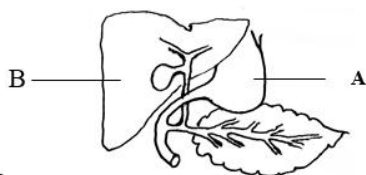


Subject: Biology 2<sup>nd</sup> paper

Write down the all five (5) stems as given below:

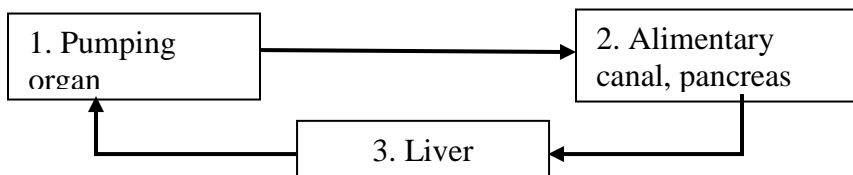
1. There are many digestive glands in human body. Among these one is called organic laboratory and another one is called mixed gland.
  - a) What is gluconeogenesis? 1
  - b) Why BMI-30 is harmful for human body? 2
  - c) Explain the structure of first gland in stem. 3
  - d) Analyze the 2<sup>nd</sup> gland is very essential part for human body. 4

2.



- a) What is Emulsification? 1
- b) Write down the dental formula of child and adult person. 2
- c) Explain the digestion process in "A" part of stem. 3
- d) Analyze the "B" gland is very essential part for human body. 4

3.



- a) What is Angina? 1
- b) Why angioplasty is easier method for coronary blockage treatment? 2
- c) Draw the labelled diagram of longitudinal section of 1<sup>st</sup> organ in stem. 3
- d) 'The mentioned blood circulatory system in stem is a unique circulatory system'. Evaluate it. 4

4. Teacher said to student we have an air sac organ in thoracic cavity. He also said there is a respiratory pigment in blood which plays an important role for respiration.

- a) What is Chloride shift? 1
- b) Why otitis media harmful for ear? 2
- c) Explain the structure of functional unit of mentioned organ in stem. 3
- d) Why the pigment plays an important role in human body according to stem? Evaluate with logic. 4

5. Doctor advised Rahim to take plenty amount of water, when the volume of his urine lessen for few days.

- a) What is oligurea? 1
- b) What is meant by hemodialysis? 2
- c) How the problematic organ of Rahim works? Explain. 3
- d) A hormone also plays vital role to solve Rahim's problem-analyze. 4