REV-01 BMLT/08/12

Duration: 3 hrs.

a. free PSA

a. . dves

c. Both a and b

a. <200 ng/ml

c. >400 ng/ml

Adulterants in milk and curd

c. water and starch powder

What can be the AFP Level for the diagnostic of HCC.

BACHELOR OF MEDICAL LABORATORY TECHNOLOGY SIXTH SEMESTER

CHNOLOGY SE'

2024/07

Full Marks: 70

BIOCHEMISTRY VI BMLT – 603 [SPECIAL REPEAT] [USE OMR SHEET FOR OBJECTIVE PART]

Objective) Marks: 20 Time: 30 min. 1×20=20 Choose the correct answer from the following: 1. Which hormone mostly affects sleep a. Thyroid hormone b. Growth hormone c. Insulin d. Glucagon 2. Cushing's syndrome is due to b. ADH a. ACTH d. TSH c. MSH 3. Which hormones responsible for fight or flight response b. Glucagon a. Insulin c. Epinephrine d. Cytosol Which adrenergic receptor causes vasoconstriction. a. ai b. B1 c. B2 d. a_2 The half-life of insulin receptors. b. 4-12 hours a. 6-12 hours c. 4-8 hours d. 6-8 hours 6. The gene, namely ____causes B-cell lymphoma by preventing programmed cell death. a. bcl-2. b. bcl-3. e. bcl-1. d. bcl-4. 7. Tumor marker for oncofetal antigens is b. AFP a. CEA c. CA-125 d. All of the above. 8. The PSA protein can exist in the blood by itself is known as

b. bound or complexed PSA

d. None

b. uread. oil

b. >300 ng/ml

d. <100 ng/ml

1.	Glucagon	is a no	olypontido	hormone secreted by

1.	beta	b.	gamma
	alpha	d	delta

- 12. Adding substances like water, starch, or other cheap ingredients to dilute the original
 - a. Substitution

b. Dilution

c. Contamination

d. None of the above

13. is a type of adulteration involving intentional misrepresentation of the food product

15. One measurement exceeds 4 standard deviations either above or below the mean of the

- a. Physical adulteration
- b. Fraudulent adulteration
- c. Chemical adulteration
- d. Nutritional adulteration
- 14. Insulin is a protein secreted by
 - a. beta
- b. gamma

c. alpha

- d. delta
- reference range
- a. 1_{2s}

- b. 1_{4s}
- c. 1_{3s} d. 1_{1s} 16. One measurement exceeds 2 standard deviations either above or below the mean of the
 - reference range a. 1_{2s}
 - c. 1_{3s}

- b. 1_{4s}d. 1_{1s}
- 17. How to create L-J Chart?
 - a. Mean

b. Standard deviation

c. Both a and b

- d. None
- 18. L-J CHART is named after S. LEVEY & E.R. JENNINGS in
 - a. 1950
 - e. 1952

- d. 1956
- 19. A substance of constant composition of sufficient purity to be used for comparison purpose.
 - a. Precision

b. Accuracy

c. Standard

- d. Control
- **20.**indicates how close test measurements to each other when the same test is run on the same sample repeatedly.
 - a. Precision

b. Accuracy

e. Standard

d. Control

-- --- --

2

USTM/COE/R-01

$\left(\underline{\text{Descriptive}}\right)$

Time: 2 hrs. 30 min. Marks: 50

[Answer question no.1 & any four (4) from the rest]

1.	Explain the sex hormones in details.	10
2.	Define hormones and its classification in details. Write the biochemical functions and regulation of thyroid hormone	5+5=10
3.	Describe the hormones of adrenal cortex.	5+5=10
4.	Write short notes on Epinephrine and Insulin.	5+5=10
5.	Define tumor and tumor markers. Discuss the types of tumors. Explain the classification of tumor markers.	10
6.	What are Adulterants. Write the purpose of food adulteration. Discuss its needs and methods. Explain the types and effects of food adulteration.	5+5=10
7.	Quality Control must be practical, achievable & affordable. Elaborate it.	10
8.	Explain about L-J CHART [LEVEY JENNINGS] AND WESTGARD RULES.	3+3+4 =10

== ***==