

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

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Created By [Careericons](http://Careericons.com) Team

Q1. When ants bite, they inject

- a) Methanol
 - b) Formic acid
 - c) Glacial acetic acid
 - d) Stearic acid
-

Q2. Voluntary muscles are not found in

- alimentary canal
 - limbs
 - iris of the eye
 - bronchi of lungs
- a) 1, 3 and 4
 - b) 2 and 4
 - c) 1 and 2
 - d) All of these
-

Q3. Which of the following statement(s) about Mycoplasma is/ are correct ?

- They are also called PPLO.
- They are pleomorphic.
- They are sensitive to penicillin.
- They cause disease in plants.

Choose the correct option :

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

d) All of these

Q4. Which one of the following series represents the correct path of blood circulation?

- a) Left atrium, left ventricle, right atrium, right ventricle, lungs, body
- b) Right atrium, right ventricle, lungs, left atrium, body
- c) Left atrium, left ventricle, lungs, right atrium, right ventricle, body
- d) Right atrium, lungs, right ventricle, left atrium, body, left ventricle

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Q5. The involvement of which one of the following is essential in the control of blood sugar?

- a) Pancreas
- b) Adrenal
- c) Parathyroid
- d) Spleen

Q6. Match List-I with List-II and select the correct answer using the code given below the lists.

List-I	List-II
A. Agroforestry	1. Growing plant without soil in water containing nutrient 9
B. Hydroponics	2. Growing of tree with cultivation of crop in the same field
C. Pomology	3. Study of fruits
D. Palynology	4. Study of pollen grains

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

- a) 3 4 2 1

- b) 2 1 3 4
 - c) 1 3 4 2
 - d) 4 2 1 3
-

Q7. Various functions like photosynthesis, storage, excretion performed by _____.

- a) parenchyma
 - b) sclerenchyma
 - c) collenchyma
 - d) aerenchyma
-

Q8. Which of the following statements are **incorrect**?

- Aves are cold-blooded, egg-laying and have four-chambered hearts.
- Aves have feather-covered bodies, forelimbs are modified as wings and breathe through lungs.
- Most mammals are viviparous. 4. Fishes, amphibians and reptiles are oviparous.

Choose the correct option :

- a) 1 and 4
 - b) 1, 2 and 3
 - c) 1 and 3
 - d) All of these
-

Q9. Which one among the following is the hardest part of our body ?

- a) Thumb nails
 - b) Skull bones of head
 - c) Enamel of teeth
 - d) Spinal vertebra
-

Q10. Match Column-I with Column-II and select the correct answer using the code given below the lists.

Column-I	Column-II
A. Auxin	I. Fruit ripening
B. Cytokinins	II. Apical dominance
C. Abscisic acid	III. Antagonist to GAS
D. Ethylene	IV. Stomatal opening and closing
	V. Growth of lateral buds

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

a) A-II; B-IV; C-III, IV; D-I

b) A-IV; B-V; C-III; D-I

c) A-II; B-V; C-III, IV; D-I

d) A-III, IV; B-V; C-II; D-I

Q11. What was the most significant conclusion that Gregor Mendel drew from his experiment with pea plant?

a) Recessive genes occur more frequently in the F1 than do dominant ones.

b) There is considerable genetic variation in garden peas.

c) Traits are inherited in discrete units, and are not the results of "blending".

d) Genes are composed of DNA.

Q12. Pneumatic bones of birds

a) increase the CO_2 output

b) increase the heart beat rate

c) increase the respiratory rate

d) increase the buoyancy

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Q13. Which of the following statement(s) is/are true?

- Synapsis of homologous chromosomes takes place during prophase I of meiosis.
- Division of centromeres takes place during anaphase I of meiosis.
- Spindle fibres disappear completely in telophase of mitosis.
- Nucleoli reappear at telophase I of meiosis.

- a) 1 and 2
b) 3 only
c) 1 only
d) 1, 3 and 4

Q14. Nervous tissue is not found in

- a) spinal cord
b) brain
c) tendons
d) nerves

Q15. Bryophytes are photosynthetic but do not have vascular tissue and true roots. This feature enable them to resemble with which of the following?

- a) Pteridophytes
b) Fungi
c) Algae
d) Angiosperms

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (a)

Limbs contain muscles that can be voluntarily moved at will

Q3. Answer: (a)

Mycoplasma do not produce toxins against plants body cavity.

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Q4. Answer: (b)

Blood flows from right atrium to right ventricles and from here to lungs is called pulmonary circulation which precedes systemic circulation which carries deoxygenated blood from different tissues to right atrium.

Q5. Answer: (a)

Q6. Answer: (b)

Q7. Answer: (a)

Q8. Answer: (a)

Aves are warm-blooded, egg-laying and have a four-chambered heart. Amphibians and reptiles are oviparous but in super class Pisces, 2 classes Chondrichthyes and Osteichthyes are present where Chondrichthyes have internal fertilisation and many of them are viviparous and Osteichthyes are mostly oviparous and development is direct.

Q9. Answer: (c)

Q10. Answer: (c)

Q11. Answer: (c)

Gregor Mendel proposed that traits are transferred not as blended but in discrete units which be called "factors".

Q12. Answer: (d)

Pneumatic bones in birds help in increasing buoyancy which eventually help them in flying by decreasing bone density.

Q13. Answer: (d)

Division of centromeres takes place during Anaphase II of meiosis.

Q14. Answer: (c)

Q15. Answer: (c)

Like algae, bryophytes are nonvascular. True roots, leaves and stems are also missing.

This similarity has caused scientists to regard the bryophyte as an intermediary in the evolution from algae to land plants.

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