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SEAT No. _____

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY**Bsc. (5th SEMESTER) Botany****Subject code - US05CBOT04 - ECOLOGY OF PLANTS****Date : 13/11/2017****Day: Monday****Time: 10:00a.m. To 1:00 p.m.****Total Marks: 70****Note : * All questions are to be attempted.***** Figures to the right indicate marks.**

Q. 1	<p>Choose the most appropriate answer.</p> <p>1. The collective and continuous growth of plants in space is called.. 1. Flora 2. Vegetation 3. Species 4. Factor</p> <p>2. The study of the ecology of an individual or a particular species of organism called.... 1. Synecology 2. Population ecology 3. Autecology 4. Habitat ecology</p> <p>3. The % distribution of species among the various live form of a flora is called. 1. Biological clock 2. Biological spectrum 3. Life form 4. Ecotone</p> <p>4. Organism that occupy the same ecological niche in different geographical regions is known as _____ 1. Ecological equivalents 2. Standing crops 3. Standing state 4. Ecotone</p> <p>5. Flowering in plants is affected by temperature through..... 1. Thermoperiodism 2. Precipitation 3. Photoperiodism 4. Humidity</p> <p>6. Ozone layer is present in _____. 1. Stratosphere 2. Atmosphere 3. Lithosphere 4. None of the above</p> <p>7. Soil erosion can be prevented by 1. Deforestation 2. Raising forests 3. Excessive use of fertilizer 4. Overgrazing</p> <p>8. Major source of formation of soil is.... 1. Snow covered mountain 2. Riverbeds 3. Rocks 4. Volcanoes</p> <p>9. The occurrence of relatively definite sequence of communities over a period of time in the same area is known as 1. Competition 2. Colonization 3. Composition 4. Ecological succession</p> <p>10. In a barren there reach the seeds and propagules of the species, this is known as.... 1. Migration 2. Ecesis 3. Dominance 4. Composition</p>	10
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Q. 2	Give brief answer the following questions (Any ten). 1. Define: Autecology. 2. What is role of producers in ecosystem? 3. What is energy flow? Explain it. 4. Explain: Dessication. 5. What is humidity in the air? 6. Explain: Seed dormancy. 7. Why water is essential for life? 8. Write full form of CPCB and COD 9. Explain- Climate. 10. Define: Dominance. 11. Define: Migration 12. Define: Species diversity.	20
Q. 3	Explain the following terms. Conservation, Standing state, Adaptation, Succession, Pollution OR	10
Q. 3	Explain the following terms. Ecades, Population ecology, Ecological pyramid, biome, Biomass,	10
Q. 4	Write short note on: 1. The effects of light on plants 2. Liebig's law of Minimum OR	06 04
Q-4.	Write short note on: 1. Biological clocks 2. Ecological indicators	06 04
Q. 5	What is natural resources? Give an account of forest resources. OR	10
Q. 5	Explain it: 1. Soil profile. 2. Biological method of soil conservation.	05 05
Q. 6	Explain the following: 1. Quadrature method. 2. Fresh water ecology. OR	05 05
Q. 6	Explain the following: 1. Marine ecology. 2. Transect method.	05 05