

Revision Test – 1
General Science Paper – II
Biological Sciences

I. Answer the following:

12 x 1/2 = 6

1. Write the missing part from the following flow chart.



2. In which reactions do assimilatory power is used in photosynthesis?
3. Pick the odd one out.
Ptyalin Pepsin glucose amylase trypsin
4. Carbon dioxide : lime water :: _____ : iodine
5. Expand RuBP
6. Identify mismatched pair

Tracheal respiration	cockroach
Branchial respiration	Fish
Cutaneous respiration	Man

7. Pericardium : Heart :: _____ : Lungs
8. Which of the following statement is correct?
a. Obesity is due to over eating and high calorie intake.
b. Marasmus is caused due to protein deficiency in diet.
9. The digestive juice without enzyme is
a) Bile b) Gastric juice c) Pancreatic juice d) saliva
10. I am flexible flattened muscular and helps lungs in moving air in to and out of them.
Who am I?
11. Which protein in the blood responsible for binding of oxygen?
12. Photosynthesis takes place in the chloroplast and respiration takes place in the _____ of the cells.

II. Answer the following:

3 x 1 = 3

13. Why do we get muscle cramps during vigorous exercise?
14. What is the role of epiglottis in respiration?

15. How do you appreciate the role of HCl in the gastric juice?

III. Answer the following:

2 x 2 = 4

16. study the table and answer the following

Vitamin	Deficiency disease	Symptoms
Thiamine	Beri beri	Vomitings, fits, loss of appetite, difficulty in breathing and paralysis
Ascorbic acid	Scurvy	Delay in healing of wounds and fractured bones.

1. Which vitamin deficiency results in delayed wound healing?

2. What are the symptoms of beri beri?

17. If you meet a Pulmonologist, what questions do you ask to know about care during covid pandemic?

IV. Answer the following:

3 x 4 = 12

18. Explain the process of light reactions in photosynthesis.

Or

Gaseous exchange takes place in alveoli. Explain how alveoli is designed for the function.

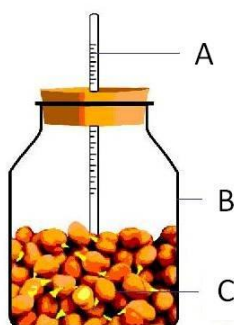
19. Write the differences between photosynthesis and respiration.

Or

What are the power houses of the cell? Explain its structure with the help of diagram.

20. What are the requirements for the experiment to prove that carbon dioxide is essential for photosynthesis? Write the procedure of the experiment.

Or



1. What is the aim of the experiment?

2. What are the material required for the experiment?

3. What is the end point of the experiment?

4. What happens to the result if the bulb of thermometer do not touch the seeds?