

Post Graduate Medical Diploma (Part-I) Diploma in Psychological Medicine (DPM)

Paper-I

(Multiple Choice Questions) MODEL PAPER

Signatures	of	Candidate
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Roll No.

Total	Marks: '	100	
Time	Allowed:	: 2	hours

Instructions:

- Read the instructions on the MCQ Response Form carefully.
- ii. Attempt all questions.
- Question Paper to be returned along with MCQ Response Form.
- Candidates are strictly prohibited to give any identification mark except

Roll No. & Signatures in the specified column only.

Q.	1	Midhrain	develops	from:
u.	1	wiidbrain	develops	mom:

- a) Ectoderm.
- b) Endoderm.
- c) Mesoderm.

- d) Metencephalon.
- e) Telencephalon.
- 0.2You have seen a patient who is presenting with signs of meningial irritation. You have decided to examine his CSF. While doing a lumber puncture, CSF is taken from:
 - a) Extradural space.
 - b) Subdural space.
 - c) Lateral ventricle.

- d) Subarachnoid space.
- e) Central canal of spinal cord.

- 0.3 Cerebral aqueduct is situated in:
 - a) Cerebral hemisphere.
 - b) Forebrain.
 - c) Hindbrain.

- d) Hypophysis.
- e) Mesencephalon.
- Q.4 Neurotransmitter secreted at the preganglionic fibres of sympathetic nervous system is
 - a) Adrenaline.
 - b) Nor adrenaline.
 - c) Acetylcholine.

- d) Serotonine.
- e) Dopamine.
- You have seen a child who developed Poliomyelitis. Which part of spinal cord is affected? 0.5
 - a) Anterior gray horn.
 - b) Posterior gray horn.
 - c) Fasciculus gracilis.

- d) Fasciculus cuneatus.
- e) Substantia gelatinosa.
- 0.6 Gracile and cuneate tubercles are seen on the surface of:
 - a) Pons.

d) Cerebellum.

- b) Medulla oblongata.
- c) Cerebrum.

e) Spinal cord.

- **Q.7** Tegmentum is a part of:
 - a) Spinal cord.
 - b) Medulla oblongata.

- d) Mid brain.
- e) Thalamus.

- You have seen a patient who has a CT scan report showing a tumour in cerebellum. Which of the 0.8 following symptoms suggests involvement of cerebellum:
 - a) Blindness.

d) Dysdiadochokinesis.

b) Aphasia.

e) Alexithymia.

- c) Mental retardation.
- 0.9 Facial colliculus is found in which part of fourth ventricle?
 - a) Roof.

d) Posterior wall.

b) Right lateral wall.

e) Floor.

- c) Left lateral wall.
- Q.10 You have seen a patient who developed extra pyramidal symptoms after taking haloperidol. Which pathway is affected?
 - a) Nigrostriatal.
 - b) Tuberoinfundibular.
 - c) Hypothalamo hypophysial.

- d) Cortico limbic.
- e) Spinothalamic.

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Q.11	Substantia nigra is situated in a) Thalamus. b) Hypo thalamus. c) Basal ganglia.	d) <u>Midbrain.</u> e) Cerebellum.
Q.12	 A patient presents with features of Wernicke's encepha a) Spinal cord. b) Mid brain. c) <u>Diencephalon.</u> 	lopathy. Pathology is most likely in: d) Cerebellum. e) Pons.
Q.13	Lateral geniculate body is a part of: a) Spinal cord. b) Medulla oblongata. c) Pons.	d) <u>Thalamus.</u> e) Hypothalamus.
Q.14	Following contains commissural fibres: a) Internal capsule. b) Corpus callosum. c) Medial geniculate body.	d) Spinocerebellar tract.e) Posterior horn.
Q.15	You have seen a patient who cannot speak. If lesion situated? a) Superior frontal gyrus. b) Inferior frontal gyrus. c) Pre central gyrus.	is in Broca's area of speech, where is itd) Post central gyrus.e) Inferior temporal gyrus.
Q.16	Third and fourth ventricles are connected through: a) Cerebral aqueduct. b) Central canal. c) Interventricular foramina.	d) Foramen of Luschka. e) Foramen of Magendie.
Q.17	Para sympathetic fibres from eye are present in which ea) First. b) Second. c) Third.	d) Fourth. e) Fifth.
Q.18	Amygdala is structurally related to: a) Spinal cord. b) Pons. c) Medulla oblongata.	d) <u>Limbic system.</u> e) Hypophysis cerebri.
Q.19	Which of the following cranial nerve controls the latera a) Olfactory. b) Optic. c) Occulomotor.	movement of eyeball d) Trigeminal. e) Abducent.
Q.20	Basilar artery is formed by the union of two: a) Anterior cerebral arteries. b) Vertebral arteries. c) Posterior communicating arteries.	d) Posterior cerebral arteries.e) Anterior spinal arteries.
Q.21	What proportion of all sensory information is disunimportant? a) Less than 40%. b) 40% to 59%. c) 60% to 79%.	d) 80% to 99%. e) More than 99%.
Q.22	You have seen a patient who has presented with inte diazepam three times a day. Which of the following diazepam for its anxiolytic effect? a) Acetylcholine. b) Epinephrine.	
Q.23	c) Nor epinephrine. You saw a patient of depression and prescribed 20 re-uptake of Serotonine from synaptic cleft. What is the a) 20 to 30 micrometers. b) 200 to 300 micrometers. c) 20 to 30 millimetres.	mgs of fluoxetine per day. It will inhibit
Q.24	You have seen a patient who is complaining of severe are involved in pain sensations:	headache. Which type of sensory receptors
	a) Nociceptors.b) Thermo receptors.c) Mechanoreceptors.	d) Chemo receptors.e) Electromagnetic receptors.

Q.25	A patient brings to you a report saying that his dorsa column transmits following sensations	l co	olumn of spinal cord is affected. Dorsal
	a) Pain.b) Temperature.	,	Tickle and itch. Sexual sensations.
	c) <u>Position sensations from the joints.</u>		
Q.26	Which of the following is found in the brain's opiate sys		
	a) Morphine.b) Endorphin.	•	Codeine. Buperinorphine.
	c) Pethidine.	C)	варетногрине.
Q.27	Nor epinephrine is synthesised from		
	a) <u>Dopamine.</u>	- /	GABA.
	b) Epinephrine.c) Serotonine.	e)	Acetylcholine.
0.20			onreased nations. Value massure continul
Q.28	You have advised dexamethasone suppression test in level. Cortisol is secreted from	a o	epressed patient. You measure cortisor
	a) Pituitary gland.		Thyroid gland.
	b) Adrenal medulla.c) Adrenal cortex.	e)	Hypothalamus.
0.00	, 		
Q.29	You have seen a patient suffering from narcolepsy. Sleepart of brain?	ep a	ind wakefulness are controlled by which
	a) Cerebral cortex.		Hypothalamus.
	b) <u>Reticular activating system.</u>c) Limbic system.	e)	Internal capsule.
Q.30	-	ad	glausema. What is normal intraccular
Q.30	You have prescribed procyclidine to a patient who h pressure?	iau	giaucoma. What is normal intraocular
	a) 45 mm Hg.		15 mmHg.
	b) 35 mm Hg.c) 25 mm Hg.	e)	05 mm Hg.
Q.31	Inhibitory cells situated in spinal cord are known as:		
	a) Renshaw cells.	d)	Purkinje cells.
	b) Golgi cells.c) GABA cells.	e)	Dorsal root ganglia.
	•		
Q.32	Primary motor cortex lies in: a) Post central gyrus.	d)	Broca's area.
	b) Pre central gyrus.	,	Area 17 of cerebral cortex.
	c) Temporal lobe.		
Q.33	Which part of brain prevents overshooting of movement		5
	a) Cerebral cortex.b) Thalamus.		Basal ganglia. Spinal cord.
	c) <u>Cerebellum.</u>	C)	Spirial coru.
Q.34	The major area for language comprehension in cerebral	100	tex is also known as
	a) Korsakoff's area.		Wernicke's area.
	b) Parkinson's area.c) Broca's area.	e)	Auditory area.
Q.35	You have seen a patient whose immediate memory is n	orn	nal but short-term memory is deranged.
4.00	The part of brain involved in consolidation of memory is	: :	
	a) Thalamus. b) Putamin.	•	Corpus callosum.
	c) Globus Pallidus.	e)	Hippocampus.
Q.36	A neurologist refers a patient to you. His MRI scan sho	ows	loss of neurons in cerebellum. Loss of
	the deep cerebellar nuclei commonly causes:		
	a) Clasp knife rigidity.b) Cog wheel rigidity.		Hypertonia. Hypotonia.
	c) Ankle clonus.	<i>G)</i>	jpstoriid.
Q.37	You have seen a patient whose CT scan shows a bra	in t	umour and his temperature regulatory
	system is affected. Which part of brain controls the tem	per	ature regulation?
	a) Tuberous cinerium.b) Mammilary bodies.		Preoptic area of hypothalamus. Infundibulum.
	c) Para ventricular area of hypothalamus.	(ت	manabalam.

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Q.38	Reward and punishment centres are located in which pa	
	a) Spinal cord.	d) Cerebral cortex.
	b) Brain stem.c) <u>Limbic system.</u>	e) Reticular activating system.
Q.39	A patient comes to you with history of fits. His EEG sho is:	ws theta waves. Frequency of theta waves
	a) Less than 3.5 cycles per second.	d) 14 to 21 cycles per second.
	b) 4 to 7 cycles per second.c) 8 to 13 cycles per second.	e) More than 21 cycles per second.
Q.40	You have seen a patient who suffers from schizop psychotics, which blocks a-adrenergic receptors. Blocka	ge of a-adrenergic receptors causes:
	a) <u>Vaso dilatation.</u>	d) Tachycardia.
	b) Vaso constriction.c) Pupil dilatation.	e) Alexithymia.
Q.41	The characteristic transmission in synapse is:	d) There are covered evens in a neurone
	a) <u>There is one-way conduction.</u>b) Transmission occurs both ways.	d) There are several axons in a neurone.e) Mitochondria store the neurotransmitter in
	c) Transmission is mainly electrical.	pre synaptic terminals.
Q.42	You have seen a patient who is complaining of m prolonged changes in neurone, which is achieved by:	emory loss. Long-term memory requires
	 a) Opening ion channels in postsynaptic neurone. 	 d) Creating action potential at neuromuscular junction.
	b) Activating a second messenger chemical	e) Making changes in the DNA.
	system in the post synaptic neurone.c) Activating a second messenger chemical	
	system in the pre synaptic neurone.	
Q.43	Excitation of neurone occurs by	
	 a) Opening of chloride ion channels through the receptor molecule. 	 d) Increased positive charge out side the postsynaptic cell.
	b) Increase in the conductance of potassium	e) Increased negative charge inside the
	ions through the receptor.	postsynaptic neurone.
	c) Opening of sodium channels into the interior of the postsynaptic cell.	
Q.44	You have seen a 25 years old patient who suffers haloperidol, which is dopamine antagonist. Which	
	neurotransmitter? a) Acetylcholine.	d) Glycine.
	b) Epinephrine.	e) 5HT.
	c) Nor epinephrine.	
Q.45	Resting membrane potential of the neuronal soma in spi a) + 35 millivolts.	inal cord is about: d) —35 millivolts.
	b) + 65 millivolts.	e) <u>—65 millivolts.</u>
	c) +95 millivolts.	
Q.46	In excitatory postsynaptic potential: a) There is no change in membrane potential.	d) Membrane potential becomes more
	b) Membrane potential becomes less positive.	negative.
	 c) Membrane potential becomes more positive. 	e) Membrane potential becomes less negative.
Q.47	In case of pre synaptic inhibition neurotransmitter invo	lved is usually:
	a) Dopamine.	d) GABA.
	b) Acetylcholine.c) 5HT.	e) Cytochrome p 450.
Q.48	When the summated post synaptic potential is excitate the threshold for excitation, neurone is said to be:	ory but has not risen high enough to reach
	a) Blocked.	d) Fired.
	b) Inhibited.c) <u>Facilitated.</u>	e) Disinhibited.
Q.49	You have seen a patient suffering from epilepsy. Epilep	
	Most likely mechanism explaining the short duration of a) Facilitation of synaptic transmission.	d) Disinhibition of synaptic transmission.
	b) Fatigue of synaptic transmission.	e) Blocking of synaptic transmission.
	c) Excitation of synaptic transmission.	

Q.50	You have seen a patient who is hyperventilating as a restant a) Increased neuronal excitability. b) Decreased neuronal excitability. c) Blocking of neuronal activity.	d)	of intense anxiety. It results in: No change in neuronal activity. Respiratory acidosis.
Q.51	When you administer ECT; thiopentone sodium is used a a) Decreased neuronal excitability. b) Increased neuronal excitability. c) Decrease in the convulsion threshold.	d)	n anaesthetic. It causes: Metabolic acidosis. Respiratory alkalosis.
Q.52	Synaptic delay is for: a) 0.05 milliseconds. b) 0.5 milliseconds. c) 5 milliseconds.	,	50 milliseconds. 500 milliseconds.
Q.53	Mechanoreceptors are found in: a) Retina. b) Internal ear. c) Skin.	-	Hypothalamus. Spinal cord.
Q.54	Maximum amplitude of most sensory receptor potential a) 0.1 millivolts. b) 1 millivolts. c) 10 millivolts.	d)	about 100 millivolts. 1000 millivolts.
Q.55	Receptors adapt at a different rate. Which type of sadaptation? a) Pacinian corpuscle. b) Mechano receptors. c) Visual receptors.	d)	sory receptors takes longest time for Auditory receptors. Pain receptors.
Q.56	You have seen a 65 years old patient who has preschange. If amyloid plaques are present in his brain, mosa) Addison's disease. b) Kluver Bucy syndrome. c) Wernicke's encephalopathy.	st li d)	
Q.57	Acetylcholine is metabolised by the enzyme a) Catachol O methyl transferase. b) Choline acetyl transferase. c) Monoamine oxidase.		Acetyl cholinesterase. Acetylcholine dehydrogenase.
Q.58	You have seen a patient with symptoms of episodic at have pheochromocytoma. In adrenal medulla 80% of ca a) Dopamine. b) Nor epinephrine. c) Epinephrine.	tec d)	
Q.59	In adrenal medulla, nor epinephrine is converted to epinal Hydroxylation. b) Methylation. c) Decarboxylation.	d)	hrine by the process of: Acetylation. Oxidation.
Q.60	You have prescribed procyclidine to a patient who de taking haloperidol. Postganglionic neurones of para syma) Muscrinic. b) Nicotinic. c) Alpha.	n pa d)	
Q.61	You have seen a patient complaining of anxiety. He suff thinking about prescribing b -blocker, Propranolol. Browhich receptor? a) Beta 2 b) Beta 1.	n ch d)	
Q.62	c) Alpha _{1.} Sympathetic fibres to most sweat glands are: a) Adrenergic. b) Cholinergic. c) Dopaminergic.	d)	Histaminergic. Serotonergic.

Q.63	You have seen a patient whose CT scan shows a tum secreted from posterior pituitary?		
	a) ACTH. b) FSH. c) LH.		ADH. MSH.
Q.64	You have seen a patient who has been diagnosed as he factor is secreted from hypothalamus to act on pituitary a) Oxytocine. b) Anti diuretic hormone. c) Leutinising hormone.	for d)	
Q.65	Neurotransmitter acting on the tubero infundibular syst a) Serotonine. b) Acetylcholine. c) Epinephrine.	d)	is: Nor epinephrine. Dopamine.
Q.66	You have been asked to develop a programme of tok suffering from schizophrenia. This is theoretically derive a) Cognitive learning. b) Operant conditioning. c) Classical conditioning.	e d f d)	
Q.67	You have seen a 45 years old male who has been constast several years. He suffers from Korsakoff's psychothis disorder is: a) Short term memory. b) Long-term memory. c) Digit span.	sis. d)	
Q.68	Which of the following is a secondary reinforcer?a) Food.b) Water.c) Money.	•	Sex. Alcohol.
Q.69	You want to decrease unwanted behaviour of an individunwanted behaviour? a) Positive reinforcement b) Negative reinforcement c) Intermittent reinforcement	d)	. Which of the following would decrease Punishment Partial reinforcement
Q.70	Language based memory is known as: a) Episodic memory. b) Perceptual memory. c) Encoded memory.	•	Confabulation. Semantic memory.
Q.71	A patient presents to you with history of needle phobia explained best by: a) Avoidance learning b) Observational learning c) Psychoanalysis	d)	Extinction. Mono amine theory.
Q.72	Thinking which is highly private and may use symbols water and by Divergent thinking. b) Autistic thinking. c) Concrete thinking.	d)	very personal meanings is known as: Abstract thinking. Directed thinking.
Q.73	According to Maslow's hierarchy of needs, lowest needs a) Self actualisation. b) Safety needs. c) Biological needs.	d)	rel is: Esteem needs. Love needs.
Q.74	Which theory states that felt emotion and bodily respona) Watson-Crick theory.b) Schachter-Singer theory.c) James-Lang theory.	d)	are independent events? <u>Cannon-Bard theory.</u> Yerkes-Dodson theory.
Q.75	Who did experiments using electric shocks to study the a) Bower. b) Caldwell. c) Miller.	d)	enomenon of obedience? Milner. Milgram.

Q.76	You have seen a child who is exhibiting features of animism, egocentricism, authoritarian morality and pre causal logic. According to Piaget's theory of cognitive development, what is the likely age of the child?		
	a) Less than 2 years.	d) 12 to 16 years.	
	b) <u>2 to 7 years.</u>	e) More than 16 years.	
	c) 7 to 12 years.		
Q.77	You have sent your patient to psychologist for assessment of intelligence. Result is in the form of percentile score. Which test has been most likely administered? a) WAIS. d) Stanford Binet test.		
	b) WISC.	e) Ravens progressive Matrices.	
	c) WISC-R.	, 	
Q.78	You sent a patient to psychologist for IQ assessment percentile. What does it mean? a) Patient is of average intelligence. b) Petient is mildly mentally retorded.	d) Patient is severely mentally retarded.	
	b) Patient is mildly mentally retarded.c) Patient is moderately mentally retarded.	e) Patient is profoundly mentally retarded.	
	c) Fatient is inoderately mentally retained.		
Q.79	You have sent a patient for IQ assessment. Report deviations of the mean. If mean is 100 what is the value	e for one standard deviation?	
	a) 5.	d) 20. e) 25.	
	b) 10. c) <u>15.</u>	e) 25.	
Q.80	You want to assess the personality of a patient. You h of the following is a projective test to assess personalit		
	a) MMPI.	d) <u>Thematic apperception test.</u>	
	b) Personality assessment schedule.	e) The 16 personality factor (16PF)	
	c) Maudsley personality inventory.	questionnaire.	
Q.81	You have received a report of assessment of personal introversion, extraversion and high or low neurotimentioning these characteristics? a) Eysenck. b) Freud. c) Schneider.		
Q.82	You have seen a patient suffering from obsessive comcomponent of personality is very strong?	pulsive disorder. According to Freud which	
	a) Ego.	d) Preconscious.	
	b) <u>Super ego.</u>	e) Unconscious.	
	c) ID.		
Q.83	We use the term inferiority complex in our daily life. W	ho coined this term initially?	
	a) Freud.	d) Horney.	
	b) Jung.	e) Schneider.	
	c) <u>Adler.</u>		
Q.84	Which of the following defence mechanism is most usef	ful considering its consequences:	
Q.64	a) Projection.	d) Sublimation.	
	b) Reaction formation.	e) Rationalisation.	
	c) Repression.	,	
	, ,		
Q.85	Which of the following defence mechanism is used in ps	sychosis	
	a) Rationalisation	d) Regression	
	b) Displacement	e) <u>Projection</u>	
	c) Intellectualisation		
Q.86	Following is a measure of central tendency		
Q.86	a) Mode.	d) Analysis of variance.	
	b) Standard deviation.	e) Range.	
	c) Variance.	e,ange.	
	,		
Q.87	You are planning a research to compare a new an hypothesis would be:		
	a) Anti depressant is better than placebo.	d) Results will be null and void.	
	b) There is no difference between	e) Results are statistically significant.	

antidepressant and placebo.c) Placebo is better than antidepressant.

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Q.88	You are planning a research and you want that every member of population should have an equal chance of being selected in the sample. This sampling is known as:		
	a) Stratified sampling.b) Snowball sampling.c) Random sampling.	,	Convenient sampling. Consecutive sampling.
	· -		
Q.89	You are doing a research on schizophrenia. For a chronia Incidence is more than prevalence.		Prevalence is more than incidence.
	b) Yearly inception rate is more than point	•	Incidence and prevalence are equal.
	prevalence.		
	c) Prevalence means number of new cases.		
Q.90	If p value is less than 5% it means		N. H
	a) Results are statistically significant.b) Results are clinically significant.	•	Null hypothesis is true. Results are not valid.
	c) There is type I error.	c)	Results are not valid.
Q.91	You have referred a patient for counseling. It is best pr	acti	ce:
	a) To avoid giving direct advice to clients.		That clinical psychologist should do it.
	b) To write down everything discussed.	e)	To have sessions every week.
	c) To take the fee before the session.		
Q.92	You should take consent from the patient before tr principle of:	eati	ment. This is according to the ethical
	a) Justice.	d)	Honesty.
	b) Autonomy.		Humility.
	c) Good Samaritan.		
Q.93	Confidentiality may be broken in following circumstance		
	a) Patient refuses to pay the fee.		Relatives request for it.
	 b) Head of your department orders you to do it. 	,	Patient has died. Court orders you to do it.
0.04		•	
Q.94	When patient does not have the capacity to decide about a) Ask for second opinion.		Work in the best interest of the patient.
	b) Not treat the patient.		Seek permission from relatives.
	c) Refer the patient to some one else.		
Q.95	Following is a relatively culture free IQ test:		
	a) WAIS.	,	Stanford Binet test.
	b) WISC.c) Ravens progressive Matrices.	e)	Mini mental state.
	, -		
Q.96	A young woman of Azad Kashmir is in psychologi earthquake. One of her distant uncles has also been killin a state of:		
	a) Developmental crisis.	d)	Economic crisis.
	b) <u>Situational crisis.</u>	e)	Social crisis.
	c) Family crisis.	_	
Q.97	An 18 years old girl with a dissociative (hysterical) dis days later she insists on repeated examination by a developed a state called:		
	a) Rapport.		<u>Transference.</u>
	b) Dependence.	e)	Learning.
0.00	c) Confidence.	1_	d boostan areas and boostan Andrew basins and
Q.98	After physical examination and investigation a 42 years advanced carcinoma of liver. After 2 hours the doctor or relaxed and happy. The patient is most likely exhibiting	on h	
	a) Strong nerves.	,	Tolerance.
	b) Patience.c) <u>Denial.</u>	e)	Hiding the anxiety consciously.
Q.99	A 20 years old girl presents to a doctor with amnesia.	Sho	has failed in recent evamination. There
4.77	is no organic cause for amnesia. She probably has:	3116	mas raneu in recent examination. There
	a) Fear.	,	Shock.
	b) Confusion.	e)	<u>Dissociation.</u>
	c) Frustration.		
Q.100	The most stressful event for a 55 years old government		
	a) <u>Death of spouse.</u>b) Retirement.		Marriage of his son. Accidental injury.
	c) Robbery at home.	رد	· · · · · · · · · · · · · · · · · · ·