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

Course Name - Human Anatomy and Physiology Course Code - BMLT201

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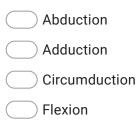
Answer all the questions. Each question carry one mark.

9. 1. Which plane splits the body into lateral halves

- Coronal Sagittal
- Transverse
- Frontal

10. 2. If movement away from the medial plane occurs frontaly is called

Mark only one oval.



11. 3. If rotation of hand takes place; bring thumb towards midline; plam facing back transversially

Mark only one oval.

- Pronation
- Supination
- Adduction
- Abduction
- 12. 4. Name the tissues that are involved in the formation of tissue membranes.

- Epithelial tissue
- Connective tissue
- 🔵 Nervous tissue
- Muscular tissue

13. 5. Which of the following does not belong to the class of covering and lining epithelium?

Mark only one oval.

- Simple squamous epithelium
- Simple columnar
- Glandular epithelium
- Simple cuboidal
- 14. 6. Which of the following does not come under the category of loose connective tissue?

# Mark only one oval.

Areolar tissue

- Reticular connective tissue
- Elastic connective tissue
- Adipose tissue
- 15. 7. Vital stain is used to detect the following cell:

- 📃 Reticular cell
- 📃 Plasma cell
- Macrophage cell
- Mast cells

16. 8. Which of the following structure is not covered by epithelial tissue :-

Mark only one oval.

Skin

- Digestive gland
- Blood vessels
- 🔵 Cartilage
- 17. 9. Which type of epithelium is present in the inner lining of large bronchi :-

Mark only one oval.

- Squamous epithelium
- Pseudo stratified epithelium
- Cuboidal epithelium
- Columnar epithelium
- 18. 10. Matrix of bone is composed of protein called

Mark only one oval.

Myosin

- Ossein
- 🔵 Elastin
- Actin

19. 11. Out of the following, which is a major secretory layer of the GI tract?

Mark only one oval.

Mucosa
 Submucosa
 Muscularis
 Serosa

20. 12. Which of the following is NOT the salivary protein?

Mark only one oval.

$\square$	) Lysozyme
$\square$	Mucus
$\square$	) Phosphatase
$\square$	Amylase

21. 13. Part of bile juice useful in digestion is \_\_\_\_\_

Mark only one oval.

Bile pigments

📃 Bile salts

Bile matrix

Bile solution

## 22. 14. Fat absorption takes place in

Mark only one oval.

Liver Ileum Small Intestine

Jejunam

23. 15. Which of the following digestive juices has the minimum pH value?

Mark only one oval.

- Oral cavity
  Oesophagus
- Stomach
- 📃 lleum
- 24. 16. Salivary Alpha Amylase breaks

- Hydrolyzes alpha 1:4 glycosydic linkage
- Beta 1:6 glycosydic linkage
- alpha 1:6 glycosydic linkage
- \_\_\_\_ peptide bonds

## 25. 17. Trypsin is activated by

Mark only one oval.

CI
HCI
Enteropeptidase
Pepsin

## 26. 18. Elastase acts on

Mark only one oval.

carboxyl sides of aromatic amino acids

carboxyl sides of aliphatic amino acids

carboxyl sides of neutral amino acids

carboxyl sides of basic amino acids

# 27. 19. Carboxypeptidase B acts on

- Cleaves bonds near the carboxy terminal sides of basic amino acids
- cleave peptide bonds adjacent to aromatic amino acids
- bonds mid portion of peptide
- carboxyl sides of neutral amino acids

### 28. 20. Endopeptidase breaks

Mark only one oval.

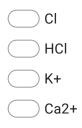
- C cleaves bonds near the carboxy terminal sides of basic amino acids
- cleave peptide bonds on carboxyl side of aromatic amino acids
- carboxyl sides of basic amino acids
- bonds mid portion of peptide

### 29. 21. Activator of colipase is

Mark only one oval.



- Pepsin
- 30. 22.. Pepsin is activated by



31. 23. Trypsin breaks

Mark only one oval.

- cleave peptide bonds on carboxyl side of aromatic amino acids
- cleaves bonds near the carboxy terminal sides of basic amino acids
- bonds mid portion of peptide
- peptide bonds on carboxyl side of basic amino acids
- 32. 24. Pulmonary ventilation movements are due to

Mark only one oval.

- 🔵 Diaphragm
- Wall of lungs
- Costal muscles and diaphragm
- Costal muscles
- 33. 25. Hypoxia occurs due to

- Rise in level of CO2
- Fall in level of CO2
- Rise in level of O2
- Fall in level of O2

34. 26. The muscles take part in rapid breathing-

Mark only one oval.

- Muscles of rib cage
- Muscles of neck region and abdominal region
- Thoracic and abdominal muscles
- Muscles of neck region and thoracic region.
- 35. 27. This disease is due to allergens

Mark only one oval.

- \_\_\_\_ Emphysema
- Bronchitis
- 🔵 Pneumonia
- 🔵 Asthma
- 36. 28. The outermost layer of the skin is called?

- Stratum lucidum
- Stratum cornium
- 🔵 Stratum germi
- 📃 Stratum spinosum

#### 37. 29. Hair are not present in following areas except:

Mark only one oval.

Palm

- Sole
- Dorsal surface of distal phalanges
- Dorsal surface of middle phalanges
- 38. 30. Which one of the following pair of organs includes only the endocrine glands?

Mark only one oval.

- Thymus and testes
- Adrenal and ovary
- Pancreas and parathyroid
- Adrenal and parathyroid
- 39. 31. Toxic agents present in food which interfere with thyroxine synthesis lead to the development of \_\_\_\_\_

- Toxic goitre
- Cretinism
- Simple goitre
- Thyrotoxicosis

40. 32. All of the following are hormones of the anterior pituitary except:

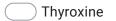
Mark only one oval.

Human growth hormone (GH)

- Follicle-stimulating hormone (FSH)
- Parathyroid hormone(PTH)
- Thyroid-stimulating hormone (TSH)
- 41. 33. Which of the following hormones are responsible for the "fight-or-flight" response?

Mark only one oval.

- Epinephrine and norepinephrine
- Insulin and glucagon
- Esrtogen and progesterone
- Thyroxin and melatonin
- 42. 34. Which hormone increases blood calcium level?



- Thyrocalcitonin
- PTH
- Parathyrooid

43. 35. Which disease occurs due to less secretion of mineralocorticoids?

Mark only one oval.

Addison's disease
 Cretinism
 Myxodema
 Cushing diseases

44. 36. Which hormone regulate 24-hr rhythm of our body?

Mark only one oval.

$\bigcirc$	Somatotropic
$\bigcirc$	LTH
$\bigcirc$	Melatonin
$\bigcirc$	T4 and T3

45. 37. Mark the mismatch pair:

- Henle's loop concentration of urine
- DCT Absorption of glucose
- PCT Absorption of sodium and potassium ions
- Bowman's capsule Glomerular filtration

46. 38. Glomerular filtration rate would be increased by :

Mark only one oval.

- constriction of the afferent arteriole
- \_\_\_\_\_ a decrease in afferent arteriolar pressure
- compression of the renal capsule
- a decrease in the concentration of plasma protein
- 47. 39. When a person is dehydrated, hypotonic fluid will be found in the:

Mark only one oval.

- 🔵 glomerular filtrate
- proximal tubule
- 🔵 loop of Henle
- \_\_\_\_ distal convoluted tubule
- 48. 40. The effect of antidiuretic hormone (ADH) on the kidney is to :

- increase the permeability of the distal nephron to water.
- increase the excretion of Na+



- increase the excretion of water
- increase the diameter of the renal artery .

49. 41. Glucose reabosorption occurs due to

Mark only one oval.

- Proximal tubule, cotransport
- Distal tubule, passive transport
- Proximal tubule, osmosis
- Distal tubule, active transport
- 50. 42. The normal value of GFR is-

Mark only one oval.

- 180 ml/Day
- 125 ml/min
- 100 ml/min
- 51. 43. Excretion of dilute urine requires

- \_\_\_\_\_ relative permeability of the distal tubule to water
- the presence of ADH
  - impermeability of the collecting tubule to water
- In absence of ADH

### 52. 44. One of the following organs does not have sinusoids

Mark only one oval.

$\bigcirc$	Parotid gland
$\bigcirc$	Spleen
$\bigcirc$	Liver
$\bigcirc$	Bone marrow

53. 45. Which is the thickest layer in the arteries?

Mark only one oval.

- 🔵 Tunica intima
- 🔵 Tunica media
- 🔵 Tunica adventitia
- All layers of equal thickness
- 54. 46. Thymus has following features except:

- Lies in superior and anterior mediastinum
- T- lymphocytes are cytotoxic, helper and memory cells.
- Secretes thymosin
- Filters blood to get rid of antigens.

## 55. 47. QRS wave in ECG represents

Mark only one oval.

Auricular systole

End of ventricular systole

ventricular diastole

- ventricular systole
- 56. 48. Which cell Play an important role in allergic reaction by

Mark only one oval.

- Neutrophils
   Monocytes
   Lymphocytes
- Basophils
- 57. 49. The first bone to start ossifying is

Mark only one oval.

Mandible

🔅 🗌 🗌 🗌 🗌

Clavicle

Humerus

58. 50. Synovial membrane lines or encloses all structures except

Mark only one oval.

Articular cartilage

Inner aspect of the capsule

Intracapsular tendons

- Intracapsular parts of the articulating bones
- 59. 51. The following muscle is NOT responsible for hip flexion:

Mark only one oval.

- iliopsoas pectineus
- \_\_\_\_\_ sartorius
- 🔵 vastus lateralis
- 60. 52. Joint of femur with pelvic girdle is

Mark only one oval.

Ball and socket

Pivot

- Saddle
- 🔵 Hinge

61. 53. Mention the name of the joint present between epiphysis and diaphysis

Mark only one oval.

fibrous

Frimary cartilaginous
Secondary cartilaginous
Synovial

62. 54. Human Cranium has \_\_\_\_\_ bones?

Mark only one oval.



63. 55. Name of the tongue bone is \_\_\_\_\_

- Frontal bone
- Zygomatic bone
- Hyoid bone
- Mandible

64. 56. Choose the correct vertebral formula of vertebral column of human being.

Mark only one oval.

C7 Th13 L4 S5 Co4
C7 Th12 L5 S5 Co4
C7 Th12 L5 S5 Co1
C7 Th13 L5 S5 Co4

65. 57. Longest ligament around the hip joint is

Mark only one oval.

|--|

- Ischiofemoral
- Ligamentous teres
- Pubofemoral
- 66. 58. Which is not a fibrous joint?

Mark only one oval.

\_\_\_\_\_ sutures

Gomphosis

- 🔵 Xiphisternal
- 📃 Inferior tibiofibular

67. 59. By which bone half part of the pectoral girdle is made?

Mark only one oval.

Clavicle Scapula Scapula and clavicle Sternum

68. 60. What type of contraction is characterized by a rapid, jerky response to a single stimulus?

Mark only one oval.

- Summation
- \_\_\_\_\_ Treppe
- Tonic
- \_\_\_\_\_ Twitch

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