

(4)

7. Write short notes on any two of the following: $5\frac{1}{2} + 5\frac{1}{2} = 11$

efecveeKele mes ekeavneRoes hej me#ehle e\$theeCeJeB eueKeS :

(i) Memory

mceile

(ii) Migration of Birds

heffelJeelWkeae DeJeeme~

(iii) Learning

DeDeiece

Unit-I V/F-I V

8. What is pollution? Give an account of air pollution and its control measures. 12

efecveeKele nif JeelJeg efecveeKele Fmekâ efecveeCe GheUeelWkeae
elejejCe oepes~

9. Write short notes on the following: $4 \times 3 = 12$

efecveeKele hej me#ehle e\$theeCeJeB eueKeS:

(i) Greenhouse Gases

eeveneGme iemel

(ii) Toxic effects

Deefleeeueg DeYeale

(iii) Dose response relationship

[epe j mheesme mecyevOe

A

(Printed Pages 4)

Roll No. _____

S-663

B.Sc. (Part-III) Examination, 2015

ZOOLOGY

(For Regular Students only)

Third Paper

(Ecology, Microbiology and Animal Behaviour Etc.)

Time Allowed : Three Hours] [Maximum Marks : 75

- Note : (i) Answer five questions in all.
(ii) Question No. 1 is compulsory.
(iii) Attempt one question from each Unit.
(iv) Illustrate your answers with suitable diagrams.
(v) Marks for different questions are mentioned.
- (i) kejue heelBe DeMveelWkeai Goej oepes~
(ii) DeMve meb1 DeefJeelJen~
(iii) DeUekâ FkâeF&mes Skeâ DeMve keaepes~
(iv) Deheves Goej elWkeai meeLe GhelJegeâ j Keedlese oepes~
(v) meYer DeMveelWkeai Deleâ ebs ieS nq

(2)

1. Give a brief description of the following:

efecveefueKele keāe meffehle effejCe oepes : $3 \times 10 = 30$

- (i) Chlorofluorocarbons (CFCs)
keāej efueej es keāeyte (CFCs)
- (ii) Bacteriophage
peefeeCejeepes
- (iii) Eutrophication
megeesCe
- (iv) Anadromous
mecējehieecea
- (v) LD₅₀
LD₅₀
- (vi) Engram
mcffUeheave
- (vii) Instinct behaviour
venefieka dejebe
- (viii) Viroid
JeeFjeF[
- (ix) Ecological niche
heefj emLeelkeā keacekee
- (x) Jet lag
peš ueie

Unit-I / Fkāef-I

2. What is ecosystem? Attempt a diagrammatic exposition of energy flow in an ecosystem.
heefj emLeelkeā lēle kefēe nfp ekeameer heefj emLeelkeā lēle ceWTpef
keāe j KēefUeheete efēTMheCe keāepes~

11

(3)

3. Write short notes on any two of the following:
 $5\frac{1}{2} + 5\frac{1}{2} = 11$

- efecveefueKele cellmes ekeānre oes hej meffehle efftheCejeeb efueKeles
- (i) Aquatic adaptation
peefeeDevefueve
- (ii) Population density
pevemekUee levelJe
- (iii) Biotic factors
peffekā keāj keā

Unit-II / Fkāef-II

4. Define bacteria. Describe any five bacterial diseases.

11

peefeeCeg keāer hefj Yeeē oepeS~ peefeeCeg peefee ekeānre hefje
yeeceefj Ueellkeā JeCehe keāepes~

5. How do you define virus? Differentiate between lysogenic and lytic cycle.

11

JeeFj me keāes Dehee ekeāne fkeāej hefj Yeefele keāj nfp ueefmeepesfekā
Sjeb ueefeskeā Ueēā ceWelleYeo keāepes~

Unit-III / Fkāef-III

6. What do you understand by behaviour? Give an account of various types of animal behaviour.

11

JUelenej mes Dehee kefēe mecePeles nfp UeCeer JUelenej keā effejDe
fkeāej effkeā effejCe oepeS~