# Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - General Biochemistry Course Code - BMLT202

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Answer all the questions. Each question carry one mark.

9. 1. Which of the following is the general formula of Carbohydrates?

- (C4H2O)n
- (C6H2O)n
- (CH20)n
- C2H2O)n COOH

10. 2. Name the major storage form of carbohydrates in animals?

Mark only one oval.

Glycogen Cellulose Starch

11. 3. Which of the following are the major functions of Carbohydrates?

Mark only one oval.

Storage

- Structural framework
- Transport Materials
- Both Storage and structural framework
- 12. 4. Which of the following monosaccharides is the majority found in the human body?

Mark only one oval.

D-type

\_\_\_\_ L-Туре

- LD-types
- None of the above

13. 5. Name the pathway for glucose synthesis by non-carbohydrate precursors

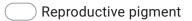
Mark only one oval.

Glycogenesis

- Gluconeogenesis
- Glycogenolysis
- Others
- 14. 6. Which class of carbohydrates is considered as non-sugar?

Mark only one oval.

- Monosaccharides
- Polysaccharides
- Disaccharides
- Oligosaccharides
- 15. 7. Hemoglobin is a



- Carbohydrate
- Fat
- Respiratory pigment

16. 8. Name the major storage form of carbohydrates in animals

Mark only one oval.

Cellulose
Glycogen
Chitin
Starch

17. 9. Which of the following polysaccharide employed for the assessment of kidney function

Mark only one oval.

$\square$	Albumin
$\square$	Glycogen
$\square$	Keratan sulphate
$\square$	Inulin

18. 10. Hyaluronic acid is an example of

Mark only one oval.

Disaccharide

Oligosaccharide

Hetropolysaccharide

Glycoprotein

19. 11. Sucrose is a made up of two moiety

Mark only one oval.

- Glucose and Galactose
- Glucose and Fructose
- Lactose and Fructose
- None of the above
- 20. 12. Name a glycosidic antibiotic

Mark only one oval.

- Streptomycin
- Azithromycin
- Penicillin
- Glucovanillin
- 21. 13. Ribose and deoxyribose differ in structure around a single care namely,

Mark only one oval.



\_\_\_\_\_C4

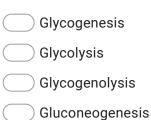
## 22. 14. What is the site for gluconeogenesis majorly

Mark only one oval.



23. 15. Name the pathway for glucose synthesis by non-carbohydrate precursors:

Mark only one oval.



24. 16. Which of the following are major sites for glycogen storage

Mark only one oval.



Bones

- Muscle and liver
- Kidney and liver

25. 17. Name the hormone which is secreted in an emergency or in stress condition

Mark only one oval.

Insulin

- Epinephrine
- Glucagon
- 🔵 Melanin
- 26. 18. Sorbitol and Mannitol are:

Mark only one oval.



- Enomers
- Epimers
- Steroisomers
- 27. 19. In Benedict test we can differentiate:

- Glucose and Maltose
- Glucose and Sucrose
- Fructose and Glucose
- None of these

28. 20. Chitin consists of:

Mark only one oval.

N-acetyl muramic acid

- N-acetyl glucosamine
- 🔵 D-glucose unit
- N-acetyl muramic acid and N-acetyl glucosamine
- 29. 21. In polysaccharide, monosaccharide are joined by:

Mark only one oval.

- Peptide bond
- Glucose bond
- Glycosidic bond
- Covalent bond
- 30. 22. Which is not a homopolysaccharide

- Starch
- Heparin
- Glycogen
- Cellulose

### 31. 23. Choose a sugar abundantly present in honey:

Mark only one oval.

Maltose
Fructose
Ribulose
Sucrose

32. 24. Seliwanoff's test is used for the identification of:

## Mark only one oval.

- Glucose and Fructose
- Glucose and Lactose
- Glucose and Maltose
- None of the above
- 33. 25. Glucagon helps to accelerate:

- Glycogenolysis
- Glycogenesis
- Neoglucogenesis
- None of the above

34. 26. Lactulose is disaccharide comprised of:

Mark only one oval.

- Glucose & Galactose
- Galactose & Fructose
- Sucrose & Fructose
- Fructose and Maltose
- 35. 27. Artificial sweetener is:

Mark only one oval.

- Sucralose
- Lactulose
- Cellobiose
- 🔵 Hyaluronic acid
- 36. 28. Storage protein includes:

Mark only one oval.

Glutelin

📃 Albumin

- Immunoglobulins
- None of these

37. 29. Which of the following amino sugar are present in the bacterial cell wall

Mark only one oval.

- N-acetylmuramic acid
- Aminoglycoside
- Azide
- Sialic acid
- 38. 30. Which of these amino acids are essential for infants?

Mark only one oval.

- Methionine
   Arginine and Histidine
   Valine
- Lysine and Leucine
- 39. 31. The following non-protein amino acid:

- Ornithine
- Proline
- Histidine
- 🔵 Lysin

40. 32. Protein is Polymer of:

Mark only one oval.

Peptides

- Amino acids
- Carbohydrates
- Fatty acids
- 41. 33. Name of a imino acid:

Mark only one oval.

- \_\_\_\_\_ Histidine
- Tryptophan
- Tyrosine
- Proline
- 42. 34. Which of the following is fibrous amino acid:

- Collagen
- Tyrosine
- Pepsin

## 43. 35. What is the nature of an enzyme?

Mark only one oval.

Vitamin
Lipid
Carbohydrate
Protein

44. 36. Name the enzyme secreted by pancreas

Mark only one oval.

)	Pepsin	
	I CPOIII	

- Chymotrypin
- \_\_\_\_\_ Trypsin
- Alcohol dehydrogenase
- 45. 37. Mark the CORRECT function of enzyme, Peptidase

- Cleave phosphodiester bond
- Cleave amide bonds
- Remove phosphate from a substrate
- Removal of H2O

#### 46. 38. What is an apoenzyme?

Mark only one oval.

- It is a protein portion of an enzyme active conjugated enzyme
- 📃 lt is a non-protein group
- lt is a complete, biologically
- It is a prosthetic group
- 47. 39. Hydrolases: catalyze the \_\_\_\_ of various bonds

Mark only one oval.

- Oxidation
- Hydrolysis
- Isomerization
- None of the above
- 48. 40. Deficiency of which vitamin causes Beri-Beri?

- Vitamin B12
- Vitamin B2
- Vitamin B6
- 🔵 Vitamin B1

## 49. 41. Megaloblastic anemia is caused due to deficiency of \_\_\_\_\_\_.

Mark only one oval.

$\square$	) Cobalamin
$\square$	) Pyridoxine
$\square$	Niacin
$\square$	) Folic acid

50. 42. Name the vitamin which functions as hormone as well as visual pigment?

Mark only one oval.

- Thiamine
  Riboflavin
  Retinol
  Folic acid
- 51. 43. Which of the following vitamin serves as a hormone precursor?

Mark only one oval.

Vitamin C Vitamin A Vitamin K

🕖 Vitamin D

52. 44. Name the structure analog of vitamin K, which is used as antagonist?

Mark only one oval.

Warfarin Τocopherol Ergocalciferol β-carotene

53. 45. The first person to discover vitamin

Mark only one oval.

\_\_\_\_ Jennar \_\_\_\_ Funk \_\_\_\_ Mallanby

Calvin

54. 46. Chemical messengers secreted by ductless glands are called\_\_\_\_\_

Mark only one oval.

Lymph Platelets Plasma Hormones

## 55. 47. Which of the following is NOT an endocrine gland?

Mark only one oval.

Hypothalamus

Pituitary

Parathyroid

Sweat glands.

## 56. 48. Mark the one, which is NOT the precursor of the hormone?

Mark only one oval.

- Amino acids
- Cholesterol
- Phospholipids
- Proteins
- 57. 49. Sex hormone is a\_\_\_\_\_

- Water soluble hormone
- Fat soluble hormone
- Protein hormone
- None of the above

#### 58. 50. Name the gland, which releases Neurohormone

Mark only one oval.

$\square$	Hypothalamus
$\square$	) Pituitary
$\square$	) Thyroid
$\square$	) Pancreas

59. 51. Name the energy source of the brain during starvation?

Mark only one oval.

$\bigcirc$	Fat
$\bigcirc$	Ketone bodies
$\bigcirc$	Protein
$\bigcirc$	Lipid

60. 52. Lipoprotein core contain

Mark only one oval.

Triglyceride

Phopholipid

All of these

61. 53. A nucleotide is composed of

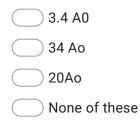
Mark only one oval.

🔵 A base+sugar

- A base+a sugar+Phosphate
- 📃 A base+a phosphate
- None of these
- 62. 54. DNA is the genetic material in

Mark only one oval.

- Viruses
- Prokaryotes & Eukaryotes
- Only in Eukaryotes
- All of the above
- 63. 55. The length of one turn of DNA is



64. 56. Z-DNA have a

Mark only one oval.

Double helical structure

- Zig-Zag appearence
- 🕖 Uracil base
- Single strand nature
- 65. 57. Watson & Crick discover the DNA, They called it is:

## Mark only one oval.

- Helical & Double stranded
- Double-helix
- Twisted-ladder
- Double stranded
- 66. 58. HDLs are synthesized in

Mark only one oval.

Blood

Liver

- Intestine
- Pancreas

67. 59. Cholesterol is the precursor of

Mark only one oval.

Steroid hormones

🕖 Vitamin A

- \_\_\_\_ Bile salts
- Both Steroid hormones and Bile salts
- 68. 60. Synthesis of fatty acid takes place when

Mark only one oval.

- fatty acid are plentiful
- Carbohydrate is plentiful
- carbohydrate and energy are plentiful
- none of these

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