

Online Examinations (Odd Sem/Part-I/Part-II Examinations 2021 - 2022)

Course Name - –Fundamentals of Histology

Course Code - BMLT303

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Answer all the questions. Each question carry one mark.

10. 1. Goblet Cells Secrete

Mark only one oval.

- Enzymes
- Hormone
- Mucus
- Vitamins

11. 2. Mucosa of duodenum has

Mark only one oval.

- Brunners gland
- Lacteal
- Goblet cells
- Payers's patch

12. 3. The modifications of small intestine (such as microvilli)

Mark only one oval.

- maintain the area of absorption
- Modify the area of absorption
- decreases surface area of absorption
- increases surface area of absorption

13. 4. Sub-mucosa is formed by

Mark only one oval.

- Muscle layer
- Loose connective tissues
- Goblet cells
- epithelial cells

14. 5. Gastric glands present in between

Mark only one oval.

- Villi
- Gastric rugae
- Mucus layer
- Muscularis mucosa

15. 6. ▼▼▼_____ is the layer formed of loose connective tissue containing nerves, blood vessels and lymph vessels

Mark only one oval.

- Mucosa
- Sub-mucosa
- Serosa
- None of these

16. 7. Crypts of Lieberkuhn are present between

Mark only one oval.

- Submucosa layer
- Bases of villi
- Muscle layer
- Serosa layer

17. 8. Name the layers possessed by Oesophagus To Rectum(innermost to outermost part)

Mark only one oval.

- Mucosa, Sub Mucosa, Muscularis Externa, Serosa
- Muscularis Externa, Sub Mucosa, Mucosa, Serosa
- Serosa, Muscularis Externa, Sub Mucosa, Mucosa
- Serosa, Muscularis Externa, Sub Mucosa, Mucosae

18. 9. Peyer's patch is located in the following GI layer

Mark only one oval.

- Duodenum
- Jejunum
- Ileum
- Large Intestine

19. 10. Mucosa of small intestine forms

Mark only one oval.

- Brunner's gland
- Crypts Of Lieberkuhn
- Goblet cells
- None of these

20. 11. Meissner's plexus is located in which of the GI tract layer?

Mark only one oval.

- Mucus layer
- Submucus layer
- Muscle layer
- Serosa layer

21. 12. Production of bile takes place in

Mark only one oval.

- mucus cell layer of Liver
- Hepatocytes
- kupffer cells of Liver
- Sinusoids

22. 13. Which of the following papillae lack test buds

Mark only one oval.

- Circumvallate papillae
- Filiform papillae
- Foliate papillae
- Fungiform papillae

23. 14. Tunica adventitia layer of

Mark only one oval.

- Areolar tissue
- Adipose tissue and collagen
- type I collagen and elastic fibers
- Type III collagen and areolar tissue

24. 15. The thickest layer of artery is

Mark only one oval.

- Tunica intima
- Vasa vasorum
- Tunica adventitia
- Tunica media

25. 16. The thickest layer of vein is

Mark only one oval.

- Tunica intima
- Vasa vasorum
- Tunica adventitia
- Tunica media

26. 17. Dura mater consists of

Mark only one oval.

- dense fibrous connective tissues
- white matter
- loose connective tissues with CSF
- grey matter

27. 18. The arachnoid layer of the meninges consists of:

Mark only one oval.

- a thin layer of cells and collagen adhering to the outer surface of the brain
- Continuous capillary endothelium
- white matter
- loose connective tissue with CSF as a ground substance

28. 19. Which structure is principally responsible for the blood-brain barrier?

Mark only one oval.

- Endothelium basement membrane
- Continuous capillary endothelium
- Fenestrated capillary endothelium
- Astrocyte foot process

29. 20. Choroid plexus consists of:

Mark only one oval.

- White matter
- gray matter
- arachnoid granulations
- Ependymal tissues and associated capillaries

30. 21. Cerebrospinal fluid is actively secreted by ependymal cells of the:

Mark only one oval.

- Choroid plexus
- Stria vascularis
- Arachnoid villi
- Pia matter

31. 22. The cell body of neuron is called-

Mark only one oval.

- Ganglion
- Perikaryon
- Astrocyte
- Dendrite

32. 23. Substantia nigra is located in

Mark only one oval.

- Cerebellum
- Cerebral Cortex
- Basal nuclei
- Hypothalamus

33. 24. The cerebellar cortex contains five types of neurons:

Mark only one oval.

- basket, stellate, pyramidal, granular and glial
- purkinje, granule, basket, stellate, and Golgi cells
- Purkinje, granule, basket, pyramidal, and fibrous
- stellate, pyramidal, Schwann, and Golgi cells

34. 25. Parasympathetic nerve arises from which region of the nervous system?

Mark only one oval.

- Cranio sacral
- Lumbar
- Cervical
- Thoracolumbar

35. 26. Which of the following is NOT found in axon?

Mark only one oval.

- Endoplasmic reticulum
- Neurofibrils
- Mitochondria
- Microtubules

36. 27. The supporting and nutritive cells found in brains are

Mark only one oval.

- Oligodendrocytes
- Astrocytes
- Microglia
- Ependymal cells

37. 28. Which one of these is phagocytic cell in nature?

Mark only one oval.

- Astrocyte
- Oligodendrocyte
- Schawan cell
- Microcyte

38. 29. The "white" of the eye is primarily

Mark only one oval.

- elastic tissue
- collagen tissue
- epithelial tissue
- adipose tissue

39. 30. The layer of eye which consists of dense fibrous connective tissue is the:

Mark only one oval.

- sclera
- choroid
- retina
- lens

40. 31. The fluid immediately beneath the cornea (i.e., between the cornea and the lens) is called

Mark only one oval.

- CSF
- endolymph
- aqueous humor
- vitreous humor

41. 32. Aqueous humor is actively secreted by cells of the:

Mark only one oval.

- Cornea
- Iris
- Ciliary process
- Stria vascularis

42. 33. Which layer of the retina contains nuclei of photoreceptor cells?

Mark only one oval.

- Outer nuclear layer
- Outer plexiform layer
- Inner nuclear layer
- Inner plexiform layer

43. 34. Tympanic membrane is located in

Mark only one oval.

- External ear
- Middle ear
- Inner ear
- None of these

44. 35. Cochlea is divided into three parts

Mark only one oval.

- scala vestibule, scala externa, scala interna
- scala media, scala interna, scala tympani
- scala externa, scala media, scala interna
- scala media, scala vestibule, scala tympani

45. 36. Lacrimal sac is lined with

Mark only one oval.

- stratified ciliated columnar epithelium
- pseudostratified ciliated columnar epithelium
- simple cuboidal epithelium
- ciliated columnar epithelium

46. 37. In the organ of Corti, apical projections of hair cells (cilia and stereocilia) are in intimate contact with

Mark only one oval.

- Reissner's membrane
- Basilar membrane
- Tectorial membrane
- December's membrane

47. 38. Most of the melanin in the basal layer of the epidermis is located in which cell type?

Mark only one oval.

- keratinocytes
- melanocytes
- langerhans cells
- fibroblasts

48. 39. The fibrous connective tissue layer of skin is:

Mark only one oval.

- epidermis
- mucosa
- dermis
- hypodermis

49. 40. The loose, adipose connective tissue layer of skin is

Mark only one oval.

- epidermis
- mucosa
- dermis
- hypodermis

50. 41. Which of the following taste receptors are present largely in the front portion of the tongue?

Mark only one oval.

- Sweet
- Salt
- Bitter
- Sweet and Salt

51. 42. Which is the smallest papillae present on the tongue ?

Mark only one oval.

- Fungiform papillae
- Circumvallate papillae
- Filiform papillae
- Foliate papillae

52. 43. Which one is the largest and least number of papillae present on human tongue?

Mark only one oval.

- Fungiform papillae
- Circumvallate papillae
- Filiform papillae
- Foliate papillae

53. 44. Thyrotroph cells are located in which of the part of Pituitary gland?

Mark only one oval.

- Pars Tuberalis
- Pars Distalis
- Pars Intermedia
- None of these

54. 45. Pituicytes are located in

Mark only one oval.

- Adenohypophysis
- Neurohypophysis
- Adrenal cortex
- Hypothalamus

55. 46. Which of the following are not basophilic cells?

Mark only one oval.

- Corticotrophs
- Somatotrophs
- Thyrotrophs
- Gonadotrophs

56. 47. Function of Chromophobes is

Mark only one oval.

- Secretion of ACTH
- Secretion of GH
- Undifferentiated cells that are capable of differentiating into various types of chromophils
- None of these

57. 48. Pars intermedia is the source of

Mark only one oval.

- MSH
- FSH
- LH
- None of these

58. 49. Parafollicular cells of thyroid gland are the source of which hormone?

Mark only one oval.

- TSH
- T3
- T4
- Calcitonin

59. 50. Thyroglobulin is present within

Mark only one oval.

- Thyroid follicular cells
- Parathyroid gland chief cells
- Colloid of Thyroid gland
- Oxyphil cells of Parathyroid gland

60. 51. Aldosterone is secreted from which layer of the Adrenal gland?

Mark only one oval.

- Zona glomerulosa
- Zona fasciculata
- Zona reticularis
- Adrenal medulla

61. 52. Chromaffin cells are the source of which hormone?

Mark only one oval.

- Adrenaline
- Cortisol
- Dopamine
- Aldosterone

62. 53. Alpha cells are located at which portion of pancreatic islets?

Mark only one oval.

- centrally
- less abundant
- peripherally
- both centrally and less abundant

63. 54. Prolactin is synthesized and secreted by which of the following cells?

Mark only one oval.

- Acidophils in the pars distalis
- Mamotrophs in the pars distalis
- Basophils in the pars tuberalis
- Basophils in the pars intermedia

64. 55. Macula densa cells are located in which part of nephron?

Mark only one oval.

- Proximal tubule
- distal tubule
- Loop of Henle
- collecting duct

65. 56. Presence of JG cells is the characteristic feature of which part of the nephron?

Mark only one oval.

- Afferent arteriole
- Efferent arteriole
- Distal tubule
- Collecting duct

66. 57. Presence of Umbrella cells is the characteristic feature of which part of Kidney?

Mark only one oval.

- Nephron
- Urethra
- Urinary bladder
- Ureter

67. 58. Loop of Henle is divided into how many parts?

Mark only one oval.

- 3
- 4
- 2
- 1

68. 59. The renal medulla is composed of tissue called

Mark only one oval.

- Renal pelvis
- nephrons
- Renal sinus
- Renal pyramids

69. 60. Capillary loops located in the medulla are also known as-

Mark only one oval.

- Trigone
- Vasa recta
- Ureter
- None of these

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