

INTERNAL TEST

B.Sc.-Ist SEMESTER

BIOLOGY-US01CBIO02

Date- 8/10/13

Marks-30

Tuesday

Time-11.00-12.00noon

Q-1 Multiple choice questions.



(06)

(1) Bacteriophage is:

- (a) an organelle of the bacterium
- (b) a bacterium which infects a higher plant cell
- (c) a bacterium which infects an animal cell
- (d) a virus which infects a bacterium

(2) A Bacterium possessing flagella all around its surface is _____

- (a) atrichous (b) cephalotrichous (c)lophotrichous (d) peritrichous

(3) When ovary is superior, flower is _____

- (a)epigynous (b) perigynous (c)hypogynous (d) none of these

(4) A leafy structure present at the base of flower is known as _____

- (a) bract (b) stipule (c) bracteole (d) stiple

(5) Galka,Pumpkin,Kakdi,Karela etc. are the examples of:

- (a) Solanaceae (b) Cucurbitaceae (c) Malvaceae (d) Apocynaceae

(6) Anatomical features of Cycas leaf-let indicate that Cycas is a/an

- (a) xerophyte (b) mesophyte (c)hydrophyte (d) amphibian

Q-2 Answer the followings (any three).

(06)

(1) How do bacteria reproduces asexually?

(2) Classify viruses on the basis of their genetic material.

- (3) Draw labeled diagram of a leaf.
- (4) Name the types of racemose inflorescence.
- (5) Write the distinguishable characters of Malvaceae family.
- (6) Draw a labeled diagram of megasporophyll of Cycas.

Q-3 (a) Differentiate between a plant and an animal virus. (03)

(b) Classify viruses on the basis of their host. (03)

OR

Q-3 (a) Write the characteristic features of bacteria (any six). (03)

(b) How viruses differ with bacteria? (03)

Q-4 Explain the types of flower based on the position of ovary. (06)

OR

Q-4 What is pinnate compound leaf? Describe its types. (06)

Q-5 (a) Draw labeled diagram of a flower. (03)

(b) Write the distinguishable characters of Solanaceae family. (03)

OR

Q-5 Draw a labeled diagram of t.s. of Cycas leaf-let. (06)

