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Course Name: MSc Toxicology, Semester-II End term Examination (2023-24)

Paper Name: Neurotoxicology

Paper Code: MTX-DCE202

Time: 1.5 h

Maximum Marks: 30

Note: This paper has 3 section A, B and C, Attempt all the three sections. Section A: Answer all the questions; Section B: Answer any 3 and Section C : attempt any one questions

Abbreviations Used

CO-Course Outcome, PO-program Outcome, BTL-Bloom Taxonomy Level: BT level 1-

Remember; BT level 2-Understand; BT level-3 Apply; BT level 4 Analyse; BT level 5- evaluate, BT level 6 Create

SECTION A

Very Short Type Questions (1 X10)

[10]

Q. No.	Question	Marks	BTL	CLO	PLO
1.	Afferent or sensory nervous network is a part of central or peripheral nervous system?	1	2	2	2
2.	Contraction of pupils is regulated by autonomic nervous system. True or False	1	2	2	3
3.	Name two neuro-degenerative disorders.	1	3	3	1
4.	Define action potential.	1	1	4	2
5.	Is toxic neuropathy reversible?	1	2	2	2
6.	Carbamates act via inhibition of AchE. True or False	1	3	3	2
7.	DDT is a toxic organochlorine. True or False	1	2	2	3
8.	Can elevated calcium levels induce apoptosis?	1	2	4	2
9.	Thought process is controlled by cerebrum. True or False	1	2	2	3
10.	Which is the thickest nerve in human body?	1	2	1	2

SECTION B

Long-type Questions. (Attempt any two questions) (5 x 2)

[10]

Q. No.	Question	Marks	BTL	CLO	PLO
1.	Mention structural types of neurons.	5	1	2	2
2.	Define and differentiate axonopathy and myelinopathy.	5	2	1	3
3.	Describe spinal nerves and plexus and parts of the body they innervate.	5	2	2	1
4.	Mention two potentiometric dyes to evaluate mitochondrial membrane potential.	5	2	4	1

SECTION C

Short-type Questions. (Attempt all questions) (2.5 x 4)

[10]

Q. No.	Question	Marks	BTL	CLO	PLO
1.	What are the symptoms of Alzheimer's disease?	2.5	1	2	2
2.	Describe organophosphate induced delayed neuropathy.	2.5	2	1	3
3.	Name four environmental neurotoxicants.	2.5	2	2	1
4.	What is the importance of blood brain barrier?	2.5	2	4	1

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