

**SSR DEGREE COLLEGE (Autonomous)**  
**PAPER-2 ANIMAL PHYSIOLOGY**  
**SEMESTER-II,**  
**INTERNAL- I**  
**QUESTION BANK**

- 1) Open type of circulation found in [a]  
a) Arthropods                      b) Helminthes                      c) Annelida                      d) None
- 2) Annelids exhibit which type of circulation [a]  
a) Close type                      b) Open type                      c) a & b                      d) None
- 3) Amphibians have how many chambered heart [d]  
a) 4                      b) 6                      c) 5                      d) 3
- 4) Duration of cardiac cycle [c]  
a) 9 sec                      b) 1 min                      c) 0.8 sec                      d) 5 sec
- 5) Hemoglobin is [a]  
a) Respiratory pigment                      b) Excretory                      c) Digestive                      d) None
- 6) Normal blood pressure [b]  
a) 60/20                      b) 120/80                      c) 10/80                      d) 130/60
- 7) Anticoagulants are [d]  
a) Warfarin                      b) Citrates                      c) Heparin                      d) a & c
- 8) Blood clotting factors are [b]  
a) 8                      b) 12                      c) 4                      d) 6
- 9) Myogenic heart is made up of [b]  
a) Nerves                      b) Muscles                      c) Tissues                      d) None
- 10) Hypoxia means [a]  
a) Low amount O<sub>2</sub>                      b) Low amount of CO<sub>2</sub>  
c) High amount CO<sub>2</sub>                      d) High amount of CO<sub>2</sub>
- 11) Which of the following is not a type of muscle tissue found in animals? [d]  
a) Skeletal muscle    b) Cardiac muscle    c) Smooth muscle    d) Adipose tissue
- 12) What is the main function of the kidneys in animals? [c]  
a) Regulation of blood pressure                      b) Regulation of blood sugar level  
c) Regulation of electrolyte balance                      d) Regulation of body temperature
- 13) Reabsorption of water via the DCT is by which of the following? [c]  
a) Renin    b) Aldosterone    c) Vasopressin    d) Glucocorticoid
- 14) Osmoregulators carry out excretion through [a]  
a) Gills                      b) Fins                      c) Scales                      d) Bladder
- 15) Which of the following is not a ruminant animal? [c]  
a) Cow    b) Buffalo    c) Dog    d) Goat
- 16) What is false at high altitude? [d]  
a) Partial pressure of oxygen is lower    b) total pressure is lower

- c) Partial pressure of CO<sub>2</sub> is lower      d) pressure of gas molecules that are oxygen is lower.
- 17) Which of the following is not a process of urine formation? [d]  
 a) Glomerular filtration   b) Reabsorption   c) Secretion   d) Excretion
- 18) Aestivation is typically observed in animals during which condition? [c]  
 a) Extreme cold temperatures   b) High altitudes   c) Hot and dry conditions   d) None
- 19) In ruminants which compartment is responsible for fermentation of plant material? [c]  
 a) Stomach   b) Cecum   c) Rumen   d) Small intestine
- 20) The closure of AV valves occurs during? [b]  
 a) Atrial systole   b) ventricular systole   c) ventricular diastole   d) Atrial diastole

## II. Fill in the Blanks.

- 1) Mammals have **four** Chambered heart.
- 2) Size of the heart **size as your fist**
- 3) Arteries carry **oxygenated blood.**
- 4) Normal heart beats **60-100** /minutes.
- 5) Neurogenic heart is made up of **nerves.**
- 6) ECG stands for **electrocardiogram.**
- 7) Closed type of circulation found in **vertebrates.**
- 8) Intra cerebral hematoma means **bleeding within the brain.**
- 9) Hemoglobin has **four** Polypeptide chains.
- 10) Hypercapnea is presence of excess **CO<sub>2</sub>.**
- 11) Oxygen toxicity is otherwise called as **oxygen poisoning.**
- 12) GFR means **glomerular filtration rate.**
- 13) Adenine and guanine are **purines.**
- 14) The **kidney** is the organ responsible for filtering waste products from the blood.
- 15) **Nephron** is the structural and functional unit of kidney.
- 16) Process by which food is broken down into simpler substances is **digestion.**
- 17) primary site for gas exchange is **alveoli.**
- 18) **Smooth muscle** is responsible for movement of food in digestive tract.
- 19) **Actin and myosin** are the proteins found in muscle fibers.
- 20) **Hemoglobin** is responsible for transport of oxygen.

## III. Answer the following questions.

- 1) Cardiac cycle.

**2) Name the blood clotting factors?**

3.oxygen toxicity?

4.osmoregulation.

5.ruminant digestion.