

18.11.19/12

SUB.CODE: 18PBC3C10

REG.NO:

--	--	--	--	--	--	--	--	--	--

Section – C

Answer any three Questions

(3x10=30)

- 16.Enumerate about Diabetes mellitus
- 17.Elaborate about inherited disorder of sulphur containing aminoacids
- 18.Discuss about liver function test
- 19.Describe the serum enzymes in heart disease
- 20.Write in detail about carcinogenic agents



**DHANALAKSHMI SRINIVASAN COLLEGE OF
ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**



(For Candidates admitted from 2018-2019 onwards)

P.G DEGREE EXAMINATIONS, NOVEMBER – 2019

Time : 3 hrs

Max. Marks: 75

M.Sc., Biochemistry

Clinical Biochemistry

Section– A

Choose the Correct Answer

(10 X 1 = 10)

1. Brown adipose tissue is characterized by the following
 - a) Present in large quantities in adult humans
 - b) Mitochondrial content higher than white adipose tissue
 - c) Oxidation and phosphorylation are tightly coupled
 - d) Absent in hibernating animals
2. Ketosis is due to
 - a) Over production of glucose
 - b) Under production of glucose
 - c) Increased carbohydrate utilization
 - d) Increased fat utilization

3. Homocystinuria is an inherited disorder characterized by
- Ectopia lentis
 - Frequent renal stones
 - Aortic aneurysm
 - Mental retardation
4. The probable metabolic defect in gout is
- A defect in excretion of uric acid by kidney
 - An overproduction of pyrimidines
 - An overproduction of uric acid
 - An underproduction of purines
5. Jaundice is clinically detected in sclera when serum bilirubin concentration reaches above
- 0.5 to 1 mg/100ml
 - 1 to 2 mg/100ml
 - 2 to 3 mg/100ml
 - 3 to 4 mg/100ml
6. All the following are associated with Zollinger-Ellison syndrome except
- Peptic ulcer
 - Interstitial thyroid cell adenoma
 - Gastric hypersecretion
 - Diarrhoea
7. Excretion of PSP primarily reflects
- Maximal tubular excretory capacity
 - Kuffer cell activity
 - Liver function
 - Glomerular filtration rate
8. The slow moving fraction of LDH is typically increased in patients with
- cerebrovascular accidents
 - Acute myocardial infarction
 - Acute viral hepatitis
 - Acute pancreatitis

9. The term cancer means
- Cell division
 - Out of control
 - Lobster
 - Crab
10. Apoptosis refers to
- Genetically cell death
 - Metamorphosis in *C. elegans*
 - Limb regeneration of invertebrates
 - Formation of imaginal disc in *Drosophila*

Section – B

Answer all The Questions (5X7=35)

- 11.a) Explain about glycogen storage disease

(OR)

- b) Write in detail about fatty liver

12. a) Describe about phenylketonuria

(OR)

- b) Give short note on Hartnup disease

13. a) Write about Insulin stimulation test

(OR)

- b) Discuss about Jaundice

14. a) Explain about urea clearance test

(OR)

- b) Write about serum enzymes in bone diseases

- 15.a) Difference between benign and non-benign tumour

(OR)

- b) Discuss about the activation of proto-oncogene