

## Examrace

# Competitive Exams: Zoology MCQs (Practice\_Test 32 of 112)

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1. Which one among the following amino acids cannot participate in alpha-helical formation?
  - a. Histidine
  - b. Proline
  - c. Threonine
  - d. All the above
  
2. Which one of the following statements is correct? A restriction endonuclease can
  - a. cleave DNA strands within a nucleic acid chain without any restriction
  - b. recognize specific short sequences of DNA and cleave the duplex
  - c. cleave nucleotides from the ends of polynucleotide chain without any restriction
  - d. cleave nucleotides one at a time from the end of a polynucleotide chain from the 5 'or 3' end
  
3. Consider the following statements:
  - a. During elongation process of translation the charged t-RNA forms complex with the elongation factor.
  - b. Then the complex enters through the P site of the ribosome.
  - c. then gets attached with the anticodon of mRNA.

Which of the statements given above is/are correct?

- a. 1 only
  - b. 2 and 3 only
  - c. 1 and 4 only
  - d. 1, 2 and 3
- 
4. Colchicine arrests cell division during which one of the following phases of the cell cycle?
    - a. Gi-phase
    - b. 5-phase

- c. Early Prophase
  - d. Metaphase
5. Which one of the following is not required for PCR reaction?
- a. DNA template
  - b. Deoxy-nucleoside triphosphates
  - c. Ribonucleotides
  - d. Tag DNA Polymerase
6. Ecdysone is produced by which of the following?
- a. Neurosecretory cells
  - b. Protocerebrum
  - c. Prothoracic gland
  - d. Corpora allata
7. Hyaluronidase is produced by the spermatozoa of which one of the following?
- a. Molluscs
  - b. Birds
  - c. Echinoderms
  - d. Mammals
8. Which one of the following is correct? During spermatogenesis, Endoplasmic Reticulum (ER) is
- a. incorporated in the head of the sperm
  - b. incorporated in the middle piece of the sperm
  - c. incorporated in the tail of the sperm
  - d. discarded from the cell
9. Match List-I with List-II and select the correct answer using the code given below the lists:

List-I (Name of Sugar)	List-II (Composition)
A. Lactose	1. Glucose + glucose
B. Maltose	2. Glucose + galactose
C. Sucrose	3. Glucose + fructose

4. Fructose + galactose

A B C

a. 2 3 1

b. 2 1 3

c. 4 1 2

d. 4 2 3

10. Which one of the following groups represents only essential amino acids?

a. Alanine, glutamine, leucine, valine

b. Glycine, histidine, isoleucine, serine

c. Leucine, lysine, methionine, threonine

d. Proline, tyrosine, tryptophan, aspartic acid

11. Consider the following statements:

a. Pheromones are used to repel predators.

b. Mucus secreted by the snails acts as pheromone.

c. Certain steroid metabolites act as pheromones.

Which of the statements given above is/are correct?

a. 1 and 2 only

b. 1 and 3 only

c. 3 only

d. 1, 2 and 3

12. Consider the following

a. Vasopressin deficiency

b. Insulin deficiency

c. Vasopressin hypersecretion

Which of the above cause polyuria?

a. 1 only

b. 1 and 2

c. 3 only

d. 2 and 3

13. Which one of the following causes the calcium ion concentration in blood plasma to increase?

a. Cortisone

b. Testosterone

c. Insulin

d. Parathormone

14. Consider the following statements:

a. Aldosterone promotes the retention of sodium and the excretion of potassium by the kidney.

b. Aldosterone exerts anti-inflammatory effects.

Which of the statements given above is/are correct?

a. 1 only

b. 2 only

c. Both 1 and 2

d. Neither 1 nor 2

15. Consider the following:

a. Succinate

b. Succinyl CoA

c. NADH + H +

d. CO<sub>2</sub>

When a-Ketoglutarate dehydrogenase enzyme acts on a-Ketoglutarate, which of the above are produced?

a. 1 and 2 only

b. 1 and 3 only

c. 1, 3 and 4

d. 2, 3 and 4

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