

**ANNUAL EVALUATION-2019-20**  
**STANDARD VIII BIOLOGY ANSWER KEY**  
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1. Ribosome
2. Production of protein
3. Laid foundation to modern taxonomy.

Proposed Binomial nomenclature.

- 4 . Secondary consumer : Frog

Second trophic level: Grasshopper

5. Muscular tissue : Others are connective tissues

Wildlife Sanctuary	National Park
Periyar	Silent Valley
Wayanad	Eravikulam

6.

- a. Fallopian tube/ oviduct
- b. Sperm is motile and microscopic. It has a head, middle piece and a tail. They move with the help of the tail. Mitochondria, present in the middle piece, provides the energy for movement

7. a Fish

b. Cuniculture

c Tussar: Sericulture (Rearing of silkworm)

d Mellifera : Apiculture (Rearing of honey Bee)

8 . a.Reproductive method: Budding Organism: Hydra

b. Reproductive method: Binary fission : Organism:Bacteria

9 .

a)Domain	Eukarya
Kingdom	b)Animalia
Phylum	Chordata
Class	Mammalia
Order	Primates
Family	Hominidae
Genus	c) Homo

Species	d) Sapiens
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10. a. Gene Banks

b. Gene banks are research centres with facilities to collect seeds and gametes to preserve them for a long time. Organisms can be recreated out of them whenever required .

c. In - situ conservation : Organisms are protected in their natural habitats

Ex - situ conservation : Organisms are protected outside their natural habitats

11. a. A: Placenta B: Umbilical cord

A: Placenta: It helps in the exchange of materials between the mother and foetus without mixing their blood. Nutrients reach the foetus through the umbilical cord developed from placenta. Waste materials are also eliminated through the placenta.

C: Amniotic fluid: prevents dehydration of the foetus and protects it from shocks

12. a. Anaemia

b. Anaemia is caused by reduction in the number of red blood corpuscles in blood or by the deficiency of haemoglobin. In anaemic condition, blood loses its capacity to carry oxygen, and hence the person feels weak and exhausted.

c. Include Iron rich food Items in the diet.

Iron tablets may be used as an immediate solution, it is advisable to ensure the availability of nutrients through regularisation of food habits.

consuming leafy vegetables, fruits and lentils in adequate quantities would help to overcome anaemia

A. Organism	B. Interactions	C. Peculiarities
Deer and Tiger	Predation	Beneficial to one and harmful to the other
Flower and butterfly	Mutualism	Beneficial to both organisms
Mango tree and vanda	Commensalism	Beneficial to one and is neither beneficial or harmful to the other