



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program :Third Semester – 2020

Paper: Biology-II

Course Code: BIO-211/21116Part – I (Compulsory)

Time: 15Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

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Signature of Supdt.:

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

- 1- An important evidence in the favour of organic evolution is the occurrence of
 - a) Homologous and vestigial organs
 - b) Homologous and analogous organs
 - c) Vestigial and analogous organs
 - d) Homologous organs only
- 2- A group of population in which genes are exchange through interbreeding potentially is called
 - a) Ecology
 - b) Population
 - c) Specie
 - d) Ecosystem
- 3- What is formed by a group of cells and tissues that work together to carry out a specific function?
 - a) Organ
 - b) Organism
 - c) Organelle
 - d) Organ system
- 4- Which method is of asexual reproduction?
 - a) Sporulation
 - b) Fission
 - c) Apomixis
 - d) All of these
- 5- The organ system that uses blood to carry nutrients and oxygen to the cells of the body is the
 - a) Cardiac system
 - b) Reproductive system
 - c) Circulatory system
 - d) Urinary system

- 6- The region of earth, where life exists is known as
a) Atmosphere b) Biosphere c) Lithosphere d) Hydrosphere
- 7- Energy _____ in an Ecosystem.
a) Is released b) Is absorbed c) Flows d) None of the above
- 8- Meristematic tissues and permanent tissues are types of
a) Endoplasmic tissues b) Phloem tissues c) Simple tissues d) Xylem tissues
- 9- In case of low blood glucose concentration, negative feedback is
a) To avoid sweets b) To work out c) To rest d) Conversion of glycogen to glucose
- 10- Respiration results in _____
a) Release of oxygen b) Anabolism c) Release of carbon dioxide d) Transfer of carbon dioxide



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers of the following:

(10x2=20)

- 1- What was the objection on Lamarckism.
- 2- Differentiate between aerobic and anaerobic respiration.
- 3- How many types of reproduction are there?
- 4- What are Paracytic and Diacytic stomata.
- 5- Differentiate between cranial nerves and spinal nerves.
- 6- What are Tertiary Consumers or top consumers?
- 7- Define biogeochemical cycle.
- 8- Name two commonly used vectors in Genetic Engineering.
- 9- Describe the principal characteristics of environment.
- 10- Differentiate between deforestation and reforestation.

Answer the following questions.

(3x10=30)

Q. No. 3: What is evolution? Describe theory of natural selection of Darwin. (10)

Q. No. 4: What is respiration? Give its evolution. Also Describe different steps of glycolysis.(10)

Q. No. 5: What is a nervous system? Briefly describe the structure and function of Eye with the help of Diagram. (10)