ADARSH COLLEGE, RAJDHANWAR

Sem-I Botany Generic Elective Theory

2015-19 to 2019-22

Answer any two questions

1. Describe the economic importance of Bacteria.
2. With suitable diagram describe the redial stage of Puccini.
3. Describe the internal structure of the gametophyte ticthalins of marchantania.
4. Write shorts note on any two of the following :-
   a. Pinus needle
   b. Nature of virus
   c. Lichen
   d. Chara sex organs

Sem I Practical

Answer all questions

1. Write in details about provided model (TMV)
2. Describe the types of Bacteria.

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Sem - II Botany Generic Elective Theory

2015-19 to 2019-22

Answers any two questions

1. Describe the ecological adaptation of Xerophytes.
2. With Suitable diagram describe the floral charactors, floral diagram and floral formula of the family Apocynaeeal.
3. Write the causes and controls of Water pollution.
4. Write short notes on any two of the following

a. Food Chain
b. Energy Flow
c. Herbarium
d. Rules of ICBN

Sem - II Botany Generic Elective Practical

Answer all questions

1. Describe the morphological adaptation of hydrophytes.
2. With suitable diagram describe the floral charactors, floral diagram and floral formula of the family poaceal.

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Sem - III Botany Generic Elective Theory

2015-19 to 2019-22

Answer any two questions

1. Describe the anomalous secondary growth in Boerhaavia.
2. With suitable diagram describe the different types of ovule found in a plant.
3. Write the morphology and five uses of wheat and cotton.
4. Write shorts notes on any two of the following

a. Double fertilization
b. Endosperm
c. Complex tissues
d. Polyembryony

Sem - III Botany Generic Elective Practical

Answers all questions

1. Write the identifying characters of Parenchyma and Collenchyma.
2. Write two economic importance of Gram and Tulsi.

ADARSH COLLEGE, RAJDHANWAR

Sem - IV Botany Generic Elective Theory

2015-19 to 2019-22

Answer any two questions

1. Describe the mechanism of transpiration in a plant.
2. Write the chemical nature and physiological effects of Gibberellins.
3. Write in details the requirements of plant tissue culture
4. Write shorts notes on any two of the following
   a. Root pressure
   b. Polyploidy
   c. Mytochondria
   d. Photophosphorytation

Sem - IV Botany Generic Elective Practical

Answers all questions

1. Shows that oxygen evolved during photosynthesis.
2. With suitable diagram describe the metaphase stage of mitosis.

ADARSH COLLEGE, RAJDHANWAR

SEMESTER - IV GENERIC ELECTIVE ZOOLOGY Theory F.M – 15

2015-19 to 2019-22

Answer any two questions

1. Describe components of Ecosystem.
2. Source and impact of Air Pollution.
3. Sericulture and its economic importance.

Practical GE – IV F.M – 05

Answer any two of the following with neat and labelled diagram.

1. Life cycle of honey bee.
2. Mouth parts of Cubex.
3. Common Sugarcane pests.

ADARSH COLLEGE, RAJDHANWAR

SEMESTER - III GENERIC ELECTIVE ZOOLOGY Theory F.M – 15

2015-19 to 2019-22

Answer any two questions

1. Describe structure classification and biological significance of Carbohydrate.
2. Describe transport of gases O2 and CO2.
3. Describe Placenta and their functions.

Practical GE – III F.M – 05

Answer any two of the following with neat and labelled diagram.

1. Chick embryo (co.M) 36 hrs.
2. T.S. of Thyroid.
3. Tadepal larva (WM)

ADARSH COLLEGE, RAJDHANWAR

SEMESTER - II GENERIC ELECTIVE ZOOLOGY Theory F.M – 15

2015-19 to 2019-22

Answer any two questions

1. Explain Mendals Law of Inheritance.
2. Explain Transcription in Prokaryotes.
3. Describe Darwins theory of selection.

Practical GE – II F.M – 05

Answer any two of the following with neat and labelled diagram.

1. Homologons and Analogans.
2. Archeoptery x
3. Anaphase of Mitosis.

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SEMESTER - I Generic Elective Zoology Theory F.M – 15

2015-19 to 2019-22

Answer any two questions

1. Describe the Life cycle and Pathogenecity of Taenia Salium.
2. Describe water vascular system in Asturias.
3. Retrogressive metamorphosis in herd mania explain in detail.

Practical GE – I F.M – 05

Answer any two of the following with neat and labeled diagram.

1. Sycon
2. Octopus
3. Paramecium (10. M)