PHYSIOLOGY VIVA QUESTIONS
(SECOND YEAR M.B;B.S.)

CREDITS:

COLLECTED COMPILED BY
SYED FURQAN HAIDER SHERAZI,
SHABBAR HUSSAIN CHANGAZI,
BILAL KHALID.

SPECIAL THANKS TO
NAVEED HAMIYA,
R.B
**GIT:**
1. Salivary centers?
2. Gall bladder function tests?
3. Cholecystogram? Cholecystography?
4. Actions of CCK? Why it is a hormone not a neurotransmitter?
5. Functions of colon?
6. Functions of small intestine?
7. Movements of small intestine?
8. Gut brain? Brain gut?
9. Basal electrical rhythm of GIT?
10. Gastric waves?
11. Achalasia cardia?
12. Mass peristalsis?
13. Gastric function tests?
14. Pancreatic function tests?
15. Endocrinal role of duodenum?
16. Vomiting center? CTZ?
17. HCl formation? & secretion?
18. Actions of gastrin?
19. Gastrocolic reflex?
20. What is the site of absorption of Fe?

**CNS:**
1. Einstein’s brain?
2. Nutrition of brain?
3. Parkinsonism? & its features?
4. Which tract is damaged in Parkinsonism?
5. Which muscles are rigid in Parkinsonism?
6. Effect of injection of acetylcholine in brain on Parkinsonism?
7. Ballistic movements in Parkinsonism?
8. Where in CNS if ablated, produces hypotonia?
9. Effect of ablation of motor cortex?
10. Motor command signal?
11. Two point discrimination? Neglect syndrome? Motor homunculus?
12. Somatotopy? Somatotopy in thalamus?
13. Brain motor system? Motor areas?
14. Stereognosis? Astereognosis? Where is the lesion?
15. Ablation of occipital cortex?
16. Ablation of somatosensory areas?
17. UMN lesion? LMN lesion? & differences?
18. Where in CNS by cutting we can produce pure pyramidal lesion?
19. Difference in pyramidal and extra pyramidal lesion?
20. Difference between spasticity and rigidity?
21. Tests for evaluation of ascending tracts?
22. Slow and fast pain? & pathways?
23. Alpha-gamma co-linkage?
24. Corticospinal fibers (slow conducting)?
25. Dorsal column tract and their evaluation?
26. Reason for pendular knee jerk in cerebellar lesions?
27. Conditioned reflex? & its center?
28. Kluver-bucy syndrome?
29. Sham rage? & its features?
30. De-afferentation in decerebrate rigidity?
31. Effect of removal of vestibular nucleus on de-cerebrate rigidity?
32. Tremors?
33. Fine and coarse tremors? Fine tremors in CNS?
34. Kinetic tremors? Resting tremors? & senile tremors?
35. Function of purkinje cell of cerebellum?
36. Functions of anterior lobe of cerebellum?
37. Hypotonia? & conditions in which it occurs?
38. Romberg’s sign?
39. Functions of hypothalamus?
40. Feeding centers?
41. Satiety center? Types of satiety? Central satiety and peripheral satiety?
42. Fluid regulatory area of hypothalamus?
43. EEG? Normal and abnormal waves?
44. Delta waves? How are they produced?
45. EEG in tumors?
46. EEG in epilepsy?
47. Difference between electroencephalography & elctorcorticigraphy?
48. Pseudo-encephalogram?
49. REM sleep?
50. Paradoxical sleep? & why it is called so?
51. Neurotransmitters involved in sleep?
52. Dreams?
53. Dysarthria? Cerebellar dysarthria?
54. Difference between aphasia and dysarthria?
55. Paraplegia? paraplegia in extension & flexion?
56. CSF? Formation? Circulation? And pressure?
57. Pressure at which CSF formation and absorption are equal?
58. Lumber puncture? Level of LP in children & adults?
59. Memory storage?
60. Properties of reflex arc?
61. Receptor potential?
62. Properties of receptors & classification?
63. Types of receptors in muscle spindle?
64. Reason for decorticate rigidity?
65. Spinal shock?
66. Destruction of AHC?
67. Genresic maneuver
68. Function of medulla?
69. Vasomotor center?
70. Result of ablation of facial nerve nucleus?
71. Desynchronisation?
72. Nerve growth factors?
73. Substrate of CNS?
74. Myelography?
75. Principles of neurological diagnosis?
76. Quecenstedts sign?
77. Result of lesion at L1 level of spinal cord?
78. Stretch reflex?
79. Reverberating circuits?

**SPECIAL SENSES:**
1. Near point?
2. Dark current?
3. Deutranope?
4. Night blindness?
5. Ishihara chart?
6. Purkenje shift?
7. Photoreceptors in day time?
8. Use of red light (goggles) by pilots?
9. Hypertensive retinopathy?
10. Diabetic retinopathy?
11. Fundus oculi?
12. Colour of optic disc? & reason for it?
13. Cupping of optic disc?
14. Flame shaped hematoma?
15. Dark adaptation? & its curve?
16. Presbyopia?
17. Argyll Robertson’s pupil
18. Horner’s syndrome?
19. Receptor potential?
20. Discharge of neurotransmitter of rods? And its difference with other receptors?
21. Composition of endolymph?
22. Source of potassium ion in endolymph?
23. Evidence of composition of endolymph?
24. Composition of perilymph?
25. Drugs causing deafness?
26. Presbycusis?
27. Mechanism of amplification of OHC?
28. Functions of organ of corti?
29. Tunnel of corti? & function of tunnel of corti?
30. Doll’s reflex?
31. Cochlear microphones?
32. Characteristics of olfaction?
33. Olfactory pathway? And its link with hypothalamus?
ENDOCRINOLOGY;
1. Hormone?
2. Difference between hormone & neurotransmitter?
3. Difference between hormone & enzyme?
4. Acromegaly? Dagnostic tests?
5. Functions of GH?
6. Release of GH? & its stimuli?
7. Mechanism of action of GH?
8. Hormones causing growth?
9. T₃, T₄ & reverse T₃? & their differences?
10. Mechanism of action of T₃, T₄?
11. Thyroxin levels in blood?
12. Thyroid function tests?
13. Biochemical tests of thyroid?
14. Functions of TSH?
15. Thyroglobulin?
16. Action of TSH on thyroglobulin?
17. Stroma ovarii?
18. Metamorphosis? & role of hormone?
19. Thyrotoxicosis?
20. Reason for thyrotoxicotic tremors?
21. Myxedema?
22. Hashmito thyroiditis?
23. Difference between cretin & dwarf?
24. Hypocalcaemia tetany?
25. Grading of hypocalcaemia tetany?
26. Effect of parathyroid on gastric secretion?
27. Actions of parathormone?
28. Effect of increased parathormone on bones?
29. Difference between osteoporosis and osteomalicia?
30. Advanced osteoporosis?
31. Conn’s syndrome?
32. Peritibial edema?
33. Rennin-angiotensin-aldosterone? &their potent stimuli?
35. Cortisol? Levels in blood? & actions?
36. Action on proteins? & on blood?
37. Effect of increased cortisol on muscle?
38. Reason for anti-inflammatory characteristics of cortisol?
39. Actions of ACTH?
40. Addison’s disease? & its features?
41. Site of release of MSH in humans?
42. Reason for increased pigmentation of skin in Addison’s disease?
43. Calcitonin? & its levels in blood?
44. Aldosterone escape?
45. Which tissue is most sensitive to hyperkalaemia & which is most resistant?
46. Difference between ADH & oxytocin?
47. Hypothalamic hormones? & nuclei from which they are released?
48. Hormones of pituitary?
49. Somatostatin?
50. Functions of prolactin?
51. Excess secretion of prolactin in males?
52. Effect of insulin on hormone sensitive lipase?
53. Difference between diabetes insipidus and mellitus?
54. Pituitary diabetes?
55. What is VMA?
56. Phaeochromacytoma?
57. Hirsuitism?
58. Hormones having positive feed back regulation?
59. Infant HERCULEUS?
60. Pocket HERCULEUS?
61. Causes of polyurea and polydypsia?
62. Endocrinal function of kidney?
63. Endocrinal function of heart?
64. Endocrinal function of lungs?
65. Effect of adrenaline on heart?

**REPRODUCTION:**
1. Testicular function tests?
2. Total number of sperms?
3. Difference between spermatogenesis & spermiogenesis?
4. Azoospermia?
5. Ejaculatory dysfunction?
6. Cryptorchidism?
7. Functions of ovary?
8. Hormones of ovary?
9. Ovarian function tests?
10. Cervical test?
11. Spinbarkeit?
12. Investigation of infertility?
13. Mechanism of menopause?
14. Polycystic ovary?
15. LH surge?
16. Changes occurring in menstrual cycle?
17. Adrenarche?
18. Thelarche?
19. Menarche?
20. Pregnancy function tests?
21. Double Bohr Effect?
22. Mount Everest in utero?

**MISCELLANEOUS:**
1. Turner’s syndrome? Facial appearance in this syndrome?
2. Cardiac function tests?
3. Rosen Muller syndrome?
4. Flower clot syndrome?