

(4)

7. Write short notes on the following : 7½

efrecveeueeKele hej me#ehle eStheCeer eueKell:

(a) Digestion of carbohydrates

keäyeemeF [Šthe keäe heeUeve

(b) Buffering systems in humans

cevešJeeW/cell/yečej levše

(c) Absorption of fats

Jemee keäe DeJelMeeseCe

Unit-IV/FkeäF-IV

8. What are micronutrients? Discuss the significance of micronutrients for humans. 7½

me#ce heeskeä lelJe keälee n? cevešJeeW/cell/me#ce heeskeä lelJeeW/keä
cenIJe keäer eJeešvee keäj W

9. Write short notes on the following : 7½

efrecveeueeKele hej me#ehle eStheCeer eueKell:

(a) A, B and Z- DNA

S, yeer SJeš peš - [er.Šve.S.

(b) Water soluble vitamins

peue legvešMeue ešeečevme

(c) Vitamin A

ešeečeve S

A

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B.Sc. (Part-I) Examination, 2015

HOME SCIENCE

(Group-I)

Paper-II

(Nutritional Biochemistry)

Time Allowed : Three Hours] [Maximum Marks : 50

Note : Question No.1 is compulsory. Attempt one question from each unit. Total five questions have to be answered.

ševve meš 1 DešveJeešW šelUkeä FkeäF & mešŠkeä ševve keäepŠ-
keäue heešle ševvešMeä Göej oves nš

1. Answer the following questions in brief :

2×10=20

efrecveeueeKele ševvešMeä Göej me#eš celWoešpešes:

(a) What are glycoproteins?

iueeFkeäššerme keälee nešeer nš

(b) Write important functions of lipids.

eueše [the keä celKÜe keäšše eueKeb

(c) Differentiate between starch and glycogen.

mššee ŠJeb iueeFkeäšpeve celWellešes keäj W

(d) Draw the structure of lactose.

ueššeme keäer mešJeeveš yeešS-

(2)

(e) Differentiate between essential and non essential amino acids.

DeefreJeeUe&SJeB iajj DeefreJeeUe&DeceereWDecue ceWdeYeW keaj W

(f) Define diffusion process.

mellerve DeefeeUee keaes heej Yeeefele keaj W

(g) Differentiate between LDL and HDL.

Sue. [er.Sue. SJeB SÙe. [er.Sue. ceWdeYeW keaj W

(h) Write the importance of Vitamin K.

elSeefeeve K keae cenIJe eueKellW

(i) Write the importance of Vitamin D.

elSeefeeve D keae cenIJe eueKellW

(j) Define enzyme activity and specific activity.

Speefce SekaeelSeer SJeB eueUe° SekaeelSeer heej Yeeefele keaj W

Unit-I / FkaeF-I

2. Describe the classification of carbohydrates. Describe the biological significance of heteropolysaccharides. 7 1/2

kaeyeeerneF [Sme kea JeieekaejCe keaer JÙeeKÙee ke j W
miej ebeueemekeaj eF [the kea penleka cenIJe keaer JÙeeKÙee keaj W

3. Write short notes on following : 7 1/2

elrecveeUeeKele hej me#ehle eShheCeer eueKellW:

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(3)

(a) Saponification

mebeevreekeaj Ce

(b) Glycolipids

iueeF keaesUeehe [the

(c) Iodine value

DeeUeeFere Dekeá

Unit-II / FkaeF-II

4. What is enzyme inhibition? Describe types of enzyme inhibition reaction. 7 1/2

Speefce Delej eUee keeUe nW Speefce Delej eUee DeefveeUeeDeelKea
Dekeaj eUeeKÙee keaj W

5. Write short notes on following : 7 1/2

elrecveeUeeKele hej me#ehle eShheCeer eueKellW:

(a) Secondary structure of proteins.

DeeSere keaer eE leelkeá mej Ueeve

(b) Membrane transport

eUeeUee Šmeheesi

(c) Isoenzymes

DeefmeeSvpeefce

Unit-III / FkaeF-III

6. Discuss the digestion and absorption of proteins in human body. 7 1/2

ceveUeeUeeUeeSere kea heeUee SJeB DejelmeeseCe keae JeCete keaj W

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P.T.O.