

S.No.: 285 BATCH: 2012-2014, 2016, 2017 Reg.No.:

END OF SEMESTER EXAMINATIONS, NOVEMBER - 2018
GENERAL PRINCIPLES OF ZOOLOGY
SUBJECT CODE: 16UBZO02

109

MAJOR: B.Sc.,(Botany)
TIME : 3 HOURS

SEMESTER : II
MAX.MARKS : 75

SECTION - A (10 X 1 = 10)

Answer All the questions:

Define:

1. Striated muscle.
2. Synapse.
3. Cleidoic egg.
4. Amnion.
5. Phagocytosis.
6. Haemopoiesis.
7. Isthmus.
8. Androgens.
9. Intraspecific struggle.
10. Genetic drift.

SECTION - B (5 X 4 = 20)

Answer All the questions:

- 11.a) Briefly explain the types of Neuron.
(OR)
b) Write short notes on muscle contraction.
- 12.a) Explain the vertebrates eggs based on the amount of yolk.
(OR)
b) Give a brief note on Blastulation in frog.
- 13.a) Write about the attenuated live vaccines.
(OR)
b) Explain the immunological functions of Spleen.
- 14.a) Describe the structure of Thyroid glands.
(OR)
b) Briefly explain the adrenal cortex.
- 15.a) Write short note on struggle for existence.
(OR)
b) Point out the salient features of Mutation theory.

SECTION - C (5 X 9 = 45)

Answer All the questions:

- 16.a) Write a detailed account on Reflex action.
(OR)
b) Describe the ultra structure of skeletal muscle.
- 17.a) Give a detailed account on patterns of cleavage.
(OR)
b) Explain the amnion and its functions.
- 18.a) Write an essay on innate immunity.
(OR)
b) Describe the structure of thymus and its functions.
- 19.a) Write a detailed account on structure and function of pituitary gland.
(OR)
b) Give an account of functions of Oestrogen.
- 20.a) Write an account on the principles of Lamarckism.
(OR)
b) Give an account of Neo-Darwinism.
