



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

**POSSESSION OF MOBILE, SMART WATCH ETC, IN EXAMINATION IS A UFM PRACTICE**

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

Department /School -----

**BENNETT UNIVERSITY, GREATER NOIDA**

**Mid-Term Examination, SPRING SEMESTER 2018-19**

COURSE CODE: ESEA 301 L

MAX. DURATION: **ONE HOUR**

COURSE NAME: Environment & Sustainability

COURSE CREDIT: 3

MAX. MARKS: **25**

**Note**

- Write all answers on answer sheet. Do not write any answer on the question paper.

**1. World forestry day is celebrated on: (1)**

(a). 22<sup>nd</sup> May; (b). 5<sup>th</sup> June; (c). 21<sup>st</sup> March; (d). 2<sup>nd</sup> February.

**2. Majority of Indian forests are of: (1)**

(a). Tropical moist and dry deciduous type; (b). Tropical evergreen type; (c). Tropical coniferous type; (d). Tropical evergreen and coniferous type.

**3. Secondary consumers make up: (1)**

(a) the first trophic level; (b) the second trophic level; (c) the third trophic level; (d) the fourth trophic level.

**4. The equation for cellular respiration is: (1)**

(a)  $5\text{CO}_2 + 5\text{H}_2\text{O} + \text{energy} \rightarrow \text{C}_5\text{H}_{10}\text{O}_5 + 5\text{O}_2$

(b)  $\text{C}_5\text{H}_{10}\text{O}_5 + 5\text{CO}_2 \rightarrow 5\text{O}_2 + 5\text{H}_2\text{O} + \text{energy}$

(c)  $\text{C}_5\text{H}_{10}\text{O}_5 + 5\text{O}_2 \rightarrow 5\text{CO}_2 + 5\text{H}_2\text{O} + \text{energy}$

(d)  $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \rightarrow 6\text{CO}_2 + 6\text{H}_2\text{O} + \text{energy}$

**5. In India, highest amount of groundwater is extracted for: (1)**

(a) Industrial uses, (b) agriculture, (c) domestic uses, (d) wastewater treatment.

**6. Lichens are responsible for: (1)**

(a) Eutrophication; (b) climate change; (c) ozone layer depletion; (d) ecological succession.

**7. Write all the correct statements from the following options? (1)**

(a) Due to eutrophication dissolved oxygen level increases, (b) Due to eutrophication biological oxygen demand (BOD) increases, (c) Nitrogen and phosphorus are responsible for eutrophication, (d) Eutrophic lake has deep water.

**8. Which one of the following has the lowest global warming potential? (1)**

(a) CO<sub>2</sub>; (b) CH<sub>4</sub>; (c) N<sub>2</sub>O; (d) SF<sub>6</sub>.

**9. Since pre-industrial times atmospheric concentrations of CO<sub>2</sub> has increased by over: (1)**

(a) 82%; (b) 42%; (c) 141%; (d) 31%

**10. Within the mesosphere: (1)**

(a) temperature gradually increases from lower to higher altitude; (b) temperature gradually decreases from lower to higher altitude; (c) temperature gradually decreases from lower to higher altitude and again gradually increases; (d) temperature gradually increases from lower to higher altitude and again gradually decreases.

**11. Please explain the main cause of marine dead zone formation. (2).**

**12. Give three examples for each of primary and secondary air pollutants. (3).**

**13. Please explain the nitrogen cycle. What is the importance of nitrogen cycle? (3+2=5)**

**14. What are the three possible mechanisms that can cause the warming of the atmosphere? Please explain. (5)**

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