipope | | |
| (iv) A pistil with many carpels. | nais que r | | |
| (v) Outer thick layer of a pollen grain. | | | |
| (1) o aller anon alyer of a ponen grani. | and the first state of the second | | |
| (B) Fill in the blanks:- | 111 | | (=) |
| (i) Bird pollinated flowers may be | shaped & have sti | amos | (5) |
| (ii) A fruit is a maturecontaining | | gmas. | |
| (iii) In exalbuminous seeds, the food is | stored in the | | |
| () interference of the second state in the second state is a second state in the second s | stored in the | | |
| (C) Match the following:- | | | (5) |
| Column A | Column B | | (5) |
| (i) Tuberculosis | (a) Water borne disea | ase II | |
| (ii) Chelera | (b) Hydrophobia | | |
| (iii) Polio | (c) Veneral disease | 1111 | |
| (iv) Rabies | (d) Infection in lungs | | |
| (v) Syphilis | (e) Paralysis of limbs | | |
| | | | |
| (D) Give one word for the following:- | | | (5) |
| (i) A disease in which skin becomes yel | lowish & liver gets affect | cted. | (5) |
| (11) Organisms that carry the pathogens | from one person to anoth | her. | |
| (III) Chemicals used to kill insects. | | | |
| (iv) Rehydration mixture given to preve | nt dehydration.X | | |
| (v) State of complete physical, mental & | & social well being | | |
| | e e e e e e e e e e e e e e e e e e e | | |
| | | | (5) |
| (E) Choose the correct answer of the fol | lowing:- | | (5) • |
| (E) Choose the correct answer of the fol(i) Which one of the following is nonbio | lowing:- odegradable? | (d) Clath | (5) • |
| (E) Choose the correct answer of the fol (i) Which one of the following is nonbid (a) Paper (b) plastic bottle | lowing:- odegradable? (c) Cooked food | (d) Cloth | (5) . |
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M.M: 80

(iii) Cell wall:Cellulose; Cell membrane:.....

(iv) Mitochondria: Oxidation enzymes; Lysosomes:.....

(v) Adenine: Thymine ; Cytosine;.....

(H) Identify the phylum on the basis of following features:(i) Diploblastic, multicellular, animals with coelenterons ECM
(ii) Jointed legs, exoskeleton of chitin, haemocoel. And the ham
(iii) Spiny skinned, radially symmetrical, have tube feet. The Echidar
(iv) Anterior mouth, gills in operculum, two chambered heart. P
(v) Dry scaly skin, 3 chambered heart with partial septum A

SECTION- B (40 marks) (Do any four questions)

Q.IV(A) The figure shows alimentary canal of man.



| (i) Label the parts 1 to 9. | (4) |
|---|------|
| (ii) What changes take place in part-1& part-5. | (2)+ |
| (iii) Name the enzyme present in part-3. | (1) |
| (iv) Name the digestive glands visible to the diagram. | (2) |
| (v) Write the function of part-6. | (1) |
| A second s | |

Q. III (A) The figure shows the L.S of ovary at the time of fertilization,



(i) Label the parts 1 to 10.

(B) Write the difference between the following:-

(i) True ribs & False ribs

(ii) Voluntary muscle & Involuntary muscle

(iii) Unisexual flower & Bisexual flower

(iv) Ebracteate & Bracteate

(v) Sessile & Pedicillate

(5)

(5)

(5)

2.IV (A) Study the figure given below & answer the questions that follow:-



| (A) (i) Label the parts 1 to 9. | (4) |
|--|-----|
| (ii) How does skin help in maintaining body temperature? | (1) |
| (iii) State the functions of parts 3 & 4. | (2) |
| (iv) What are the excretory substances present in the sweat. | (1) |
| (B) Write two differences between vasodilation & vasoconstriction. | (2) |

Q.V (A) The adjoining diagram represents the organ of human thorax.



(i) Label the parts 1 to 8.

(ii) What are the functions of part-2 & part-7.

- (i) The wastes that can broken down by micro-organisms & Allowing (ii) Wastes produced from computers & other organisms & Allowing (iii) place
- (iii) Plants used for treatment of industrial wastes.

(iv) A method to prepare manure & is environment friendly.

Q. YI (A) The figure shows the structure of a disease causing organism:-



| (i) | Name | the | organism. | × |
|-----|------|-----|-----------|---|
|-----|------|-----|-----------|---|

| (i) ituite the organism. | | (1) |
|--|---|-----|
| (ii) Name the disease caused by it, | | (1) |
| (iii) Write five symptoms of the disease caused by the above organism. | ~ | (5) |

(B) Study the figure & answer the following:-



(i) Identify the figure. (ii) Label the parts 1 to 4.

(1) (2)

(4)

(2)

-(4)