

# 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

*Mark only one oval.*

- Coronal
- Sagittal
- Transverse
- Frontal

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

*Mark only one oval.*

- Abduction
- Adduction
- Circumduction
- Flexion

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

*Mark only one oval.*

- Pronation
- Supination
- Adduction
- Abduction

12. 4. Name the tissues that are involved in the formation of tissue membranes.

*Mark only one oval.*

- 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:

*Mark only one oval.*

- 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.*

- Lysozyme
- Mucus
- Phosphatase
- 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
- Ileum

24. 16. Salivary Alpha Amylase breaks

*Mark only one oval.*

- 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.*

- Cl
- HCl
- 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

*Mark only one oval.*

- 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.*

- 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.*

- Trypsin
- Cl
- HCl
- Pepsin

30. 22.. Pepsin is activated by

*Mark only one oval.*

- Cl
- HCl
- K+
- Ca<sup>2+</sup>

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

*Mark only one oval.*

- Rise in level of CO<sub>2</sub>
- Fall in level of CO<sub>2</sub>
- Rise in level of O<sub>2</sub>
- Fall in level of O<sub>2</sub>

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?

*Mark only one oval.*

- Stratum lucidum
- Stratum corneum
- 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 \_\_\_\_\_

*Mark only one oval.*

- 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?

*Mark only one oval.*

- Thyroxine
- Thyrocalcitonin
- PTH
- Parathyroid

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

*Mark only one oval.*

- Addison's disease
- Cretinism
- Myxedema
- Cushing diseases

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

*Mark only one oval.*

- Somatotropic
- LTH
- Melatonin
- T4 and T3

45. 37. Mark the mismatch pair:

*Mark only one oval.*

- 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 :

*Mark only one oval.*

- increase the permeability of the distal nephron to water.
- increase the excretion of Na<sup>+</sup>
- increase the excretion of water
- increase the diameter of the renal artery .

49. 41. Glucose reabsorption 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
- 140 ml/min
- 100 ml/min

51. 43. Excretion of dilute urine requires

*Mark only one oval.*

- 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.*

- Parotid gland
- Spleen
- Liver
- 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:

*Mark only one oval.*

- 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
- Femur
- 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
- Primary cartilaginous
- Secondary cartilaginous
- Synovial

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

*Mark only one oval.*

- 12
- 7
- 8
- 9

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

*Mark only one oval.*

- 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.*

- Iliofemoral
- 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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