

B.Sc. (Part-III), Semester-V
ZOOLOGY (Animal Physiology and Economic Zoology)
Multiple Choice Question Bank

Unit I: Respiration and Circulation

Multiple Choice Questions:

1. In human being, the right lung is divided into
a) 2 lobes b) **3 lobes**
c) 4 lobes d) 5 lobes
2. Cardiac cycle in man is completed within
a) 0.5 sec b) 1.0 sec
c) 0.4 sec d) **0.8 sec**
3. The chief respiratory organs in fish are
a) gills b) nostrils
c) integument d) lungs
4. Smallest functional unit of lung is
a) Bronchioles b) Capillaries
c) Alveolus d) Alveolar sac
5. In dilute state, the colour of chlorocruorin is
a) red b) green
c) Blue d) violet
6. The heart is enclosed in
a) pericardium b) endocardium
c) endodermis d) endometrium
7. plays important role in defence of body
a) Platelets b) Plasma
c) R.B.C. d) **W.B.C.**
8. Blood group B contains antibody
a) **A** b) B
c) AB d) No antibody
9. Heart beat is initiated by
a) AV node b) VA node
c) SA node d) CNS
10. Which metal ion is present in Haemocyanin.
a) Na⁺ b) Fe⁺⁺
c) Ca⁺⁺ d) Cu⁺⁺

Answers: Unit I

- 1) b. 3 lobes 2) d. 0.8 sec 3) a. gills 4) c. alveolus 5) b. green 6) a. pericardium 7) d.W.B.C.
8) a. A 9) c. SA node 10) d. Cu⁺⁺

Unit II: Muscle Physiology

Multiple Choice Questions:

1. Muscles that we can not control with conscious thought are called as
a) involuntary muscles b) voluntary muscles
c) striated muscles d) non-striated

5. During saltatory conduction, a nerve impulse jumps from oneto another.
 - a) Node of Ranvier
 - b) Axon
 - c) Myelin sheath
 - d) Synapse
6. Calcitonine is secreted bycells.
 - a) A cells
 - b) B cells
 - c) C cells**
 - d) None of the above
7. FSH is produced by
 - a) Thyroid gland
 - b) Pituitary gland
 - c) Pineal gland
 - d) Gonads
8. The gland having both exocrine and endocrine function is
 - a) Thyroid
 - b) Parathyroid
 - c) Pancreas**
 - d) Pituitary
9. The hormone thyroxin plays an important role in of amphibians.
 - a) fertilization
 - b) gastrulation
 - c) growth
 - d) metamorphosis
10. Hypothyroidism causes in an adult
 - a) Obesity
 - b) Myxoedema
 - c) Cretinism
 - d) Diabetes

Answers: Unit III

- 1) d. nerve cells 2) b. Schwann cells 3) c. Na⁺ and K⁺ 4) d. Neurotransmitter 5) a. Node of Ranvier 6) c. C cells 7) b. Pituitary gland 8) c. Pancreas 9) d. metamorphosis 10) b. Myxoedema

Unit IV: Reproductive physiology, Homeostasis and Conservative regulation

Multiple choice questions:

- 1) Estrous is called the period of.....
 - a) Hibernation
 - b) Heat
 - c) Aestivation
 - d) Rest
- 2) Corpus luteum secretes large quantity of
 - a) Estrogen
 - b) Prolactin
 - c) Progesterone
 - d) Oxytocin
- 3) type of placenta is observed in cattle.
 - a) Cotyledonary
 - b) Zonary
 - c) Diffused
 - d) Discoidal
- 4) Birds are
 - a) Aminotelic
 - b) Ureotelic
 - c) Ammonotelic
 - d) Uricotelic
- 5) Dogs maintain their body temperature by the process called as
 - a) Panting
 - b) Sweating
 - c) Basking
 - d) None of the above
- 6) Which of the following is not a function of the placenta?
 - a) Nutrient transfer
 - b) Urine formation
 - c) Respiration
 - d) Waste elimination
- 7) Eel is an example of
 - a) Catadromous fish
 - b) Stenohaline fish
 - c) Anadromous fish
 - d) Euryhaline fish

- 8) All are homeotherms except
- | | |
|-----------|-----------------|
| a) Rabbit | b) Snake |
| c) Bird | d) Man |
- 9) Central thermal receptors are located in
- | | |
|------------------------|-----------|
| a) Skin | b) Spleen |
| c) Hypothalamus | d) Liver |
- 10) Nature of urine is regulated by
- | | |
|---------------|---------|
| a) STH | b) ACTH |
| c) FSH | d) ADH |

Answers: Unit IV

- 1) b. Heat 2) c. Progesterone 3) a. Cotyledonary 4) d. Uricotelic 5) a. Panting
6) b. Urine formation 7) a. Catadromous fish 8) b. Snake 9) c. Hypothalamus 10) d. ADH

Unit V: Agricultural Zoology: Economic Importance of Insects

Multiple Choice Questions:

- are efficient in keeping the number of rodents in check.

a) Wasps	b) Rats
c) Snakes	d) fishes
- Larva of is commonly known as 'Aphid lion'

a) Green lacewing	b) Damsel bug
c) Soldier beetle	d) Syrphid fly
- Pink Bollworm is the pest of

a) Jowar	b) Sugar cane
c) Cotton	d) Bajra
- Rock bee is common name of

a) <i>Apis indica</i>	b) <i>Apis florea</i>
c) <i>Apis milifera</i>	d) <i>Apis dorsata</i>
- Which silk worm species produces Muga silk?

a) <i>Bombyx mori</i>	b) <i>Antherae aassama</i>
c) <i>Antherae amylitta</i>	d) <i>Antherae paphia</i>
- The disease mainly transmitted by rats is.....

a) Rheumatoid	b) bubonic plague
c) Filariasis	d) dum dum fever
- The process of killing pupa inside the cocoon is called

a) stifling	b) reeling
c) rearing	d) spinning
- Trichogramma is commonly known as

a) <i>stingless moth</i>	b) stingless fly
c) stingless bug	d) stingless wasp
- Rearing of which of these insects is known as Apiculture ?

a) Butterflies	b) Bees
c) Beetles	d) Silk worm
- Zoological name of Red flour beetle is

a) <i>Sitophilus oryzae</i>	b) <i>Sitotroga cerealella</i>
c) <i>Tribolium castaneum</i>	d) <i>Trogoderma granarium</i>

Answers: Unit V

- 1) c. Snakes 2) a. Green lacewing 3) c. Cotton 4) d. *Apis dorsata* 5) b. *Antheraea aassama*
6) b. bubonic plague 7) a. stifling 8) d. stingless wasp 9) b. Bees 10) c. *Tribolium castaneum*

Unit VI: Aquaculture

Multiple Choice Questions:

- Which one of the below is not a fresh water edible fish?
a) *Catla catla* b) *Cirrhina mrigla*
c) *Labeo rohita* d) *Hilsa*
- Which is the modern drug used in fish breeding?
a) Ovaprim b) ORF
c) HCT d) Dopamine
- Which one is bottom feeder fish?
a) Mrigal b) *Catla*
c) Silver Carp d) None of the above
- If more than single species of fish is cultured at a time, then it is called as.....
a) Monoculture b) Aquaculture
c) Polyculture d) Pisciculture
- Rohu is a common name of
a) *Catla catla* b) *Cirrhina mrigla*
c) *Labeo rohita* d) *Channa punctatus*
- Fish having scales on the body are called as.....
a) *Exotic* b) *Cyprinids*
c) *Silurids* d) None of the above
- What is the full form of CIFE ?
a) Central Inland Fisheries Education b) Central Indian Fisheries Education
c) Central Institute of Fisheries Education d) Council of Indian Fisheries Economy
- The sperms of fishes are also called as.....
a) Salt b) Milk
c) Milt d) None of the above
- Forceful breeding of fish is known as.....
a) Inoculation b) Induced breeding
c) Hypophysation d) Copulation
- Which one is not a fish product?
a) Fish wax b) Fish leather
c) Fish manure d) Fish liver oil

Answers: Unit VI

- 1) d. *Hilsa* 2) a. Ovaprim 3) a. Mrigal 4) c. Polyculture 5) c. *Labeo rohita* 6) b. *Cyprinids*
7) c. Central Institute of Fisheries Education 8) c. Milt 9) b. Induced breeding 10) a. Fish wax



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