

E - 10

DISTRICT COMMON EXAMINATION BOARD - E.G.D. KAKINADA REVISION TEST - I - 2018 - 2019

GENERAL SCIENCE - Paper - II

(Biological Science)

(English Medium)

Class : X]

(Max. Marks : 20)

[Time : 1 Hr.

Syllabus : 1. Nutrition 2. Respiration 3. Transportation

EVS : 1 to 6 topics.

SECTION - I

Note : 1) Answer the following questions.

2) Each question carries 1 mark.

2 x 1 = 2

1. What is meant peristaltic movement ?
2. Which blood vessels have valves ? How are valves useful ?

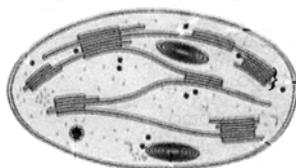
SECTION - II

Note : 1) Answer the following questions.

2) Each question carries 2 Marks.

3 x 2 = 6

3. What is root pressure ? How does it help the plants ?
4. If you have a chance to meet pulmonologist what questions are you going to ask about pulmonary respiration ?



5. Identify the above diagramme ? What is the function of the diagram.

SECTION - III

Note : 1) Answer the following questions.

2) Each question has an internal choice.

2 x 4 = 8

6. a) Distinguish between aerobic and anaerobic respiration.

(Or)

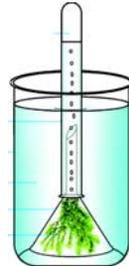
[Turn Over

- b) Read the following table and fill the table using the clues/options given in the first column.

S.No.	Structure/Function	Artery	Vein
1.	Thickness of walls (thick/thin)		
2.	Valves (present/absent)		
3.	Capacity to retain shape when blood is absent (can retain/collapse)		
4.	Direction of blood flow (heart to organs/body organs to heart)		
5.	Pressure in the vessel (low/high)		
6.	Type of blood transported (oxygenated/deoxygenated)		
7.	Type of blood carried by pulmonary Artery (de oxygenated/ oxygenated)		
8.	Type of blood carried by pulmonary vein (oxygenated/deoxygenated)		

7. a) You have conducted this experiment in your classroom. Now answer the following questions.

- What do you prove by conducting this experiment ?
- What apparatus are used in the experiment ?
- Which plant is used in the experiment ?
- Which gas is released in the experiment ?



(Or)

- b) Draw a neat labelled diagram of "Human respiratory system".

SECTION - IV

Note : 1) Choose the correct answer and write the letter in the brackets.

8 x ½ = 4

2) Each question carries ½ mark.

1. Which gas is released in the refrigerators []
- A) Carbon Dioxide B) Hydrogen
- C) Chlorofluro carbons D) Nitrogen

[Contd... 3rd

