**Human Anatomy and physiology-1 QB**

**B pharmacy semester-1**

1. **ARKS**
2. Draw a neat labeled diagram of the brain. Write two functions of each part of the brain.
3. Explain in detail the mechanism of respiration.
4. Mention the hormones of the pituitary gland and write their function.
5. Draw a neat labeled diagram of the brain and write the functions of the cerebrum and cerebellum.
6. A neat labeled diagram explains the anatomy and physiology of the lungs.
7. A)Explain the hormones of the posterior pituitary gland. B) What is insulin? Explain its role in the regulation of blood sugar levels.
8. Explain the functions of the hypothalamus and medulla oblongata.
9. Explain the physiology and regulation of respiration.
10. Describe the anatomy of the pituitary gland and explain its hormones with a negative and positive feedback mechanism
11. Draw a neat labeled diagram of the brain. Write two functions of each part of the brain.
12. A neat labeled diagram describes the structure of the nephron. Explain the physiology of urine formation.
13. Explain the anatomy and physiology of the adrenal gland.
14. Explain the structure and functions of the kidney, with a mechanism of urine formation.
15. Explain the biosynthesis and functions of thyroid hormones.
16. Explain the structure and functions of the kidney, with the mechanism of urine
17. Explain in detail different functional areas of the cerebrum with their functions.
18. Explain the anatomical features of the sympathetic and parasympathetic nervous system
19. Explain the hormones of the pituitary gland, write their function.

**5 MARKS**

1. Classify the nervous system. Explain the functional areas of the cerebrum
2. Write the anatomy and physiology of the stomach.
3. Explain the physiology of urine formation.
4. gastric acid secretion4 Explain the biosynthesis and functions of thyroid hormones
5. Explain the structure and functions of testes
6. Mention the salivary glands. Write the composition and functions of saliva
7. Explain transport of respiratory gases
8. Anatomy and physiology of mammary glands.
9. Explain Oogenesis
10. Mention the functions of thalamus and hypothalamus
11. Write the anatomy and physiology of liver.
12. Write the physiology of urine formation.
13. Explain the regulation of respiration
14. Explain the functions of adrenal cortex hormones
15. Write the physiology of menstrual eycle
16. Explain spermatogenesis
17. Explain Movements of the small intestine
18. What is parturition? Explain the stages of parturition
19. Describe the anatomy of spinal cord
20. Explain digestion and absorption of carbohydrates, proteins and fats
21. Describe nephron with neat labeled diagram
22. Define- Cushing's syndrome, Addison's disease, Acromegaly, Pheochromocytoma, Diabetes insipidus
23. Explain the formation and role of ATP
24. Define lung volume, and capacities along with normal values
25. Explain the organs and functions of male reproduction system
26. Explain the stages of pregnancy
27. Describe spermatogenesis.
28. Describe the composition and functions of cerebrospinal fluid
29. Explain the structure and functions of thymus gland
30. Describe the exocrine secretions of pancreas
31. Explain transport of oxygen and carbon dioxide
32. Explain the functions of anterior pituitary hormones
33. Explain salivary glands, describe the composition and functions of saliva
34. What is insulin? Explain its role in the regulation of blood sugar level.
35. Describe the functions of liver.
36. With a neat labeled diagram. Explain anatomy of lungs
37. Describe the functions of medulla oblongata and pons
38. Explain the functions of liver
39. Explain the events of Menstrual cycle
40. Explain in detail about renin angiotensin system
41. Explain the phases of gastric acid secretion.
42. Explain with neat labeled diagram explain respiratory tract
43. Explain layers of GIT
44. Explain the structure and functions of the parathyroid gland
45. Explain the structure and functions of the ovary
46. Explain nerve plexus
47. Explain endocrine secretions of the pancreas and their functions
48. Explain the digestion of carbohydrate, protein, and fats at different levels
49. Explain Regulation of respiration
50. Explain the role of the renin-angiotensin system in the regulation of blood pressure
51. Explain the anatomy and functions of the liver.
52. Explain the genetic pattern of inheritance
53. List out the organs of the female reproductive system and explain the uterus.
54. What is parturition? Explain the stages of parturition

**2 MARKS**

1. Write on Meninges.
2. Define- Micturition
3. Define- Acromegaly, Cretinism
4. What are the ventricles of the brain
5. Define peptic ulecer
6. Define- Gigantism and Dwarfism.
7. Write the divisions of nervous system
8. Define polycystic ovarian disease
9. Define anorexia and GRD
10. Mention the functions of testes
11. Mention types of reflexes
12. Write the functions of saliva
13. Define Tidal volume and Vital capacity
14. Write the functions of thymus gland Book
15. Write the functions of gastric juice
16. Write the functions of cerebrospinal fluid
17. Define infertility, Polycystic ovarian disease
18. Define pheochromocytoma, diabetes insipidus
19. Mention the functions of ovaries
20. Write the divisions of the nervous system
21. Write the functions of the thymus gland
22. Write the functions of the medulla oblongata
23. Define constipation and diarrhea
24. Mention the different methods of artificial respiration
25. List the functions of the cerebellum
26. Mention the functions of the pineal gland
27. Explain the genetic pattern of inheritance
28. Define reflex arc
29. Composition and functions of bile.
30. Define parturition.
31. Mention the layers of GIT
32. Define synapse
33. Define reflex arc
34. Define anorexia and peptic ulcer
35. Describe layers of the brain
36. Explain hyperthyroidism and hypothyroidism
37. Name the ducts of the male reproductive system from proximal to distal end
38. Write the functions of oxytocin
39. Mention the functions of the ovary
40. Write the difference between somatic and autonomic nervous system
41. Write the functions of the thalamus
42. Define internal and external respiration
43. Explain Extra pyramidal tract
44. Differentiate between diabetes and diabetes mellitus
45. Define afferent and efferent nerves
46. Write the functions of the pineal gland
47. Define the terms liver cirrhosis and hepatitis
48. Write the structure and functions and sperm
49. Write about movement of the large intestine
50. Explain seminiferous tubules
51. Define action potential and synapse
52. Define gastritis and hepatitis
53. Define anorexia and pancreatitis
54. Explain chloride shift
55. Write a note on gonads.
56. Write functions of hypothalamus on come,
57. Define dwarfism and gigantism
58. Draw a neat labeled diagram of neuron and label.
59. Name the ducts of the male reproductive system from proximal to distal end
60. Write about hormones of the male and female reproductive system