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SUBJECT CODE NO:- 2094
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y Sem-IV
Examination March/April-2022 (To be held in June/July-2022)
Zoology Paper- XI
Animal Physiology
(Special Emphasis on Mammals)

[Time: 1:53 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
- 1) Attempt all questions
 - 2) All questions carry equal marks.
 - 3) illustrate your answer with suitable labeled diagram.
- Q.1 Give a detailed account on Buccal digestion & intestinal digestion. 20
- OR
- Describe in detail transport of gases. 20
- Q.2 Give in detail account on Role of sex hormones in reproduction. 20
- OR
- Write short notes on (any four) 20
- a) Urine formation
 - b) Neurotransmitters
 - c) Smooth muscles
 - d) Structure of nerve cells
 - e) Simple twitch
 - f) T.S. of testes
- Q.3 Multiple choice question. 10
- 1) Complete digestion of food occurs in -----
 - a) Stomach
 - b) Small intestine
 - c) Pancreas
 - d) Large Intestine
 - 2) Air that left in the lung after forced expiration is:
 - a) Residual volume
 - b) Tidal volume
 - c) Vital capacity
 - d) Reserve volume
 - 3) The valve present between left auricle & left ventricle is:
 - a) Bicuspid valve
 - b) Tricuspid valve
 - c) Semilunar valve
 - d) None of above

- 4) The life span of the erythrocytes in man is:
a) 80 days b) 120 days c) 150 days d) 180 days
- 5) What is the basic structure & functional unit of the nervous system?
a) Neuroglia b) Glial cells c) Meurons d) Perikaryon
- 6) Secretion of para sympathetic nerve ending is:
a) Acetylcholine b) Adrenaline
c) Mono amino oxide d) Hydroxytrepto amine
- 7) The space where axon comes in functional contact with dendrites:
a) Bridge b) Meuromotor junction
c) Synapse d) Motor nerve
- 8) -----is a quick response to the stimuli that passes the brain
a) Rafterxaction b) Voluntary action
c) Kner jerk d) Receptors
- 9) Name the hormone which is at peak during ovulation
a) Pragesteron b) Estrogen
c) FSH d) LH
- 10) Medulla contains
a) Convoluted tubules b) Collecting tubules
c) Conducting tubules d) Both A & B