

GIRIDIH COLLEGE, GIRIDIH / A.D.C., RAJDHANWAR.

Assignment for internal examination

Semester - 3rd, (2019-2022)

Subject:- Zoology.

Paper - Core-5th

F.M - 10.

Answer any two questions.

1. What is digestion? Discuss how carbohydrates are digested and absorbed in a typical mammal.
2. Give an account on the mechanisms of O_2 and CO_2 transport in cellular respiration.
3. Describe the physiology of blood coagulation.
4. Write an essay on Menstrual cycle in human.

Paper- Core-6th.

P.M. 10

Answer any two questions.

1. Give a general account of structure and classification of carbohydrates.
2. Describe Krebs cycle in detail.
3. Describe the structure of DNA double helix (Watson and Crick model.)
4. Write β -oxidation of fatty acid and its energetics in detail.

Paper - Core-7th

Answer any two questions.

1. Give an account of structure and function of pituitary gland.
2. Describe the structure and function of endocrine pancreas.
3. What is pheromones? Describe its function in detail.
4. Describe the general mechanism of hormone action.

Practical - based on c-5, c-6, b-7 F.M.10

Answer any two questions.

1. Describe how to prepare Haermin Crystal
2. How to measure blood pressure by sphygmomanometer
3. Describe how to estimate the amount of Glucose in unknown sample.
4. Draw neat and labelled diagram and comment upon it

- (a) T.S. of lung of mammal.
- (b) T.S. of liver of mammal.
- (c) T.S. of kidney of mammal.

Zoology - GE/GEM - SEM - 3rd.

F.M-10

Theory.

Answer any two questions

1. Give an account of structure and classification of carbohydrates.
2. Describe the structure of DNA double helix (Watson and Crick model).
3. Describe the physiology of blood coagulation.
4. Give an account on the mechanism of O₂ and CO₂ transport in the cellular respiration.

Practical

F.M-5

Answer any two questions.

1. How to determine Hb%.
2. How to determine blood clotting time.
3. Draw neat and labelled diagrams and comment upon it.
 - a. T.S. of testis of mammal
 - b. T.S. of Thyroid gland
 - c. T.S. of blastula.