

SHARDAYATAN SCIENCE SCHOOL

STANDARD- 12 BIOLOGY

4MARKS QUESTION

1) Explain the process of respiration which occurs in the cytoplasm matrix of cells.

Or

Glycolysis phase with chart.

2) Describe ifermentation and its types.

3) Explain the respiratory process taking place in mitochondrial matrix.

Or

Describe the process occurred in cytoplasmic matrix of mitochondria. (chart is required)

Or

Explain citric acid cycle.

Or

Explain Kreb's cycle with diagram.

Or

Explain TCA cycle.

4) Explain the stages of respiration taking place in the cristae of mitochondria.

Or

Explain Electron Transport System. (ETS)

5) Why respiratory pathways is called amphibolic pathway? Explain in detail.

6) Write a note on blood corpuscles.

7) Explain different types of blood group and donor compatibility making a table.

- 8) Give the chart of all factors involved in blood clotting,
- 9) Describe the human internal structure of heart.
- 10) Describe the external structure of human heart.

Or

Make the diagram of external structure of heart and label it.

- 11) Explain double circulation in human and also write a note of ECG.
- 12) Explain the process of blood clotting with steps.
- 13) Give a brief outline of the experiment conducted by Mendel.
- 14) Complete the chart made by Bridges on the Genetic Balance theory.
- 15) Briefly explain the structural abnormalities in chromosome.
- 16) Write note on how environment effect the determination of sex?
- 17) Write note on Spermatogenesis stages.
- 18) Briefly explain the stages of Oogenesis.
- 19) Explain embryonic development in human.
- 20) Explain the changes occur during fetus development.
- 21) Write note on Oogenesis.
- 22) On the basis of external and internal structure differentiate the man and woman.
- 23) Write a note on parturition.
- 24) Briefly describe the stages of menstrual cycle?
- 25) Explain male reproductive system with help of diagram.
- 26) Briefly describe the fertilization and implantation in human.
- 27) Explain female reproductive system.

