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SUBJECT CODE NO:- 6031
FACULTY OF SCIENCE & TECHNOLOGY
M.Sc. Sem-II Zoology (Old)
Examination March/April-2022 (To be held in June/July-2022)
General Animal Physiology-411

[Time: 3:45 Hours]

[Max. Marks:80]

N.B

Please check whether you have got the right question paper.

1. Section A is compulsory.
2. Attempt any five Questions from Section 'B'
3. Draw neat diagram wherever necessary.

PART - A

Q.1 Attempt Multiple Choice questions.

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- 1) Heart beats in vertebrate is
 - a) Myogenic b) Neurogenic c) Both a and b d) None
- 2) Muscular wall is absent in
 - a) Venule b) Vein c) Capillary d) Arteriole
- 3) Sites of gaseous exchange in lungs are
 - a) Tracheoles b) Alveoli c) Bronchioles d) Pulmonary chamber
- 4) Blood protein involved in blood coagulation
 - a) Fibrinogen b) Prothrombin c) Thrombin d) Fibrin
- 5) Human beings have how many cranial nerves
 - a) 5 pairs b) 10 pairs c) 12 pairs d) 20 pairs
- 6) Which of the following is not nitrogenous waste
 - a) Creatine b) Guanine c) Vric acid d) Carbon dioxide
- 7) Maximum food absorption take place in
 - a) Ileum b) Colon c) Rectum d) Stomach
- 8) Vitamin essential for the manufacture of erythrocytes.
 - a) K b) Salivary gland c) A d) D
- 9) A muscular wall is absent in

a) Vein b) Venule c) Arteriole d) Capillary

10) Oxygen dissociation curve of hemoglobin is

a) Sigmoid b) Hyperbolic c) linear d) Hyperbolic

PART -B

- Q.2 Give an account of the gastrointestinal hormones. 12
- Q.3 Describe the mechanism of respiration. 12
- Q.4 What is neuron? Explain neurotransmission 12
- Q.5 Describe mechanism of urine formation. 12
- Q.6 Describe Bohr effect. 12
- Q.7 Describe the internal structure of heart 12
- Q.8 Explain structure and function of nephron. 12