

DO NOT WRITE ANYTHING ON QUESTION PAPER EXCEPT YOUR NAME, DEPARTMENT AND ENROLMENT No.

**POSSESSION OF MOBILE IN EXAMINATION IS A UFM PRACTICE**

Name of Student ----- Enrolment No. -----

Department -----

**BENNETT UNIVERSITY, GREATER NOIDA**

**End Term Examination, FALL SEMESTER 2018-19**

**COURSE CODE: ESEA 301 L**

**MAX. DURATION: 2 hours**

**COURSE NAME: Environment & Sustainability**

**COURSE CREDIT: 3**

**MAX. MARKS: 40**

<b><u>Special instructions:</u></b> <ul style="list-style-type: none"> <li>The answers are to be written / drawn in the question paper itself</li> <li>All questions are mandatory</li> </ul> <b><u>Negative marking</u></b> <ul style="list-style-type: none"> <li>There are no negative marking</li> </ul> <b><u>Instructions for Examination and Use of Booklet</u></b> <ul style="list-style-type: none"> <li>Return this booklet to the invigilator at the end of the exam</li> <li>Failure to return the booklet will cause "F" grade</li> </ul>		<b>Q. No.</b>	<b>Marks Awarded</b>	
		1.		
		2.		
		3.		
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		13.		
		14.		
		<b>Total Marks (Max)</b>	<b>Total Marks (Scored)</b>	
		40		
Name of the Invigilator :				
Signature of the Invigilator with Date :				

**MCQs (5 x 1 marks)**

1. What is the predominant cause of acid rain
  - a. Industrial pollution
  - b. Global warming
  - c. Volcanoes
  - d. None of the above
  
2. Global cooling can happen due to which of the following reason(s)
  - a. Volcanic activity
  - b. Human activity
  - c. Earth's rotation around the sun
  - d. None of the above
  
3. Which of the following is an expected effect of Global warming in India
  - a. Destroying crops
  - b. Large scale storms
  - c. River drying
  - d. None of the above
  
4. What is/are an example(s) of geoengineering?
  - a. Harvesting Earth's geo-heat to create electricity
  - b. Creating artificial rain
  - c. River connections
  - d. Changing geology to create hydroelectric dams
  
5. Which of the following is/are a protected forest?
  - a. Okhla bird sanctuary
  - b. Deoghar tiger reserve
  - c. Thiruvantapuram backwater fish reserves
  - d. None of the above

**Short answer (35 marks)**

**6. Discuss 4 advantages of rainwater harvesting [2 marks]**

**7. A lot of items in Bennett University lay unused and probably get wasted. Can you propose use of one or more such items in making something commercially useful to the university? [3 marks]**

8. List reasons of human wildlife conflict and steps that can be taken to avoid the same [2 + 2 marks]

9. What is a biodiversity hotspot? List the biodiversity hotspots in India. What are the factors that threaten biodiversity? [2 + 2 +2]

**10. What are the inorganic nutrients responsible for water pollutions? (2)**

**11. What are the differences between eutrophic and oligotrophic lakes? (3)**

**12. What are the primary and secondary air pollutants? Give two examples each of primary and secondary air pollutants? (1+4=5)**

**13. What are the four distinct phases of a lifecycle assessment (LCA) process? Explain LCA with an example. (5)**

**14. Suggest 10 different ways by which an individual can prevent pollution. (5)**

