

Subject: Biology

T. Marks: 25

Class: 10th

Time Allowed: 40 min

SECTION: A

(15x1=15)

Note: Attempt any 15 parts. Each part carries equal marks. Attempt Section “A” on answer sheet. Cutting/ overwriting/ deleting are not allowed.

Q # 1 Select the correct option.

1. Where does the gaseous exchange occur in humans?
A. Pharynx B. Trachea C. Bronchi D. Alveoli
2. What type of blood vessels surrounds the alveoli?
A. Artery B. Arteriole C. Capillary D. Vein
3. Living organism (humans, animals) need energy in the form of _____ for their life activities.
A. Oxygen B. Glucose C. ATP D. Carbon dioxide
4. The human urinary system consists of;
A. Rectum, lungs, kidneys, ureters C. Kidney, ureters, urinary bladder
B. Skin, liver, lungs, kidneys D. Kidneys, ureters, urinary bladders, urethra
5. ‘Body balance’ of water, salts, temperature and glucose is termed as;
A. Excretion B. Mucular secretion C. Homeostasis D. Re-absorption
6. In haemodialysis, patient’s blood is pumped through an apparatus called _____.
A. Peritoneal cavity B. Dialyzer C. Dialysis fluid D. Peritonium
7. Which organ is responsible for filtering the blood?
A. Intestine B. Brain C. Stomach D. Kidney
8. What is the percentage of urea in urine (chemical composition)?
A. 95% B. 1.87 g/l C. 9.3 g/l D. 0.750g/l
9. The _____ is non-tubular part of nephron.
A. Renal tubule B. Renal corpuscle C. Papillary ducts D. Loop of henle
10. The bacteria which cause pneumonia is _____.
A. Salmonella typhae B. S. Pneumoniae C. Staphylococcus aureus D. E. coli
11. How many bronchi are there in air passage way?
A. One B. Two C. Many D. None
12. Most of the gaseous exchange in a leaf occurs through;
A. Stomata B. General surface C. Cuticle D. Lenticles
13. The primary chemical stimulus for breathing is the concentration of;
A. CO₂ in blood B. O₂ in blood C. CO₂ in muscles D. O₂ in muscles
14. The loss of water from plant surface in the form of vapors, ____