

(b) Explain the role of liver during digestion.

(c) What is chylomicron?

(d) Why pancreas is called mixed gland?

5+2+1+2

2018

2nd Semester

NUTRITION

PAPER—C4T

(Honours)

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group—A

1. Answer any *five* of the following : 5×2

(a) Write the name of the cellular organelles one for lipid bio-synthesis and other for ATP production.

(b) Write the name of the disease that results low level of haemoglobin and lethargy.

- (c) What is dead space?
- (d) Why does glucose ingestion through oral route provide immediate energy?
- (e) Which is the part of the brain affected drastically by alcohol intake?
- (f) Mention the phases of ventricular part of cardiac cycle with time.
- (g) Write the function of sebaceous gland.
- (h) Write the role of spleen on immunomodulation.

Group—B

Answer any *four* of the following : 4×5

2. Write the difference between autocrine and paracrine gland? Explain the mechanism of protein hormone action in cellular level. Write the function of oxytocin.

2+2+1

3. Write the role of haemoglobin in our body. 5
4. Write the role of insulin on blood glucose level. 5
5. State the differences between upper and lower motor neurone paralysis? 5
6. Discuss in brief about the major events of fertilization.
7. Describe the digestion of protein in duodenum. 5

Group—C

Answer any *one* of the following : 1×10

8. (a) What do you mean by ultrafiltration?
(b) Write the major process involved in urine formation. 3+7
9. (a) Describe the histological arrangement of gastrointestinal duct in general with suitable diagram.