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## FINAL EXAM - CBS401

SEMSTER 4 - 2024/2025 - 15/6/2025 - 10:00am to 12:30am

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### Section 1: Short Essay Questions

1. Arterial supply of anterior limb of internal capsule
2. Explain ionic basis in photoreceptors in dark
3. Explain Rebound phenomenon in neocerebellar syndrome
4. Enumerate pain control gates
5. 2 signs of lesion in motor area 6
6. How can we inhibit peripheral decarboxylation of L-dopa?
7. Neisseria biochemical reactions
8. CSF changes in case about Neisseria
9. Enumerate basal ganglia components
10. Explain why parkinsonism patient exhibits Slow Walking
11. Nv supply for superior oblique and medial rectus muscle
12. Lesion of Abducent nerve leads to
13. Enumerate UMNL lesions in facial nerve
14. Enumerate side effects of Amitryptilline
15. Discuss mechanism of action of ethosuximide
16. Types of long term memory
17. Describe ME of astrocytoma grade I
18. Lesion in primary auditory cortex
19. visual aphasia: area damaged and injury characteristic
20. Acanthamoeba manifestation of eye?
21. Divisions and termination of pyramidal tract
22. Enumerate TWO causes of corneal transparency
23. Tracts carry conscious proprioception
24. vermal and paravermal zones mention nuclei
25. Mention the mechanism of spasticity in UMNL
26. Why is extradural hemorrhage is a serious condition?
27. Enumerate laboratory diagnosis of rabies virus



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### Section 2: Multiple choice Questions

11. 2. 3. Inducer for neural tube development

(**Notochord**)

Only nerve that exits from dorsal brain stem surface

(**Trochlear**)

What is true about the cerebellopontine angle content

(**lateral recess of luscka foramen of 4th ventricle**)

4. Correct statement about 3rd ventricle

(**Ependymal layer between stria 2 medullaries thalami**)

5. Nucleus in tegmentum of midbrain

(**Red Nucleus**)

6. Stria medullaris thalamai connect septal nuclei

(**habenular nucleus**)

7. Correct statement about cranial nerves exit

(**Maxillary nerve through foramen rotundum**)

8. What is correct about ganglia related to trigeminal

(**Ciliary ganglion related to ophthalmic nerve**)

9. MCA correct statement

(**passing in the lateral sulcus ends in surface of insula**)

10. Type of cell in spiral ganglion

(**Bipolar**)

11. Gustatin in sweet taste mechanism of action

(**Closing k channels by cAMP pathway**)

12. Anticonvulsant safe in pregnancy

(**Levetiracetam**)

13. Benzodiazepines termination mechanism

(**Redistribution**)

14. Area responsible for primitive olfactory reactions

(**Medial olfactory area**)

15. Stimulation of septal nuclei leads to

(**Reward & pleasure**)

16. Hge in base of brain which aneurysm  
(**Berry**)
17. Intelligence related to movement  
(**bodily kinesthetic**)
18. Red apple in all conditions  
(**Perceptual constancy**)
19. which of the following tract is facilitatory for extensor ms  
(**Pontine reticulospinal**)
20. the dorsomedial motor nucleus of thalamas has a role in  
(**Storing & recalling memory**)
21. macula function  
(**Responsible for head & neck posture ---- for antigravity ms**)
22. Function of ossicular chain  
(**Amplification of sounds**)
23. which of the following you should do regarding presbyopia  
(**+ve diopetric power**)
24. Winterbottom's sign is a sign of which disease  
(**Sleeping sickness**)
25. What layer contains the 2nd order cell  
(**Inner nuclear layer**)
26. Dentate nucleus function  
(**Planning of movement**)
27. prosopagnosia is lesion in  
(**Recognition face area**)
28. visceral pain is referred  
(**Renal to inguinal region**)
29. bony labyrinth content  
(**S.C.C**)
30. What will happen if round window didn't function properly  
(**fluid wont displace properly**)
31. Trophozoite: 20–40  $\mu\text{m}$ , multiple spiky pseudopodia Cyst: 20  $\mu\text{m}$ , double-walled  
(**Acanthameoba**)
32. case patient with biliary pain Why opioid not used  
(**spasm to sphincter of Oddi**)
33. phantom limb phenomenon  
(**severe pain in amputated limb**)

34. meningioma ME features  
(**psammoma bodies**)
35. What is characteristic about cholesteatoma  
(**squamous epithelium**)
36. what is the tip link in the inner ear  
(**elastic fibers between stereocilia**)
37. dopamine role in basal ganglia  
(**Excitatory on direct, inhibitory on indirect**)
38. latent TB infection mass in the lung  
(**Aspergilloma**)
39. patient using contact lens and home made solution  
(**Acanthameobic keratitis**) غالباً
40. Effect of alkalosis on synaptic transmission  
(**increase excitability**)
41. Weber Fechner “he should find a new name honestly” law  
(**relation between intensity & rate of discharge**)
42. Long term memory mechanism  
(**increase presynaptic terminals**)
43. The glossopharyngeal nerve 9th nerve supply  
(**Receives taste fibers from posterior third of tongue**)
44. Why rabies doesn't spread by blood exposure  
(**go to nervous system directly without causing viremia**)
45. Which of these drugs cause peripheral spasm  
(**Bromocriptine**)
46. Characters of shingles  
(**grouped painful vesicles along sensory nerve**)
47. locus coeruleus secretes  
(**NE**)
48. Aripiprazole to changes in which pathway  
(**mesolimbic mesocortical**)
49. Nucleus motor (10-11-12)  
(**Ambiguous**)
50. Nucleus of sensation from tongue  
(**solitarius**)
51. Necessary of circadian rhythm  
(**suprachiasmatic nucleus**)
52. Function of Magnocellular cells in visual pathway (**Detection of motion**)



**This file was made because no one else would make it  
Not even the college administration**

