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Seat No. \_\_\_\_\_

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY  
T.Y.B.Sc. Examination, 2019  
SEMESTER V  
ECOLOGY OF PLANT  
Subject code - US05CBOT04

Date : 18 /11/2019

Time: 10:00 to 1:00p.m.

Note : \* All questions are to be attempted.

Day:Monday

Total Marks: 70

\*Figures to the right indicate marks.

Q. 1 Choose the correct answer from the given options{10x1}

10

1. The collective and continuous growth of plants in space is called.....  
1. Flora      2. Species      3. Vegetation      4. Factor
2. The percentage distribution of species among the various life forms of flora is called \_\_\_\_\_.  
1. Biological clock      2. Ectone      3. Biological spectrum      4. Population.
3. Interlocking pattern of chains in an ecosystem is called \_\_\_\_\_.  
1. Food Chain      2. Ecological pyramid.      3. Food Web      4. Ecological energetic
4. Flowering in plants is affected by temperature through.....  
1. Thermoperiodism      2. Precipitation      3. Photoperiodism      4. Humidity
5. The rest above the mesosphere up to the hight of above 300km earth surface is.... 1. Ionosphere      2. Troposphere      3. Atmosphere      4. Stratosphere
6. Which pigment in green plants absorbs solar energy?  
1. Chlorophyll      2. Phycoeynean      3. Carotinoids      4. Phycoerythrin
7. Which mechanical method is used for construction of small basins along the slops to intercept and divert the runoff water.....  
1. Agronomic practics      2. Dry farming      3. Basin listing      4. Contour terracing.
8. Major source of soil formation is.....  
1. Rocks      2. River beds      3. Snow covered mountain      4. Volcanoes
9. The process of seedling establishment and successful growth is called  
1. Ecesis      2. Dominance      3. Migration      4. Composition
10. The occurrence of relatively definite sequence of communities over a period of time in the same area is known as ...  
1. Competition      2. Composition      3. Colonization      4. Ecological sccession.

(1)

(PTO)

Q. 2	Answer the following question (Any ten). 1. What is Energy flow? 2. Explain Synecology. 3. Define- Ecological pyramid. 4. Explain Seed Dormancy. 5. What is humidity of Air? 6. What is the difference between desiccation & chilling injury? 7. Why is water essential for life? 8. Fertile soil has lots of humus. "why"? 9. What is conservation? 8. Write Full form of CPCB. 9. Explain- Chart quadrat method. 10. Explain Stratification.	20
Q. 3	Define and explain following terms: Species, Adaptation, Standing state, Ecotone, Paleo ecology. OR	10
Q. 3	Define and Explain following terms Biomass, Pollution. Ecological niche, Applied ecology, Ecad.	10
Q. 4	What is Biological clock? Explain in detail. OR	10
Q. 4	Explain : 1.The effects of light on plant. 2.Ecological Indicators.	06 04
Q. 5	Explain : 1. Soil profile. 2.Soil conservation OR	05 05
Q. 5	Explain : 1.Deforestation. 2. Forest conservation through law.	05 05
Q. 6	What is Community? Explain different Quantitative characters used in community structure. OR	10
Q. 6	Explain : 1.Marine ecology. 2.Freshwater ecology	05 05