**Second question: (1 hour, 24 marks)**

**A- Explain the following: (15 marks)**

1. Increasing lung diffusing capacity after acclimatization to low po2.
2. Acclimatization of the natives at high altitudes begins in infancy.
3. Helium is usually used in the gas mixture instead of nitrogen in deep dives.

**B- Compare between the followings: (5 marks)**

1. Acute and chronic mountain sickness.
2. Oxygen and carbon dioxide toxicity at high pressure.

**C- Write short notes on brain in starvation? (4 marks)**