

Kishore Bharati Bhagini Nivedita College (Co-Ed.)
(Affiliated to the University of Calcutta)

2020

ZOOLOGY – HONOURS
(1+1+1 2009 Regulations)

Third Paper (Unit-II)

Full Marks : 50

Time : 2 Hrs.

The figures in the margin indicates full marks.

Candidates are required to give their answers in their own words as far as practicable.

Send PDF of the Answer Script to **kbbnczoology@gmail.com**

Answer **question no. 1** and **any three** questions from the rest.

1. Write short notes on **any four** from the following: 5×4
 - a) Succession
 - b) Age pyramid
 - c) Y-shaped energy flow model
 - d) Gause's principle
 - e) Flagship species
 - f) Biodiversity hot-spots
 - g) Wildlife corridor
 - h) Mega-diversity country

2. Describe about the population attributes. 10

3. Dominant species typically achieve their status at the expense of other species –
Explain. Describe about the Edge effect and Ecotone. 5+5

4. Distinguish between (**any two**): 5×2
 - a) Natality and Mortality
 - b) El niño and La niña
 - c) S-shaped and J-shaped curve
 - d) r-selected and K-selected species

5. What is biodiversity? Write short notes on different levels of biodiversity. 2+8
6. Explain the major reasons behind wildlife depletion in India. Write the differences between National Park and Wildlife Sanctuary. 5+5
7. What are the major causes behind man-elephant conflict? Write the names of the categories under IUCN RedList of Threatened Taxa. 6+4
