

SUBJECT: 1401 – PHYSIOLOGY

UNIT V – THE CENTRAL NERVOUS SYSTEM – QUESTION BANK

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPER

II. WRITE NOTES ON

5 MARKS

Serial No.	Question	Reference (Months and Years)	Bloom's Taxonomy
1	Write notes on the structure and functions of a synapse in the central nervous system.	August 2011 (similar 5-mark on synapse), August 2015 (similar 5-mark on synapse and functions), March 2021 (related 3-mark on define synapse), April 2022 (related 3-mark on synapse importance), April 2023 (related 3-mark on synapse importance)	Understand
2	Write notes on the coverings of the brain and their physiological role in protecting the central nervous system.	August 2015 (similar 5-mark on coverings of brain)	Remember
3	Write notes on cerebrospinal fluid (CSF), including its composition, functions, and circulation in the central nervous system.	August 2015 (similar 3-mark on what is CSF?)	Understand
4	Write notes on cranial nerves, mentioning at least three with their physiological functions in the central nervous system.	August 2015 (similar 3-mark on mention three cranial nerves), February 2020 (similar 3-mark on mention three cranial nerves)	Describe (Understand)
5	Write notes on the hormones secreted by the anterior pituitary and their physiological regulation by the central nervous system.	August 2011 (similar 3-mark on name anterior pituitary hormones), February 2016 (similar 3-mark on hormones from anterior pituitary), August 2019 (similar 5-mark on hormones of anterior pituitary)	Remember
6	Write notes on the posterior pituitary hormones and their functions in central nervous system physiology.	August 2012 (similar 3-mark on posterior pituitary hormones and functions)	Understand
7	Write notes on the structure of a neuron and its physiological role in central nervous system transmission.	November 2022 (similar 3-mark on draw and label a neuron)	Understand

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Serial No.	Question	Reference (Months and Years)	Bloom's Taxonomy
8	Write notes on the reflex arc and its physiological mechanism in the central nervous system.	August 2011 (similar 3-mark on reflex arc), November 2023 (similar 3-mark on describe reflex arc)	Apply

III. WRITE SHORT NOTES ON

3 MARKS

Serial No.	Question	Reference (Months and Years)	Bloom's Taxonomy
1	Define synapse and mention its importance in central nervous system physiology.	March 2021 (similar 3-mark on define synapse), April 2022 (similar 3-mark on define synapse and importance), April 2023 (similar 3-mark on define synapse and importance)	Remember
2	What is Glasgow Coma Scale? Mention its components.	August 2012 (similar 3-mark on Glasgow coma scale), February 2013 (similar), August 2013 (similar), February 2016 (similar), August 2016 (similar), February 2017 (similar), August 2018 (similar)	Remember
3	What is cerebrospinal fluid (CSF)? Mention its functions.	August 2015 (similar 3-mark on what is CSF?)	Remember
4	Name three cranial nerves and state one function each.	August 2015 (similar 3-mark on mention three cranial nerves), February 2020 (similar 3-mark on mention about three cranial nerves)	Remember
5	Draw and label a typical neuron in the central nervous system.	November 2022 (similar 3-mark on draw and label a neuron)	Apply
6	Describe the reflex arc with its components.	August 2011 (similar 3-mark on reflex arc), November 2023 (similar 3-mark on describe reflex arc with components)	Describe (Understand)
7	Name the hormones secreted by the anterior lobe of the pituitary gland.	August 2011 (similar 3-mark on name anterior pituitary hormones), February 2016 (similar 3-mark on hormones from anterior pituitary)	Remember
8	Name the posterior pituitary hormones and mention their functions.	August 2012 (similar 3-mark on posterior pituitary hormones and functions)	Remember

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Serial No.	Question	Reference (Months and Years)	Bloom's Taxonomy
9	Define pronation and supination in the context of central nervous system-controlled movements.	August 2017 (similar 3-mark on describe pronation and supination)	Remember
10	What is the pituitary gland? Mention its role in central nervous system physiology.	February 2014 (similar 3-mark on pituitary gland), August 2014 (similar 3-mark on pituitary gland)	Understand