



V P & R P T P SCIENCE COLLEGE  
B.Sc. FIRST SEMESTER  
CELL BIOLOGY AND BIODIVERSITY ( US01CBIO21)

Friday

Time-12-30PM to 2-30PM

5-10-2018

TotalMarks-50

Que-1 MCQ

(08)

(1) Generally the Golgi body in plant cells are known as

(a) Microsomes (b) Dictyosomes (c) Ribosome (d) Peroxisomes

(2) Which of the following not found in plant cell generally?

(a) Nucleus (b) Cell wall (c) centriole (d) vacuole

(3) Which one of the following is a reducing sugar?

(a) Lactose (ii) Maltose (iii) Glucose (iv) All of these

(4) Which one of the following is a MUFA?

(a) Oleic acid (b) Linoleic acid (c) Acetic acid (d) None of these

(5) Rhizopus is \_\_\_\_\_.

(a) autotrophic (b) symbiotic (c) saprophytic (d) parasitic

(6) Yeast is an important source of \_\_\_\_\_.

(a) vitamin-c (b) riboflavin (c) sugars (d) proteins

(7) Which one of the followings, highly consumed as food by Man?

(a) Chilopodes (b) Arachnids (c) Insects (d) Crustaceans

(8) Gradual metamorphosis occurs in

(a) Silver fish (b) Dragon fly (c) Grasshoppers (d) Mosquito

Que-2 Short Questions(any five)

(10)

(1) Explain Giant Chromosomes

(2) Describe ER and its functions

(3) What is essential aminoacids?

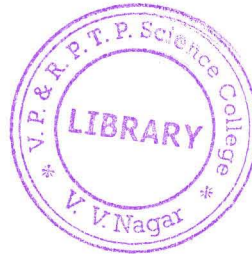
(4) What is PUFA?

(5) What is alternation of generation?

(6) Explain-Role of algae as food.

(7) Draw and labeled the diagram of Taenia solium.

(8) Write about economic importance of Earthworm.



Que-3 Singer Nicholson Model of Plasma membrane and its functions.

(08)

OR

Que-3 Explain cell cycle in detail.

(08)

Que-4 Write in detail about classification of carbohydrates with examples.

(08)

OR

Que-4 Write a note on essential fattyacids with their structure.

(08)

Que-5 Describe the lytic cycle in viruses.

(08)

OR

Que-5 Write in detail on: Economic importance of algae.

(08)

Que-6 Explain the life cycle of Filarial worm.

(08)

OR

Que-6 Explain the polymorphism in Insects.

(08)

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