

Seat
No.

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April 2014

कड - 070

ZOOLOGY PAPER - II : ZOO - 122

Ecology
(New) (12156)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicates full marks.
6. Draw neat labelled diagrams wherever necessary.

1. Multiple choice attempt **any eight**.

8

- i) Ecology is the basic branch of, which deals with the study of organisms.
a) Chemistry b) Biology
c) Physics d) Geography.
- ii) The prey - predator food chain is also known as food chain.
a) Detritus b) Saprophytic
c) Grazing d) Parasitic.
- iii) is the important abiotic factor, which acts as driving force of life on earth.
a) Soil b) Light
c) Water d) Nitrogen.
- iv) The..... cycle begin with the utilization of CO₂ in the formation of carbohydrates in plant.
a) Water b) Carbon
c) Nitrogen d) Oxygen.
- v) energy is the unpolluted and unclimatic source of energy.
a) Coal b) Solar
c) Biomass d) Ocean.

- vi) The lowest layer of atmosphere extending up to 10km is called.....
 a) Troposphere b) Tophosphere
 c) Hydrosphere d) Biosphere.
- vii) The animals which are living in are called aquatic animals.
 a) Soil b) Water
 c) Desert d) Mud.
- viii) is on of the green house gas, responsible for global warming.
 a) CO b) CO₂
 c) NO₂ d) H₂S.
- ix) Kaziranga wild life sanctuary is famous for conservation of.....
 a) Rhinoceros b) Wild buffalo
 c) Lion d) Tiger.
- x) The process of soil formation is known as
 a) Paedogenesis b) Apodogenesis
 c) Podogenesis d) None of above.

2. Define / Explain / Comment on **any four**. 8
 a) Food chain b) Population ecology
 c) Decomposer d) Temperature
 e) Biogeochemical cycle f) Aerial adaptation.
3. Attempt **any two** of the following. 8
 a) Describe climatic effect of global warming.
 b) Describe oxygen cycle with suitable example.
 c) Explain fossorial adaptation with suitable example.
4. a) Attempt **any two** of the following. 6
 i) Explain tidal energy.
 ii) Enlist lotic and lentic water bodies.
 iii) Explain food web.
- b) Energy crises. 2
5. Attempt **any one** of the following. 8
 a) What are non - conventional resources ? Give brief account on solar energy.
 b) What is soil profile ? With the help of suitable diagram briefly explain soil profile.
