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SEAT No. _____

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY

T.Y. B.Sc. (6th SEMESTER) EXAMINATION

Wednesday, 3rd April, 2019

10.00 AM to 01:00 PM

Environmental Science

US06CENV05 Ethnobiology, Biodiversity, Forestry and Wildlife

Total Marks: 70

Q.1. Write the correct answer in the answer sheet

(10)

1. _____ is known as father of Modern Ethnobotany

- (a) Janki Emmal (b) S K Jain (c) Richard Schultes (d) Harshberger

2. The Pioneer work on Ethnobotany was carried out by _____ in South India

- (a) Janki Emmal (b) S K Jain (c) Richard Schultes (d) Harshberger

3. _____ is a rich source of biodiversity.

- (a) rain forest (b) grassland (c) thorny desert (d) none

4. Black Buck is found in _____.

- (a) Kutch (b) Velavadar (c) Gir (d) Nal Sarovar

5. _____ results in loss of Biodiversity.

- (a) monoculture (b) polyculture (c) both a & b (d) none

6. _____ is dentine composed of 60% of Calcium

- (a) Lac (b) Honey (c) Ivory (d) Resin

7. The dominant element of deciduous forest is _____

- (a) Bamboo (b) Neem (c) Mango (d) Teak

8. _____ is a land use system that integrates trees, crops and animals

- (a) Social Forestry (b) Agro forestry (c) Silviculture (d) Silviculture

9. Velavadar National Park is a _____.

- (a) grassland (b) dense forest (c) thorny forest (d) desert

10. Wildlife includes _____.

- (a) flora (b) fauna (c) both a & b (d) none

(1)

P.T.O.

Q.2. Answer the following in brief (Any 10) (20)

1. Write a brief note on contribution of Janki Emmal
2. Enlist the sub disciplines of Ethnobotany
3. What is the use of Ancient Literature in ethnobotanical studies?
4. Define Genetic Biodiversity.
5. Write about the threats to Olive Ridley Turtle.
6. Discuss the role of forest in Biodiversity Conservation.
7. What is Agro forestry?
8. What are fibers? Give the classification
9. What are gums and resins?
10. State the effect of wildlife on ecosystem.
11. Name four National Parks of Gujarat.
12. What are the threats to Wild life?

Q.3. (a) Discuss the plants of religious value (06)
(b) Write in brief on herbal medicine (04)

OR

Q.3. (a) Explain the methods of Ethnobotanical studies (06)
(b) Discuss any one tribe of indigenous people of India (04)

Q.4. (a) Write about the conservation of Biodiversity. (05)
(b) Explain about the Olive Ridley Turtle. (05)

OR

Q.4. (a) Write about the Convention on Biological Diversity. (05)
(b) Discuss about the Black Buck. (05)

Q.5. Discuss the forest types in India (10)

OR

Q.5. (a) Write in brief about rubber yielding plant (05)
(b) Discuss - Social forestry program (05)

Q.6. Write in detail the concepts of Wild life. (10)

OR

Q.6. Explain in detail about the National Parks & Sanctuaries of Gujarat. (10)

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