



BRAINWARE UNIVERSITY

Library Brainware University 398, Ramkrishnapur Road, Barasa! Kolkata, West Bengal-700125

Term End Examination 2024-2025 Programme - B.Sc.(PA)-2021/B.Sc.(PA)-2022 Course Name - Basic Neurology & Psychology Course Code - BPAE504B (Semester V)

Full Marks : 60	Time : 2:30 Hours
[The figure in the margin indicates full marks.	Candidates are required to give their answers in their own
words	as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

	choose the correct alternative from the johowing	netprobliABAD
(i)	Select the non-inhibitory neurotransmitter.	
(ii)	a) GABA c) Glutamate Select the correct statement about ionotropic re	b) Serotonin d) None of these ceptors:
	a) They are slower than metabotropic receptors.	b) They directly regulate gene expression.
(iii)	c) They act as ligand-gated ion channels. Personality disorders stem largely from gradual of the correct of th	
	a) Debilitating reactions to stress.c) inflexible and distorted personality behavioral patterns.	b) Anxious environmental scenario.d) Maladaptive perception in behaviour to external stimuli.
(iv) is the innate predisposition to behave in a pa correct option?		
	a) Personality. c) Character.	b) Temprament. d) Behaviour.
(v)	Select the correction option for differentiating characteristic clinical feature between Bipolar disorder and Major depressive disorder?	
	a) Mania.	b) Hypersomnia or insomnia.
	c) Interference with the normal body functioning.	d) All of these.

(vi) Choose the correct option for differentiation between shyness and introversion?

	c) Personality vs ammendable.	d) All of these	
(vii)		depression and anxiety . Select the	
	correct option?		
	a) Ill-defined goal.	b) Superiority Complex.	
(viii)	c) Expectation-performance Mismatch.	d) None of these.	
(VIII)	Select the correct therapeutic technique in which are being administered on the patients while ma	raying a long chronic cituation suffered?	
	a) Speech Therapy.		
	c) Music Therapy.	b) Acoustic Therapy. d) None of these.	
(ix)	Which of the following is not a type of Anxiety Di		
	a) Sociophobia.	b) PTSD.	
	c) OCD.	d) GAD.	
(x)	Which one of the following approaches tries to a		
	stimulus-response units acquired through the proinstrumental conditioning. Identify the correct o	ocess of learning, mainly through	
	a) Cognitive Approach.	b) Dynamic and Psychoanalytc Approach.	
	c) Stimulus-Response Behaviouristic Approach.	d) Existential Approach.	
(xi)	Identify the location where muscarinic receptors		
	a) Neuromuscular junctions	b) Autonomic ganglia	
	c) Effector organs of the parasympathetic	d) Noen of these.	
/vii)	nervous system.		
(XII)	Identify the ionotropic glutamate receptor subtyp	be involved in fast synaptic transmission:	
	a) NMDA receptor	b) AMPA receptor	
(viii)	c) GABA receptor	d) Dopamine receptor	
(AIII)	Identify the hallmark motor symptoms of Parkins	Frankling of the Paris of the P	
	a) Tremor, bradykinesia, rigidity, and postural instability	Paralysis, muscle wasting, and fascicula	
(viv.)	c) Spasticity, hyperreflexia, and clonus	d) Dystonia, hemiparesis, and spastic gait	
	Select the muscle tone abnormality characteristic	of Parkinson's disease:	
	a) Spasticity	b) Rigidity (lead-pipe or cogwheel)	
(vv)	c) Hypotonia	d) Clonus	
	Name the phenomenon characterized by sudden, long-term Parkinson's treatment:		
	a) Myoclonus c) Dystonia	b) Dyskinesia	
	c) bystonia	d) None of these	
	Group	о-В	
	(Short Answer Ty	pe Questions)	8 x 5=15
2. Exp	plain how long-term potentiation (LTP) contribute	s to the strengthening of synapses in long-	(3)
	assify cerebral stroke and its primary causes.		(3)
4. Ex	plain the causes of an Amnestic syndrome.		(3)
5. Dis	5. Discuss the reason foe which loneliness can be encountered in self-centered individual.		(3)
6. Exp	plain the role of dopamine as a neurotransmitter i OR	n the central nervous system.	(3)
Co	mpare between the nicotinic and muscarinic acet	ylcholine receptors.	(3)

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Group-C

(Long Answer Type Questions)

5 x 6=30

7.	Compare Dementia with Lewy bodies & Parkinson's disease dementia with features.	(5)
8.	A 45 years old female patient visited the clinic with the complains of inaffectual urge for defaecation, with muddy glue like brownish stool, feeling of lower confidence before any important engagement due to the constant feeling of discomfort. On enquiry, a state of anxiety is encountered. What will be the provisional diagnosis? Draw a flow chart by which you can explain how anxiety can be connected with the bowel activity?	(5)
9.	Describe the Circle of Willis and its anatomical components.	(5)
10.	Define the molecular changes in the brain that occur during the progression of Alzheimer's diseases, focusing on abnormal protein accumulation.	(5)
11.	What is Seizure? How will you going to classify Seizures? Construct a comparison among different types of seizures?	(5)
12.	Differentiate between UMNL & LMNL	(5)
	OR	
	What is Headache? How will you going to classify the headache according to the onset? Explain the SUNCT in brief.	(5)
