

# Assignment Copy Topics 2019 – 2020

## Semester 2<sup>nd</sup>

Paper: CC4

### Cellular system

- a) How much cells die in a day?
- b) State the role of plasma membrane?
- c) Write the difference between prokaryotic and eukaryotic cell?
- d) Write the function of nucleus?

(1+3+4+2=10)

### Digestive system

- a) State the digestion of carbohydrate with enzyme.
- b) Write the function of stomach.
- c) State histological structure of stomach with proper diagram .

(5+2+3=10)

### Reproductive system

- a) Briefly describe the process of spermatogenesis.
- b) Write the structure of testis.
- c) What is the ledig cell?

(5+3+2=10)

### Nervous system

- a) Define neurotransmitter.
- b) Write the function of sympathetic and parasympathetic nervous system.
- c) Draw and write the structure of neurone.

[2+(2+2)+4=10]

### Respiratory system

- a) Define : Lung volume and Lung capacity.
- b) Write the mechanism of CO<sub>2</sub> transport.

(5+5=10)

### Endocrine system

- a) What are the hormones released from the thyroid gland?
- b) Write the functions of thyroid gland.
- c) Write deficiency Symptoms of thyroid hormones.

(2+5+3=10)

### Cardiovascular and Circulatory system

- a) Define : Cardiac output.
- b) What do you mean by PCV and Hct ?
- c) Write the difference between intrinsic pathway and extrinsic pathway.

(2+2+2+4=10)

### Skin

- a) what is skin?
- b) Write the functions of thermal regulation in skin.
- c) Why does sebaceous gland is very important?
- d) Write name of five layers in our epidermis.

(2+3+3+2=10)

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### Excretory system

- a) How much blood is filtered in kidney per day?
- b) State the process of filtration in glomerulus.
- c) Distinguish between passive transport and active transport.

(1+5+4=10)

### Immune system

- a) Definition of immunity and its classification.
- b) How monocyte changed in macrophages?
- c) What is vaccine?

[(2+3)+4+1=10]