

(48)

SARDAR PATEL UNIVERSITY No. of Printed Pages: 2
B.Sc. EXAMINATION
SEMESTER- I
US O1 E BIO 01
ELECTIVE BIOLOGY

DATE 02/12/13 - MONDAY

TIME : 02:30 - 04:30pm

TOTAL MARKS-70

Q-1 Multiple Choice Questions:

10

1. Night blindness is caused due to the deficiency of...
a) Vitamin C b) Vitamin B c) Vitamin D d) Vitamin A
2. Which muscle is present in human heart?
a) Smooth muscle b) Cardiac muscle c) Skeletal muscle d) all of these
3. The following elements is involved in wound healing.
a) Zink b) Calcium c) sodium d) Magnesium
4. Snakes are sensitive to...
a) Earth born vibration b) Noises made by birds c) air borne vibration d) thurc...
5. The animal that does not drink water is ...
a) Camel b) Kiwi c) Gazelle d) Kangaroo rat
6. Sheathing leaf base is found in..
a) Dicot b) monocot c) both a and b d) none
7. Whorled phyllotaxy is found in..
a) China rose b) calotropis c) spicks d) umbel
8. The Pea plant climb by means of...
a) Hook b) thron c) tendril d) stem
9. Clove is...
a) *Allium cepa* b) *Solanum tuberosum* c) *Syzygium aromaticum* d) none
10. Cajanus cajan belong to ... family
a) Poaceae b) fabaceae c) liliaceace d) a and b both

Q-2 Short Questions: [any ten]

20

1. Sketch and labeled an aerolar tissue
2. Name of various types of connective tissue
3. Write the characteristics of epithelial tissue
4. Write the main function of feathers
5. List of any four none poisonous snake
6. Write helpful insect in medicine
7. Define climbers
8. What is phyllotaxy

9. Sketch and labeled diagram of typical tissue
10. Write the use of jute
11. Write the any two botanical name of cereals
12. Write the medicinal use of tulsi

Q-3 **Write short notes on..**

- | | | |
|---------------------|----|----|
| a) Types of WBC | | 06 |
| b) Minerals calcium | 04 | |

OR

Q-3 Explain in detail note on Vitamin 10

Q-4 **Write short notes on**

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|---------------------------------|--|----|
| a) External characters of snake | | 05 |
| b) Browning adaptations | | 05 |

OR

Q-4 Describe mimicry in detail 10

- | | | |
|---|--|----|
| Q-5 a) Sketch and labeled diagraame of plant cell | | 05 |
| b) Write part of leaf | | 05 |

OR

Q-5 describe the part of Flower with diagram 10

- | | | |
|--|--|----|
| Q-6 a) Write botanical name, family and uses of teak | | 04 |
| b) Write uses of brinjal, onion, and pegion pea | | 06 |

OR

Q-6 Write botanical name, family and uses of any two timber yielding plants 10

—X—X—