

Seat Number

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NOV-2015



कात - 016

ZOOLOGY PAPER - II : ZOO - 122
Ecology (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. Graph or diagram should be drawn with the black ink 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) In Greek words oikos means-----
 - a) House
 - b) City
 - c) Village
 - d) Town.
- ii) One of the following is decomposers.
 - a) Bacteria
 - b) Elephant
 - c) Grasshopper
 - d) Tick.
- iii) The lowest layer of atmosphere extending up to 10 km is called-----
 - a) Troposphere
 - b) Hydrosphere
 - c) Biosphere
 - d) None.
- iv) Green plant synthesize ----- by photosynthesis.
 - a) Protein
 - b) vitamin
 - c) Carbohydrates
 - d) None.
- v) ----- are also known as photovoltaic cell.
 - a) Solar cell
 - b) Battery cell
 - c) Plant cell
 - d) Animal cell
- vi) Domestic biogas is mostly produced from cattle dung and hence called -----
 - a) Petrole gas
 - b) Gobar gas
 - c) Coal gas
 - d) None

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P.T.O

- vii) Chameleon is the example of ----- adaptation.
a) Arboreal b) Aerial
c) Aquatic d) Desert.
- viii) Acid rain pollution is a form of ----- pollution.
a) Air b) Water
c) Noise d) Soil
- ix) Bharatpur bird sanctuary is located in ----- state.
a) Rajasthan b) Bihar
c) U.P. d) Kerala
- x) The process of soil formation is called -----
a) Paedogenesis b) Glycogenesis
c) Glycolysis d) None.

2. Define / Explain / comments any four.

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- a) Producer.
- b) Abiotic factors.
- c) Nitrification.
- d) Gasohol
- e) Aerial adaptation.
- f) Wild life.

3. Attempt **any two** of the following.

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- Explain fossorial adaptation with suitable example.
- Define ecosystem Enlist and explain biotic components of pond ecosystem.
- Explain effects of light on plants.

4. a) Attempt **any two** of the following.

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- Explain in brief parasitic food chain
- Sketch and label a diagram of soil profile
- Write short notes on carbon cycle.

b) What is consumers?

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5. Attempt **any one** of the following.

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- With the help of diagrammatic representation show the food web in grassland ecosystem.
- What is biogas? Discuss the structure and functions of biogas plant.
