

**GREENLAWNS HIGH SCHOOL  
PRELIMINARY EXAMINATION 2021**

**CLASS-10**

**PRACTICAL EXAM**

**SUBJECT-BIOLOGY**

**MARKS-20**

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**Question 1**

**Observe the demonstration 'A' and answer the question that follow: [5]**

- a. Identify and define the process in the above demonstration.
- b. What was the initial and the final colour of the solution?
- c. What happened to the potassium permanganate crystals when they were added to water?  
What happened to its molecules?
- d. What can you conclude from the experiment?

**Question 2**

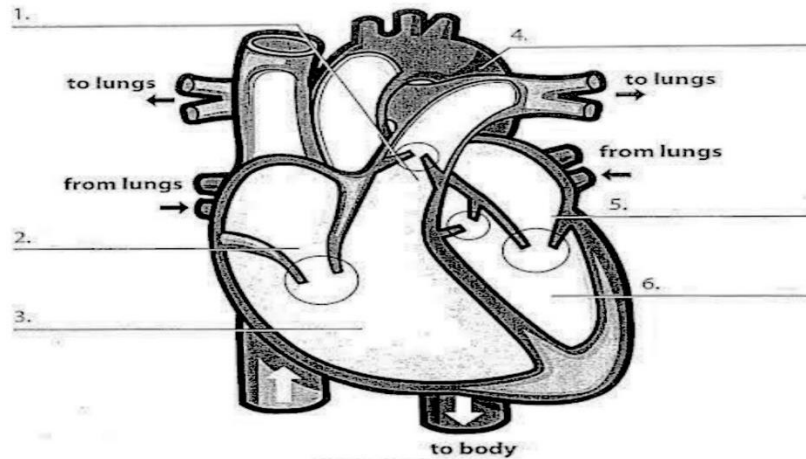
**Observe the experimental set up 'B' carefully and answer the questions that follow: [5]**

- a) What is the aim of the experiment?
- b) Why was the potted plant kept in darkness for 72 hours?
- c) In the above experimental set up the green leaf with black paper was boiled in water after keeping it in sunlight. Why?
- d) The boiled leaf is again boiled in alcohol in a water bath. What colour change do you observe and why?
- e) In the above experimental set up the leaf on the right hand side is partially blue in colour. Adding which solution will bring about this change? Why does the middle portion of this leaf show no colour change?

### Question 3

Study the 'Model Q' given below and answers the question that follow:

[5]



1. Label parts 2, 3, 5 and 6.
2. Which vessels carry deoxygenated blood from the above organ to the lungs and oxygenated blood from the lungs to the above organ?
3. Name the arteries that supply blood to the muscles of the above organ.

### Question 4

Study the 'set-up P' given below and answer the questions that follow:

[5]

1. What is the aim of the experiment?
2. What will you observe in bell jar A , bell jar B and bell jar C after a few hours?
3. Which is the control set up and why?