

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

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Created By [Careericons](#) Team

Q1. Identify parasite of the following.

- a) Cuscuta
 - b) Bladderwort
 - c) Pitcher plant
 - d) Sunflower
-

Q2. Main similarity between hormone and enzyme is

- a) both are proteins
 - b) both act at particular pH
 - c) both are required in small amounts
 - d) both can be used again and again
-

Q3. Cloves, used as a spice, are derived from which of the following plant parts?

- a) Fruits
 - b) Seeds
 - c) Flower buds
 - d) Young leaves
-

Q4. Child death may occur in the marriage between

- a) Rh^+ man and Rh^- woman
- b) Rh^+ man and Rh^+ woman
- c) Rh^- man and Rh^- woman

d) Rh⁻ man and Rh⁺ woman

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Q5. Cure to spinal injury is likely to emerge from

- a) stem cell therapy
- b) gene therapy
- c) xenograft
- d) transfusion

Q6. A patient is generally advised to specially, consume more meat, lentils, milk and eggs in diet only when he suffers from

- a) Kwashiorkor
- b) Scurvy
- c) Rickets
- d) Anaemia

Q7. The pH of blood is.

- a) Alkaline
- b) acidic
- c) Slightly alkaline
- d) None of the above

Q8. Which one of the following process releases a carbon dioxide molecule?

- a) Lactic acid fermentation
- b) Glycolysis

- c) Alcohol fermentation
 - d) Hydrolysis of glycogen
-

Q9. $\text{N}_2 + 8\text{e}^- + 8\text{H}^+ + 16 \text{ATP} \rightarrow 2\text{NH}_4 + \text{H}_2 + 16\text{ADP} + 16\text{Pi}$ The above equation refers to

- a) nitrification
 - b) nitrogen fixation
 - c) ammonification
 - d) denitrification
-

Q10. Which is true for the Autonomic nervous system?

- a) The parasympathetic nervous system always stimulates the organ system
 - b) The sympathetic nervous system always inhibits the organ system
 - c) The sympathetic nervous system always stimulates the organ system
 - d) It depends on the organ system whether the division stimulates or inhibits it
-

Q11. A tissue is a group of cells which are

- a) dissimilar in origin, form and function.
 - b) similar in origin, but dissimilar in form and function.
 - c) dissimilar in origin, but similar in form and function.
 - d) similar in origin, form and function.
-

Q12. Which one of the following glands produces insulin in human body?

- a) Pancreas
- b) Liver
- c) Spleen
- d) Pituitary

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Q13. Which is an atrocious animal?

- a) Whale
- b) Otter
- c) Penguin
- d) Tortoise

Q14. Cork is formed from

- a) vascular cambium
- b) phellogen
- c) phloem
- d) xylem

Q15. When oxygen is released as a result of photosynthesis, it is a by-product of which of the following?

- a) The electron transfer system of photosystem
- b) Splitting the water molecules
- c) Chemiosmosis
- d) None

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (c)

Q3. Answer: (c)

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Q4. Answer: (a)

Rh factor was discovered by Karl Landsteiner. A child of Rh^+ man will be Rh^+ whether the mother is Rh^+ or Rh^- .

If the mother is Rh^+ then there will be no problem but if the mother is Rh^- so when the blood of Rh^+ child (in the womb) mixes with the blood of Rh^- mother then some antibodies in the mother's blood are formed against Rh^+ factor which coagulates the womb blood causing death.

If birth takes place then there is a possibility of child death in the early years. This is known as erythroblastosis foetal. In most cases, the first pregnancy may succeed but after that, it fails.

Q5. Answer: (a)

Q6. Answer: (a)

A child may have a diet containing sufficient carbohydrates and fats but still suffers a serious form of malnutrition. This form of malnutrition is known as Kwashiorkor.

It develops in children whose diets are deficient in protein.

Q7. Answer: (c)

Q8. Answer: (c)

Q9. Answer: (b)

Q10. Answer: (d)

The sympathetic nervous system delays / inhibits function like salivation and digestion while parasympathetic nervous system stimulates these functions.

Q11. Answer: (d)

Q12. Answer: (a)

Q13. Answer: (a)

Q14. Answer: (b)

Q15. Answer: (b)

In the process of photosynthesis water is split(photolysis) to produce molecular oxygen.

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