

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

Paper ID : 181213

Roll No. 

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**B. Arch.**

**Theory Examination (Semester-II) 2015-16**

**ECOLOGY & ENVIRONMENT**

*Time : 3 Hours*

*Max. Marks : 100*

**Section-A**

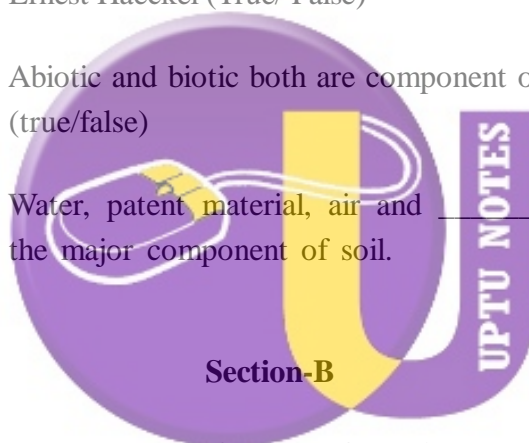
**Q1. Attempt all parts from the followings. (10×2=20)**

- (a) What is the definition of environment?
- (b) What is community ?
- (c) Define soil ?
- (d) \_\_\_\_\_ is a group of individuals of a particular species occupying a particular area at a specific time.
- (e) Mutation and commensalism are type of interaction (true / false)

(1)

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- (f) \_\_\_\_\_ is a sequence of organism, each of which uses the next, lower member of sequence as a food source.
- (g) The branch of biology that deals with the relation of organism to one another and to their physical surrounding is called \_\_\_\_\_
- (h) The term "ecology" was first propose by the biologist Ernest Haeckel (True/ False)
- (i) Abiotic and biotic both are component of ecosystem (true/false)
- (j) Water, patent material, air and \_\_\_\_\_ are the major component of soil.



**Q2. Attempt any 5 parts from the followings. (10×5=50)**

- (a) Difference between primary succession and secondary succession?
- (b) Explain smog? How it is harming our health?
- (c) Difference between niche and habitat?

- (d) Explain holism? Explain its hierarchy of organization?
- (e) Explain food pyramid?
- (f) How soil can be conserve?
- (g) How water imbalance problem was created by humans?
- (h) Explain natality rate and mortality rate?

**Attempt any 2 questions from the followings. (15×2=30)**

Q3. The **2015 United Nations Climate Change Conference, COP 21** or **CMP 11** was held in Paris, France, from 30 November to 12 December 2015. On 12 December 2015, the participating 195 countries agreed, by consensus, to the final global pact, the Paris Agreement, to reduce emissions as part of the method for reducing greenhouse gas. In the 12-page document, the members agreed to reduce their carbon output "as soon as possible" and to do their best to keep **global warming** "to well below 2 degrees C" ..... Explain how this can be achieved?

- Q4. What is water contamination? How our water sources get contaminated? What are the major precaution we should take in saving our water source?
- Q5. Explain structure of atmosphere?

