

PHYSIOLOGY OF PLANTS, HUMANS AND ANIMALS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

Q1. In an anaerobic condition, yeast cells breakdown glucose to

- a) C_2H_5OH and CO_2
- b) CO_2 + Lactic acid
- c) CO_2 + H_2O
- d) CO_2 + Pyruvic acid

Q2. Match List-I with List-II and select the correct answer using the code given below the lists.

List-I (Types of Leucocytes)	List-II (Function)
A. Neutrophils	1. Heparin and histamine secretion
B. Basophils	2. Antibodies formation
C. Acidophils	3. Scavenger
D. Monocytes	4. Phagocytes
E. Lymphocytes	5. Antiallergic and healing of wounds

Select the correct answer using the codes given below the lists: A B C D E

- a) A – 3 ; B – 1 ; C – 4 ; D – 5 ; E – 2
- b) A – 3 ; B – 1 ; C – 5 ; D – 4 ; E – 2
- c) A – 1 ; B – 3 ; C – 5 ; D – 4 ; E – 2
- d) A – 3 ; B – 1 ; C – 4 ; D – 2 ; E – 5

Q3. The normal temperature of the human body is

- a) $98^\circ C$
- b) 367 K

- c) 37°C
 - d) None of these
-

Q4. Which of the following statement(s) is/are correct about the ground tissue system?

- i. All tissues except the epidermis and vascular bundles constitute the ground tissue.
- ii. It consists of the xylem and phloem.
- iii. In leaves, it consists of thin-walled chloroplast-containing cells called mesophyll.

- a) Both (i) and (iii)
- b) Only (i)
- c) Both (ii) and (iii)
- d) All of these

5000+ FREE GENERAL SCIENCE MCQ QUESTION BANK FOR ALL SSC, UPSC, BANK, RAILWAY EXAMS

[Free Practice MCQs »](#)

[Download More PDF »](#)

[Free Online Quiz »](#)

Q5. Which of the following plant is found to have minimum transpiration ?

- a) Hydrilla
 - b) Mango
 - c) Cactus
 - d) Guava
-

Q6. The ultimate gain of light reaction is

- a) NADPH₂
 - b) only ATP
 - c) ATP and NADPH₂
 - d) only O₂
-

Q7. Meristematic tissues are found in

- a) both roots and stems
 - b) only stems of the plants
 - c) in all growing tips of the plant body
 - d) only roots of the plants
-

Q8. Alternate type of phyllotaxy is found in

- a) mustard
 - b) china rose
 - c) sunflower
 - d) all of these
-

Q9. Consider the following statements :

- Food prepared by plant is transported to different parts of plant through phloem.
- Water and minerals in plants are transported through xylem.
- The cell wall of xylem cell is rich in lignin.

Which of the statements given above are correct?

- a) 1 and 3
 - b) 1 and 2
 - c) 2 and 3
 - d) 1, 2 and 3
-

Q10. Nucleated part of nerve cell is called

- a) dendrites
 - b) axon
 - c) cyton
 - d) None of the above
-

Q11. Two pigment system theory of photosynthesis was proposed by or Concept of evidence for existence of two photosystems in photosynthesis was given by

- a) Blackman
 - b) Emerson
 - c) Hill
 - d) Arnon
-

Q12. Study the following statements :

- Control room of the cell is Nucleus
- Nucleus was discovered by Robert Brown.
- Nuclear envelope is absent in bacteria.

Which of the statement(s) given above is/are correct about nucleus?

- a) 1 and 2
- b) 1 only
- c) 2 only
- d) 1, 2 and 3

1000+ FREE PHYSIOLOGY OF PLANTS, HUMANS AND ANIMALS BASED QUESTIONS AND ANSWERS FOR ALL COMPETITIVE EXAMS

[Free Practice MCQs »](#)

[Download More PDF »](#)

[Free Online Quiz »](#)

Q13. Which mineral nutrients are called critical element for crops?

- a) C, H, O
 - b) N, S, Mg
 - c) N, P, K
 - d) K, Ca, Fe
-

Q14. Match Column-I with Column-II and select the correct answer using the code given below the lists.

Column-I	Column-II
A. Isotonic	I. External solution is more concentrated
B. Hypotonic	II. Shrinkage of protoplasm
C. Hypertonic	III. Solution is more dilute than the cytoplasm
D. Plasmolysis	IV. Two solutions have the same osmolarity

Select the correct answer using the codes given below the lists: A B C D

a) A – IV; B – III; C – I; D – II

b) A – II; B – I; C – IV; D – III

c) A – III; B – I; C – IV; D – II

d) A – II; B – III; C – IV; D – I

Q15. Find the true statement:

a) Collenchyma is not a simple tissue.

b) Meristematic cells are not compactly arranged.

c) the term histology was coined by Meyer

d) None of these

[Read More biology Question and Answers »](#)

Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (b)

Q3. Answer: (c)

5000+ GENERAL SCIENCE MCQ TOPIC WISE MCQ QUESTION BANK WITH SOLVED ANSWERS & FREE PDF

MEASUREMENT AND SI UNITS MEASURING DEVICES AND SCALES

MECHANICS (MASS, FORCE, ACCELERATION, WORK, ENERGY, MOMENTUM, VELOCITY)

FORCE OF GRAVITY, SOLIDS AND FLUIDS MOTION UNDER GRAVITY

PHYSICAL PROPERTIES OF MATERIALS

LIGHT, HEAT, THERMODYNAMICS, WAVE MOTION, SOUND, OPTICS & OSCILLATIONS

ELECTRIC CURRENT AND MAGNETISM NUCLEAR PHYSICS AND CONDUCTIVITY

MODERN AND SPACE PHYSICS, SOURCES OF ENERGY

GENERAL CONCEPTS OF CHEMISTRY NATURE OF MATTER AND COMPOSITION

ATOMIC STRUCTURE MOLECULES AND NUCLEAR CHEMISTRY

CLASSIFICATION OF ELEMENTS, CHEMICAL BONDING, PERIODICITY IN PROPERTIES & PHYSICAL TRANSFORMATION

METALS, NON METALS, MINERALS, ORES, PROPERTIES, USES

ALLOYS, CARBON & ITS VARIOUS FORMS, HYDROGEN & COMPOUNDS, SULPHUR, NITROGEN, HALOGEN & INERT GASES

ACIDS, BASES, SALTS AND METALS

HYDROCARBON, ALCOHOL, POLYMER, ORGANIC ACID AND EXPLOSIVE SUBSTANCE

FUEL, FOOD PRESERVATION, NUTRITION, MEDICINE, DETERGENTS AND FERTILIZERS

INORGANIC CHEMISTRY ORGANIC CHEMISTRY ENVIRONMENTAL CHEMISTRY

SOME IMPORTANT MAN MADE MATERIALS SUB DIVISIONS OF BIOLOGY

GENETICS, EVOLUTION OF LIFE & ECOLOGICAL BIODIVERSITY TAXONOMY

HEREDITY BIOFERTILIZER

BIOLOGICAL CLASSIFICATION CELL TISSUES AND DIVISION HUMAN ANATOMY

BLOOD TRANSPORT SYSTEM DIGESTION AND EXCRETION PHOTOSYNTHESIS

VITAMINS, NUTRITION, HEALTH, DISEASE AND TREATMENT

ENDOCRINE GLANDS, HORMONES

PHYSIOLOGY OF PLANTS, HUMANS AND ANIMALS REPRODUCTION

FOOD PRODUCTION BIOLOGY IN HUMAN WELFARE

ECOLOGY AND ENVIRONMENT AWARENESS

GENETIC ENGINEERING AND BIO TECHNOLOGY

Q4. Answer: (a)

Q5. Answer: (c)

Cactus is a xerophytic plant and have sunken stomata to reduce the rate of transpiration, confined to lower epidermis.

Q6. Answer: (c)

The ultimate gain of light reaction is ATP & NADPH₂.

Q7. Answer: (c)

Q8. Answer: (d)

Q9. Answer: (d)

The food prepared by plant is transported through phloem, while water and minerals are transported through xylem whose cell wall is rich in lignin

Q10. Answer: (c)

Q11. Answer: (b)

The discovery of the Emerson effect stated that one group of pigments absorbs light of both shorter and longer wavelengths (more than 680 nm) and another group of pigments absorbs light on only shorter wavelengths (less than 680 nm).

These two groups of pigments are known as pigment systems or photosystems.

Q12. Answer: (d)

The nucleus is the control room of the cell as it contains the genome which gets expressed to give the phenotype.

The nucleus of the cell was discovered by Robert Brown in 1833. Bacteria are prokaryotes, they lack the nuclear envelope and their genetic material lies in the cell cytoplasm.

Q13. Answer: (c)

Q14. Answer: (a)

Q15. Answer: (c)

On our site **Careerions.com**, You can find all the content you need to prepare for any kind of exam like. **Verbal Reasoning, Non-Verbal Reasoning, Aptitude, English, Computer, History, Polity, Economy, Geography, General Science, General Awareness & So on.** Make use of our expert-curated content to get an edge over your competition and prepare for your exams effectively.

Practice with our **Free Practice MCQs, Mock Tests Series, Online Quiz** and get an idea of the real exam environment. Keep track of your progress with our detailed performance reports. They are perfect for competitive exam preparation, as well as for brushing up on basic & fundamental knowledge. The questions are updated regularly to keep up with the changing syllabuses.