



M 9831

Reg. No. :

Name :

V Semester B.Sc. Degree (CCSS – Reg./Supple./Imp.)

Examination, November 2015

CORE COURSE IN ZOOLOGY

5 B06 ZLG : Environmental Biology and Zoogeography

Time : 3 Hours

Max. Weightage : 25

SECTION – A
(Environmental Biology)

I. Answer any one. Weightage 4.

- 1) Comment on biotic and abiotic factors.
- 2) Mention major types of pollutions mentioning their impacts on our atmosphere.

(1×4=4)

II. Answer any one. Weightage 4.

- 3) Comment on global warming and its impacts.
- 4) Define population. Mention interaction between populations.

(1×4=4)

III. Answer any three. Weightage 2 each.

- 5) Define ecological pyramids.
- 6) Comment briefly limiting factors.
- 7) Define green house gases.
- 8) Comment on radioactive pollution.
- 9) Explain Shelford's law of tolerance.

(3×2=6)

IV. Answer any four. Weightage 1 each.

- 10) Define mutualism.
- 11) Define biomes.
- 12) Comment on hotspot.
- 13) State Wild Life Protection Act.

P.T.O.



14) Explain ecological succession.

15) Explain mangrove ecosystem.

16) Explain recycling pathway.

(4×1=4)

V. Answer the following. Weightage 1.

17) a) _____ is a population interaction in which one of the organism gets harmed.

[a) Commensalism b) Mutualism c) Competition]

b) Name a sedimentary cycle.

c) Name any faunal species endemic to Western Ghats.

d) Population decreases with increase in _____

[a) Natality b) Immigration c) Mortality]

18) Match the following :

a) Oil spill	population fluctuation
b) Predation	acid rain
c) Migration	marine pollution
d) Sulphur cycle	negative interaction

(2×1=2)

SECTION – B (Zoogeography)

VI. Answer **any two**. Weightage **2 each**.

19) What is bipolar distribution ?

20) Describe the biogeographical classification of India.

21) Explain isolated distribution of animals.

22) Give a brief account on continental islands.

(2×2=4)

23) Match the following. Weightage 1.

a) Sedentary habits	– Western ghat
b) Madagascar	– Australian realm
c) Archaic mammals	– Mega diversity
d) Nilgiri Thar	– Biological barrier

(1×1=1)