

Name: _____	Subject: Biology	Class: 11 th	Time: 60 minutes	Total Marks:	30
Chapter No.14	MJDexpert.com			Obtained marks	

Objective-Section

Q. 1 You have four choices for each objective type question as A, B, C, and D. The choice which you think is correct. (10x1=10)

1. Cerebral infection is also known as:
 - a. Stroke b. Heart attack c. Hemorrhage d. Hypertension
2. The condition causing narrowing and hardening of arteries is called:
 - a. Atherosclerosis b. Necrosis c. Sclerosis d. Apoptosis
3. The exchange of food material takes place through:
 - a. Capillary b. Vein c. Artery d. Heart
4. The pairs of lateral hearts in earthworm are:
 - a. 4 or 5 b. 5 or 6 c. 6 or 7 d. 7 or 8
5. Temperature causing closure of stomata:
 - a. 30-40°C b. 40-45°C c. 25-35°C d. 30-35°C
6. Which of the following is not true for guard cells?
 - a. Present in epidermis b. Bean-like c. Lack chloroplast d. Kidney-shaped
7. Blood provides immunity by:
 - a. Leukocytes b. Platelets c. RBC d. Lymphocytes
8. The mutual holding of water molecules to form a solid chain-like column in xylem is due to bonds:
 - a. Ionic b. Hydrogen c. Covalent d. Ester
9. Basophils produce a substance that inhibits blood clotting:
 - a. Heparin b. Platelets c. Fibrinogen d. Eosinophil
10. Of the total volume of leaf air spaces may comprise:
 - a. 40% b. 20% c. 10% d. 30%

Subjective-Section

Q. 2 Answer the following short questions: (6x2=12)

1. Define imbibition. Who worked on it?
2. What factors are responsible for bleeding in plants?
3. Give two important chemicals produced by basophils. What functions do they perform?
4. Give the location of the bicuspid and tricuspid valves in the human heart.
5. Where is the human heart located in the body? Name the layers that surround the heart.
6. Differentiate between B and T lymphocytes.

Q. 3 Answer the following long questions: (4+4=8)

- (a) Describe the two hypotheses to explain the opening and closing of stomata.
- (b) How do CO₂ concentration and humidity affect the rate of transpiration?