



Benha University
Faculty of Science
Department of Zoology

General Zoology 2 (105 Z)

Semester: Second

Date: 30/5/2017

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Level: first level

Sepe: Zoology

Exam time: 0:30 min

Group (A): (30 min, 24 marks)

1. Complete each of the following: (9 marks)

- The bile is secreted from **the liver** and stored in **the gall bladder**.
- The pulmonary arch transfers **non-oxygenated blood** to **the lung**.
- Respiration can be distinguished into **external respiration**, **transport of gases by blood** and **internal respiration**.
- The central nervous system consists of **the brain** and **spinal cord**.

2. Mention only five functions for each of the following: (15 marks)

a) Proteins.

- Proteins are important in building up processes.
- Hormones and enzymes are proteins.
- Proteins balance water contents of the body.
- Antibodies are formed of proteins.
- Plasma proteins and haemoglobin act as acid-base balance of blood.

b) Liver

- Production of bile.
- Production of uric acid.
- Accumulation of iron.
- Reservoir of blood.
- Production of fibrinogen.

c) Lymphatic system.

- It returns the excess fluids to blood.
- Lymph glands filtrate the foreign particles from the lymph.
- Lymphocytes are formed in lymph glands.
- Destruction of microbes and strange bodies.
- Erythrocytes are formed in spleen in infants.