PAPER LUVE D Exam Roll No .:\_ KHYBER MEDICAL UNIVERSITY, PESHAWAR PAPER CODE **FOURTH PROFESSIONAL MBBS ANNUAL EXAMINATION 2023** Name: BLOCK J (NEUROSCIENCES - 2) Time Allowed: 120 min. Note: • Attempt all questions. Select the best answer from given choices. Handover response sheet along with question paper after attempting Use BLUE / BLACK ink only. Do not use RED Color. Filling of more than one option shall not be considered. Possession of mobile phone and other electronic accessories are strictly prohibited. 1. A 80 year old female suddenly developed right sided weakness. On examination her BP was normal. Her ECG showed atrial fibrillation. CT scan showed multiple infarcts. What is the most likely cause of stroke in this patient? a. Arteriosclerosis 1 b-Embolism c. Hemorrhage d. Thrombosis e. Vasculitis A 32 year old male presented with headache, malaise, mental confusion and vomiting. A diagnosis of Meningitis was suspected and Lumbar puncture was performed. CSF examination shows pleocytosis made up of mononuclear cells, an elevated protein concentration with normal glucose level. What is most likely diagnosis? a. Bacterial Meningitis b. Fungal Meningitis c. Protozoal Meningitis d. Tuberculous Meningitis ve. Viral Meningitis An army officer slowly developed behavioural changes and was not responding to anti psychotic drugs and symptoms were detoriating and also developed chorea and dementia. What is your most likely diagnosis? b. Huntingtun Disease c. Motor Neuron Disease d. Parkinson Disease e. Prion Disease 4. A 32 years old male suddenly developed seizures and loss of consciousness. CT scan shows a space occupying lesion in the parietel lobe. The tumor was biopsied and showed geographic necrosis with peripheral palisading. What is the most likely diagnosis? a. Diffuse Astrocytoma C. Glioblastoma multiforme b. Ependymoma d. Meningioma e. Oligodendroglioma 5. A 39 year old female presented with lower limb weakness which was progressive in nature. MRI showed Dural based mass with the lumbar region. On microscopic examination the tumour was composed of spindle cells arranged in whorls. At foci psammoma bodies were also seen. What is your diagnosis? a. Ependymoma e. Oligodendroglioma Lc. Meningioma d. Medulloblastoma b. Glioblastoma multiforme 6. Myasthenia gravis is a chronic autoimmune disorder in which antibodies destroy the communication between a. Nerve and bone C. Nerves and muscle b. Neuron and axon d. Oligodendrocyte and astrocytes e. Astrocytes and Schwann cells 7. Which type of infarction will occur in brain tissue after thrombotic occlusion of the superior sagittal sinus? c. Septic infarction d. White (Non hemorrhagic) infarction a. Bland infarction b. Fibrotic infarction e. Red (Hemorrhagic) infarction 8. A 27-year old patient displays ataxia when asked to walk across the examination room. You ask him to stand still with his eyes closed and note marked swaying back and forth. When he opens his eyes the swaying persists. Vibration sense is normal on all four limbs. Given the clinical picture in this case, such ataxia is likely due to damage to which of the following structures? b. Cerebral peduncles c. Posterior limb of the internal capsule a. Dorsal columns 1 e Cerebellum d. Ventral horns of the spinal cord 9. Your patient is a 14-year-old girl who was sent home from school because she had mild fever, severe headache, and was falling asleep in class. A day later her fever started rising, her mother took her to the emergency room, where blood pressure was recorded to be 60/40 mm Hg and several petechial hemorrhages were found. She was diagnosed with Waterhouse Friderichsen Syndrome. Which out of the following is most likely cause? b. Listeria monocytogenes Le. Neisseria meningitidis a. Haemophilus influenza d. Streptococcus pneumoniae e. Streptococcus agalactiae 10. A 5-days-old baby boy was delivered by caesarean section after prolonged labor. On fifth day he was brought to the

emergency with high grade fever. Examination revealed that nuchal rigidity was positive. He was diagnosed with meningitis, based on CSF findings showing Gram positive cocci in chains. Blochemical tests revealed it to be Streptococcus agalactiae. Based on the scenario, from where would have the child acquired the disease?

e. None of the above a. Colonized birth canal b. Feco-oral route c. Mosquito bite d. Own normal flora 11. A 28-year-old male was admitted with history of seizure preceded by fever and altered mental status associated with severe headache for the past one day. CT scan revealed multiple nodular lesions. There was no history of owning a pet or coming in contact with any other animals. He was suspected to be a case of Cerebral toxoplasmosis. Which out of the following is the most likely mode of transmission?

c. Pseudocysts in meat d. Tsetse fly bite Lb. Oocysts in cat feces a. Mosquito bite 12. A 40 years old male patient is suffering from rabies after dog bite one month back. He has difficulty in drinking water and

dyspnea. What pathological changes would you expect in the basal ganglia of this patient?

e. Vesicular nuclei d. Nissl substance C. Negri bodies b. Lewy bodies 13. A young lady is suffering from left cerebral hemisphere tumor on CT scan examination. The tumor is dural based and Shifting

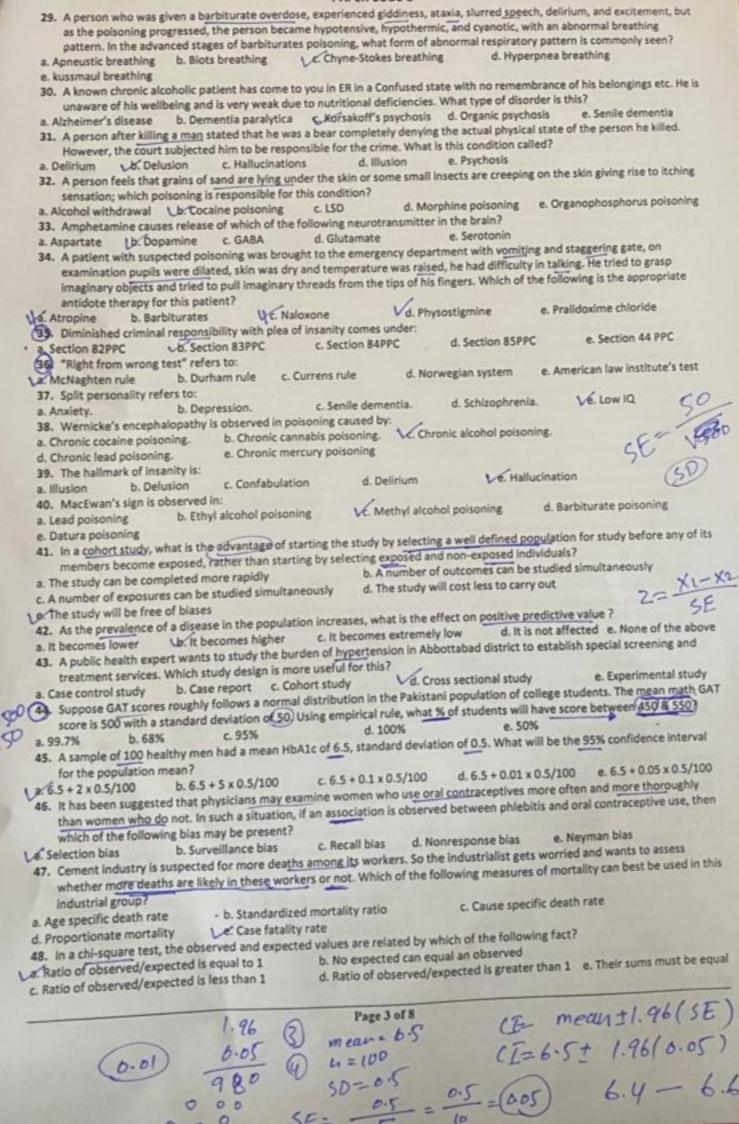
of the ventricle to one side. Which one is the most relevant diagnosis? c. Primary germ cell tumor b. Neurofibromatosis

d. Tuberous sclerosis

Va. Meningioma e. Von-hipple lindau disease

# PAPER CODE B

<ol> <li>A 35 years lady is suffering from space occupying lesion cerebral hemisphere. The Histopathologist reported this</li> </ol>	in the brain. On CT scan examination scase as pilocytic astrocytoma. Which	there is a tumor in the right of the following microscopic
features are diagnostic of this condition?		
a. Cowdry bodies b. Negri bodies c. Neurofibrillar	y tangles d. Neuronal plaqu	ies . Rosenthal fibers
<ol> <li>A 70-year-old man presents with loss of memory for rec been unable to manage his personal finances. Also, he had</li> </ol>	ent events. He has forgotten his grants lost his way while driving to famili	ar locations. Which of the
following is the most likely diagnosis?  Va. Alzheimer disease b. Amyotrophic lateral sclerosis	a	d. Huntington disease
Va. Alzheimer disease b. Amyotrophic lateral sclerosis e. Parkinson disease	c. Creutzfeldt-Jacob disease	G. Harrington Sassas
16. A 6 months old baby was brought to neurosurgeon with		ss and vomiting. Baby's head
was irregularly large. MRI revealed a tumor near fourth neoplasm with sheet-like growth pattern. The tumor ce	ventricle. Post surgical histology reve lls were frequently arranged around	aled well-circumscribed cellular
perivascular pseudorosettes. Which tumor do you suspe a. Chroid plexus carcinoma b. Craniophyrngioma		a e. Pineoblastoma
a. Chroid plexus carcinoma     b. Craniophyrngioma     17. A 45 year old man suddenly developed severe headache showed rupture of arteriovenous aneurysm. What is the	followed by neurologic deterioratio	n and unconsciousness. CT scan
a. Cerebellum b. Epidural space c. Subdural space	e M. Subarachnoid space	e. Intraparenchymal region
<ol> <li>A 15-year-old boy presented with tinnitus and hearing le biopsy, microscopically the tumor showed cellular areas</li> </ol>	oss. On CT scan a tumor was found a	t cerebellopontine angle. On intersecting fascicles and
hypocellular areas having myxoid extracellular matrix. V	Vhat is the most likely diagnosis?	
a. Dermatofibroma	tumor c. Neurofibroma Ld. Sci	hwannoma e. Triton tumor examination she has nuchal
rigidity and blood pressure of 118/81 mmHg. CSF shows	numerous RBCs, no neutrophils, a fo	ew mononuclear cells and a
normal glucose level. CT imaging shows sub arachnoid h	emorrhage at the base of the brain.	Which of the following vascular
events has most likely occurred in this women?		
	atoma formation from arterioloscler	rosis
	ture of an intracranial berry aneuryst	m
e. Tear of subdural bridging vein		
(20) A 67-year-old male with a 70-pack-per-year smoking his	tory and hypertension is eating dinn	er with friends when he suddenly
begins to speak in incomplete sentences and with notice	eable pauses between small groups	of words. He is brought to the
emergency room. During his subsequent hospital admis		ed 24 hours after his arrival at the
emergency room. Of the following, which is most likely		
	emic injury in the superior right fron	
	emic injury in the inferior left frontal	llobe
e. Ischemic injury in the inferior right frontal lobe		
21. A 27-year-old male is partying with friends and snorts co	ocaine. Shortly thereafter, he become	nes unresponsive on the couch.
Fortunately, his friends bring him to emergency within r	ninutes. Resuscitation is begun, but	a pulse is not restored until they
arrive at the emergency room, approximately 20 minute	es after ne went unresponsive. He d	oes not regain consciousness. One
day later, he is pronounced brain dead. An autopsy is pe	erformed by a forensic pathologist.	Of the following, which change
would be identified in the hippocampus.	4.00-00-00-00-00-00-00-00-00-00-00-00-00-	
a. Gliosis Lb. Red neurons c. Neurofibrillar		
22. A 45-year-old man with AIDS is admitted to the hospital	with a productive cough, fever, an	d night sweats. An X-ray fi Im of the
chest shows an ill-defined area of consolidation at the p	eriphery of the right middle lobe ar	nd mediastinal lymphadenopathy.
A sputum culture grows acid-fast bacilli. The patient dev		gidity. Which of the following
pathogens is the most likely cause of meningitis in this p		
a. Aspergillus flavus b. Cryptococcus neoformans	c. Mycobacterium tuberculosis	d. Neisseria meningitidis
Ve. Toxoplasma gondii		
23. A poison which causes excitement and then narcosis is	cnown as:	
a. Inebriant Vb. Somniferous Vc. Narcotic	d. Hypnotic	e. Sedative
24. The duration for detention for the purpose of assessme	nt of mental illness, in KPK mental	health Act, 2017 is:
a. 21 days Lb. 28 days c. 3 months	d. 4 month	e. 6 month
25. A patient of snake bite poisoning is brought to emergen	cy department. On examination, th	he patient has 2 bite marks and
having ptosis, paralysis of extra ocular muscles and conv	vulsions. The bite is most probably	by a:
La. Cobra b. Karate c. Pit viper	d. Non pit viper	e. Sea snake
26. The frenzied state Run Amok is the result of:		
Drug Induced Psychosis b. Epileptic Psychosis	c. Psychosis due to General Dise	ase
d. Psychosis due to Pregnancy e. Psychosis due to Traur		
27. Ultrashort Acting Barbiturates after intravenous adminis	stration are quickly redistributed a	nd on chemical analysis are more
	4	
likely to be detected in:	d. Muscles e. Ski	0
a. Bile b. Body fat c. Bone		
28. State of Involutional Melancholia consisting of statement etc", refers to:	,	
a. Confabulation b. Hypochondriacal Delusion	c. Illusions Ld. Nihilistic De	lusions e. Tactile Hallucination



# PAPER CODE B

			- destantas a elli	oleal trial in	order to:-	1	founding
49. F	andomization is th	ne best approach i	n designing a cil	hiliru	c. Achieve blinding	vd. Limit c	onfounding
e. Lin	nieve predictability nit blinding	D. Ach	ieve unpredicta	I moone we	ohtain p = 0.0256, wh	ich of the follo	wing statement about
50. 1	, after performing	a student t test to	or comparison o	means, we	ODIAL P		e. We accept H1
a. We	accept Ho	b. We cannot o	ovimately 75% o	f rases of lu	and accept H1 d. ng cancer are due to c	igarette smokii	ng. Which of the
51. 5	ollowing measure	le le 2	Donnately 1374		-		innete mortality ratio
	DISTORAGE STREET	b. An attributal			d. A prevalence risk	e. A proport	tionate mortality ratio
0 (52)	$\alpha = 0.05$ , what is	the value of left-ta					
2 1 9	6 16-19	6 c+1	645	d1.64	5 e. 2.33		
33 I	he level of signific	ance is the maxim	um probability	of committin	g which of the following	ng?	
a. Typ	e I error b. Typ	e II error	с. В.	d. µ	ve. None of	the above	survival in patients
54. A	new combined ch	lanoma. If widely	immunotherapy implemented,	regimen ha which of the	s been shown to signifollowing changes in a	disease occurre	ence measures would
y	ou most expect?	-					
	dence increases,	prevalence decrea	ses b. Ir	ncidence dec	reases, prevalence de	creases	
	dence increases, p				es not change, prevale	nce increases	
e. Inc	idence does not ch	hanges, prevalenc	e does not chan	ge		facts are come	ared for their
a	cetaminophen cor	nsumption during	the first trimes	n with and wer of pregna	without neural tube de incy. Which of the fo	llowing measu	res of association is most
16	kely to be reporte	d by investigators			- Vá nade rat	in	e. Hazard ratio
	valence ratio	b. Median sur	- 4 6	ncidence rati	91 +ill July 2002 while	50.000 soldier	rs who served elsewhere
d	uring the same pe	eriod were also ob	served for the o	occurrence o	Cancers. Wilde is the	- Pinderina	-
-	cenario?	· Vanhand atund	u e Cenes sart	ional study	d. Quasi experimen	tal study e. l	Randomized control trial
a. Cas	e control study	DB. Conort stud	als to establish	the relation	ship between high cof	fee consumption	on and gastritis. The
C	orrelation coeffici ere is no association	ent computed for	the two param	eters was "r	= 0.829. What does t	his show?	
a. The	two parameters	are directly correl	lated, and the a	ssociation is	strong		
c The	two narameters	are directly correl	ated, and the as	ssociation is	weak		
d The	two parameters	are inversely corr	elated, and the	association	s strong		
		Incomments and	and had satela	accordation i	S Weak		
	THE RESERVE OF THE PARTY OF THE		Lakaronina tha n	sast commo	n age of patients with	colorectal can	cer that was found to be
50. 6	8 years. The resea	rchers published	the data granhi	cally. What i	would be the most like	EIA THIRDE OF THE	3 HEROEIT AUTHORIUM
-		h Die	andal s	Jegatively 58	ewed a Positive	sy skewed	e. attaignt mile
			he Blood hemos	lobin levels	of school going childre	en and compar	e it with normal
	A. S. L. Barrisla	The negulation s	tandard deviation	on is not kno	wn aithough data roii	OWS HOTHING	stribution. For obtaining
p	value to see any	ensticated significa	ance, which of t	he following	statistical test will be	applieur	
1000		L A remale	mairad t.tast	1 c One	sample unpaired t-ti	est u. iwu	sample t test e. Z test
		ban and 150 rura	women were r	andomly sur	rveyed and asked abo	their practic	e of contraception in
ri	lation to education	on level. The data	obtained is sur	nmarized in	the following table. V	vnat will be the	e most appropriate test to
a	cept or reject the	null hypothesis i	in this case?				
Gende	er High school	Bachelors	Masters	Total			
Urban		60	50	160			
Rural	120	20	10	150			
Total	170	80	60	310	- I a a see of Ball	and complete	. 7100
La. Chi	square test b	. Correlation coef	ficient c. Ind	ependent sa	imple t-test d. Pali	red sample t-te	est e. Z test
61. In	stratified sampling	ng after identifyin ple?					an be used to include
		wanlanca	c. Purposive	Ld. Sin	aple random	e. Multistage	25th and 75th
62. A	growth chart was	displayed to trai this statistical te	rm known as?				tween 25th and 75th
		a to Manage manager	La esman	c. Per	centile d. Standa	ard deviation	e. Variance
63. C	rude rates are eas	y to calculate and	d consist of cru				be the denominator for
a Die	h rates minus dea	th rates Vo. Mi	d-year populat	ion c. Nu	mber of live births in	area d. Po	pulation at risk
d. Birt	al births (Live + st	ill) in the area		Some	The same of the same of	The second	had accurred after
e. 100	an outhreak of fo	ood poisoning in	a union council	of 3500 pop	oulation, 30 cases of f	ood poisoning	nad occurred sites
64. 10	tanding a weddin	g ceremony with	6 deaths, wille	r 13 file con-	Andrew Company of the	enario?	7
		6 c. 30	% d.	40%	e. 50%		15 X109
a. 10%	50.20						19/10/
							1 2 A

### PAPER LUDE B

65. For the prevention of stroke, a researcher wants to find out undiagnosed cases of hypertension in a community by applying screening test and keeps the cut off point as 100/60. What will be the effect on the outcome of screening test? a. Sensitivity increases and specificity decreases bensitivity decreases and specificity increases d. Sensitivity and specificity both will decrease c. Sensitivity and specificity both will increase e. Sensitivity and specificity will remain same 66. A researcher is interested in recording the number of individuals in a particular geographic region who had a common cold at some point during the month of February 2015. Which of the following measures of morbidity would be the most appropriate in answering this question? ve. Point Prevalence c. Incidence risk d. Period prevalence a. Cumulative Incidence b. Incidence Density 67. In analytical studies we develop association between risk factors and a disease. Which of the following in case control studies ascertains whether there is an association between exposure status and occurrence of disease? e. Relative Risk c. Population attributable risk d. p-value Lb. Odds ratio 68. If the research study is based on a socially unacceptable topic then which one is a preferable method of data collection? b. Interviews C. Mailed questionnaires d. Questionnaires by interviewer e. Telephone call a. Group discussion 69. A researcher conducted a study determining the cause effect relationship between COPD and silica dust. He found that it is more common in miners. What type of variable is occupation in this study? a. Confounding variable b. Dependent variable La Independent variable d. Outcome variable 70. A 40-years-old female presented with one year history of "on and off" blurring of vision on hot summer days. Now she is complaining of pins and needle sensations in the right hand and weakness of the left leg for the past 03 days. What is the most likely diagnosis? e. Cervical Cord myelopathy d. Transverse Myelitis c. Pituitary tumor a. Ischemic Stroke Lb. Multiple Sclerosis 71. 40 year of age female admitted in neurology ICU with complaints of acute onset all limb weakness and with areflexia and unable to maintain saturation. Her respiratory rate was 55 per minute and with severe type 1 respiratory failure. Her urgent nerve conduction study was suggestive of acute sensory motor polyneuropathy. What is next best step of management plan to be taken? a. Plasmaparesis with mechanical ventilation & iv steroid c. iv antibiotic. d. Observation for next 24 hours e. None 72. A 75 year of age male patient presented with a 5 year history of gradual onset slowly progressive decline in the memory. He is now unable to recall simple names and often cant remember his home address. He is diagnose to be a case of dementia secondary to Alzheimer disease. Presence of which of the following histopathological findings in the brain will confirm this disease? Vd. Plaques and tingles c. Rupture blood vessels b. Tumor a. Cholesterol (73.) A 35 year of age female patient presented to the emergency department with a 1 day history of road traffic accident with hemi section of the cord at thoracic D12 level. Patient was diagnose to be a case of brown sequard syndrome. This disease has all the following findings except? b. Ipsilateral pyramidal tract involvement a. Ipsilateral extensor planter response. Contralateral spinothalamic tract involvement d. Contralateral posterior column involvement 74. 60 year of age male patient presented to the neurology OPD with new acute onset very severe headache associated with severe nausea vomiting and photophobia. His neck stiffness was positive with pulse of 80/minute and blood pressure of (180/90. Which investigation needs to be considered first for urgent diagnosis of the underlying cause? e. Ultrasound Uc. CSF routine analysis d. EEG brain La. CT brain. b. MRI brain 75. A 19-year-old female student living in college hostel presented to ER with 1 day history of fever and headache. On physical examination, her temperature was 39.1 Degree Celsius and her heart rate was 124/min. She was toxic. She had neck stiffness and there were small, purple and non-blanching petechiae on both her legs. Lumbar puncture showed elevated opening pressure, elevated protein, pleocytosis and low glucose. What is the likely diagnosis? c. Subarachnoid hemorrhage d. Tuberculous meningitis b. Meningococcal meningitis a. Fungal meningitis e. Viral Encephalitis 76. An 8 years old boy was brought by his family for episodes of mental disconnection but no involuntary movements. These episodes occurred briefly for a few seconds and increased in severity with the passage of time. What is the diagnosis? c. Metabolic encephalopathy d. Grand mal epilepsy a. Psychogenic attacks b. Absence seizures e. Transient ischemic attacks 77. A 23-years-old female was brought by her brother to medical emergency with lower limbs weakness for last 3 days. She had also pain and numbness in lower limbs. She was also complaining of retention of urine for last 1 day. She gave no history of fever or any other illness in past 1 month. Her upper limbs were completely normal. Clinical examination showed signs of upper motor neuron lesion in lower limbs and sensory level at T4. What is the most probable diagnosis? e. Transverse myelitis c. Poliomyelitis d. Pott's Disease a. Guillen Barre syndrome b. Multiple sclerosis 78. Parkinson's disease is primarily characterized by degeneration of neurons in the e. Corpus callosum d. Thalamus c. Cerebellum Lb. Substantia nigra a. Hippocampus 79. Caries spine is caused by bacterium Lc. Mycobacterium Tuberculosis a. Streptococcus Pneumoniae b. Neisseria meningitis d. Mycoplasma Pneumonia e. E-Coli 80. What is the most common initial symptom of Gillian Barre Syndrome? d. Hearing loss e. Muscle wasting C. Ascending muscle weakness b. Muscle rigidity a. Visual disturbances

- 81. 32 year old male with history of recent initiation of antipsychotic drugs presented to emergency with sudden sustained muscle spasm of peck muscles. muscle spasm of neck muscles resulting in abnormal posturing of the head. Which of the following is the most likely cause of the symptoms:
- c. Neuroleptic malignant syndrome a. Tardive dyskinesia b. Serotonin syndrome

d. Acute dystonia

82. 28-year-old woman presents with persistent sadness, feelings of hopelessness, and difficulty bonding with her newborn. After ruling out medical course ruling out medical causes, you suspect postpartum depression. What is the most appropriate management strategy for this patient? patient?

a. Immediate psychiatric hospitalization

b. Counseling and psychotherapy V. Selective serotonin reuptake inhibitors (SSRIs)

d. Electroconvulsive therapy (ECT)

e. Dietary supplements and herbal remedies

83. A 35-year-old patient presents with persistent and excessive worry about having a serious medical condition, despite thorough medical condition. thorough medical evaluations consistently showing no evidence of such conditions. The patient often seeks reassurance from healthcare professionals and seeks reassurance from healthcare professionals and frequently visits various specialists. Which of the following is the most appropriate diagnostic criterion for hypochondriasis in this scenario?

a. Presence of physical symptoms without medical explanation

b. Fear of having a serious medical condition based on misinterpretation of bodily symptoms

c. History of multiple unexplained medical consultations

Persistent belief in the presence of a specific serious illness despite medical reassurance

e. Frequent use of online health forums for self-diagnosis and validation

- 84. In a psychiatric evaluation a 17 year old female with significant weight loss, intense fear of weight gain and distorted body image. She admits restricting food intake and engaging in excessive exercise. She also experiences amenorrhea. Which of the following is MOST indicative of Anorexia nervosa:
- a. Body mass index below 18.5 b. Intense fear of gaining weight. c. Excessive exercise

d. Distorted body image e. Amenorrhea

(85) In a complex clinical scenario suggestive of Conversion Disorder, which diagnostic feature is most likely to be observed?

a. Elevated inflammatory markers

- → B. Positive findings on electroencephalogram (EEG)
  - c. Inconsistencies between reported symptoms and objective clinical findings
  - d. Abnormalities in cerebrospinal fluid (CSF) analysis
  - e. Presence of specific genetic markers associated with neurological disorders
  - 86. A 28-year-old woman presents with a history of panic attacks and avoidance of certain situations. She describes intense fear, rapid heartbeat, sweating, and trembling when she thinks about leaving her home or being in crowded places. She often avoids going to the grocery store or taking public transportation. These symptoms have been ongoing for six months and are significantly impacting her daily life. What is the most likely diagnosis for this patient's condition?
- a. Social Anxiety Disorder
- b. Panic Disorder

C. Generalized Anxiety Disorder

d. Agoraphobia

- e. Obsessive-Compulsive Disorder
- 87. A 30-year-old woman presents with sudden-onset paralysis of her right arm. She reports no history of trauma, and her medical history is unremarkable. Neurological examination reveals inconsistent findings, and there is a lack of appropriate response to sensory stimulation. The patient seems relatively unconcerned about her condition. MRI and other imaging studies show no structural abnormalities. Which of the following is the most likely diagnosis?
- a. Conversion Disorder
- b. Multiple Sclerosis
- c. Stroke
- d. Peripheral Nerve Injury
- e. Myasthenia Gravis
- 88. A 32-year-old patient presents with persistent low mood, loss of interest, and decreased energy for the past six months. They report feelings of worthlessness and difficulty concentrating. Despite supportive interventions, the symptoms persist. Which factor is most indicative of a poorer prognosis in this case?
- a. Age of onset

- b. Family history of depression
- c. Response to initial treatment

- Ld. Comorbid medical conditions
  - e. Occupational stressors
- 89. A 35 years male has presented with complaints of weeping spells, decreased energy, fatigue, decreased confidence, and lack of sleep for the past 20 days. He is having
- a. Anxiety disorder
- Lb. Depression
- c. Depression with psychotic features
- d. Mixed anxiety and depression

- e. Obsessive-compulsive disorder
- 90. A 20 years old male presented to you in emergency with history of loss of consciousness for 5 mint after RTA, then regain consciousness and after one hour he become unconscious and his right pupil is dilated. What is the diagnosis? c. Intra parenchymal hematoma
- a. Chronic sub-dural hematoma b. Extradural hematoma d. Subdural hematoma
  - e. Subarachnoid hemorhage
- 91. A one-month-old child presented to you in emergency with history of large head circumference with vomiting. On examination there is shiny skin and dilated veins on scalp and also has sun setting eye. What is your first line of investigation.
- Va. BLI, S
- c. CT Brain
- d. MRI brain
- e. None
- 92. An 8 days old neonate was brought to the Nursery with complaints of poor feeding and fever for the last 2 days and fits for 1 day. Birth history was not significant. On examination, the baby was febrile and has bulging anterior fontanelle. You suspect him as a case of meningitis. What is the most common organisms for it in this age group?
- a. E. Coli b. Streptococcus viridians c. Staph. Aureus
- d. Listeria Monocytogenes
- e. Salmonella Paratyphi

PAPER LUVE D 93. An 11 years old girl presented to OPD with fever, headache for 4 days and vomiting for the last 2 days. On examination she is febrile, ill looking and has got positive signs of meningeal irritation. Which one of the following investigations will help you in making the definitive diagnosis? a. Complete Blood Count. C. Lumbar Puncture d. C-Reactive Protein b. C.T Brain e. Serum Electrolytes. 94. A mother brings her 12 years old boy to you. She is concerned that her child is very clumsy and tends to trip a lot. On examination, the child has stork like legs and palpable nerves. Which investigation would establish the definitive diagnosis in a. Electromyography b. Nerve Conduction Studies c. Muscle Biopsy d. Sural Nerve Biopsy e. Creatinine Kinase 95. A 9-year-old boy begins to have difficulty walking. His condition gradually worsens, and his difficulties with coordination slowly spread to his arms and trunk. Physical examination is notable for an ataxic gait and nystagmus. Friedreich's ataxia is suspected. What is the genetic mode of inheritance on this disease? a. Autosomal Dominant b. Autosomal Recessive c. X-Linked Dominant d. X-Linked Recessive Le. Mitochondrial Inheritance. 96. A 13 years old girl presented with fever and headache for the last 20 days. She is an unvaccinated child. Her grandfather has been taking medication for the last 2 months for some lung disease. On examination, she is ill looking, drowsy, febrile and neck stiffness is positive. What is the most likely diagnosis? Va. Acute Bacterial Meningitis b. Viral Meningitis c. Tuberculous Meningitis d. Benign Intracranial Hypertension e. Brain Tumor. 97. Patient who had received epidural catheter for her labour, is brought into OR with ruptured uterus. Your plan of anesthesia? a. Top up the catheter. b. Give GA c. Combine spinal epidural. Ld. Single shot spinal. e. Local Anesthesia 98. The most important historical predictor of perioperative cardiac morbidity in patient undergoing non cardiac surgery is: b. Diabetes mellitus C. Hypertension d. Recent myocardial infarction. e. Stable angina. 99. Which of the following is correct about drug succinylcholine b. Anti cholinesterase Depolarising d. Non Depolarising e. Sedative 100.A 6year old child was brought to the emergency room who while playing in the street at night was bitten on his forearm and face by a known rabid dog. The bite was category III type as classified by World Health Organization (WHO). Which of the following human diploid cell culture intramuscular dosage schedule would you follow? a. 0, 1, 3, 7, 14 day b. 0, 3, 5, 7, 14 day c. 0, 3, 7, 9, 14 day \d. 0, 3, 7, 14, 28 day e. 0, 7, 14, 28, 60 day 101. Which statement about phenytoin is most accurate? a. Displaces sulfonamides from plasma proteins b. Drug of choice in myoclonic seizures c. Half-life is increased if used with phenobarbital d. Isoniazid (INH) decreases steady-state blood levels of phenytoin e. Toxic effects may occur with only small increments in dose 102. Which drug is a full agonist at opioid receptors with analgesic activity equivalent to morphine, has a longer duration of action, and fewer withdrawal signs on abrupt discontinuance than morphine? c. Methadone b. Hydromorphone d. Nalbuphine 103. General Anesthetics are used for major and minor surgical procedures. The inhalational anaesthetic with the fastest onset of action is: d. Nitrous oxide a. Enflurane c. Methoxyflurane b. Isoflurane 104. An eight years old boy needs inhalational anaesthesia for induction of anaesthesia. Which of the following will be a good choice? e. Nitrous oxide b. Sevoflurane c. Desflurane a. Methoxyflurane d. Isoflurane 105. Regarding adverse effects of local anaesthetic agents, which of the following is most cardiotoxic and should be avoided in patients suffering from underlying cardiac diseases? Ve. Bupivacaine a. Mepivacaine b. Lidocaine c. Prilocaine d. Tetracaine injuries received in a fall. She says she has been drinking heavily and almost continuously for 2 weeks, and she wants to stop. Which of the following drugs would most effectively and safely lessen the intensity of her withdrawal syndrome? b. Chlordiazepoxide c. Chloral hydrate d. Midazolam e. Zolpidem minimizing the adverse effects. Which of the following is an ergot derivative with agonist activity at Dopamine D1 & D2 b. Amantadine c. Pergolide d. Selegiline e. Trihexyphenidyl

106.A 33-year-old woman has a 15-year history of alcohol abuse. She comes to the emergency department for treatment of

a. Buspirone

107. New and novel drugs have revolutionized the treatment of Parkinson's Disease that aim to increase the efficacy while receptors mainly in the CNS?

La Levodopa

108.A 50-year-old male patient with a history of obsessive-compulsive disorder was prescribed MAO Inhibitor by his psychiatrist. Which of the following class of drugs might be having a potential interaction in this case?

a. Beta-blockers b. Calcium channel blockers c. Diuretics

d. Nonsteroidal anti-inflammatory drugs (NSAIDs) e. Selective serotonin reuptake inhibitors (SSRIs)

109.A 30-year-old male patient is diagnosed with major depressive disorder and is prescribed amitriptyline. He takes the medication as prescribed for several weeks and report improvement in his mood and energy levels. What is the mechanism of action of amitriptyline in treating depression?

a. It inhibits the breakdown of acetylcholine

c. It increases the production of Dopamine

b. It blocks the receptor sites of dopamine

d. It inhibits the reuptake of serotonin and norepinephrine

e. It increases the production of serotonin

# PAPER CODE B

110.A 37-y	ear-old man with peridol-induced Park	sychosis has b	peen treated with	naloperidol. H	le has been dev	veloping Parkit f the following	tracts?
a. Mesocor	tical tract	Mesolimbic tra	ne is a result of na	triatal tract	d Reticulo	spinal tract	
	fundibular tract	viesolimbic tra	act C. Nigros	triatai tract	G. Helicolo	41	
111.A 38-v	ear-old heroin addi	ct was determ	sined to quit the h	ahit and was	admitted to a d	etoxification of	clinic. After physical
examin	ation and laborato	ry tests treat	ment was started	Sublingual ac	Iministration of	f which of the	following drugs would be
most a	ppropriate for this	natient?	ment was started.	Submigue of			
La. Buprenor			c. Diazepam	d. N	altrexone	e. Phe	nobarbital
			ame pregnant. Sh			an oral contra	ceptive medication for
several	years. Three mont	hs earlier, she	was diagnosed w	ith complex o	artial seizures	and started th	e prescribed therapy.
Which	of the following dre	igs was she m	ost likely taking?	ici compica p	an electronic de la constante	Maria Carlo	
La. Carbamez		lonazepam	c. Gabap	entin	d. Lamotrij	gine	e. Valproic Acid
113.Which o	one of the followin		oines has some an	tidenressant	properties?		
Va. Alprazolar	n b. D	iazepam	c. Loraze		d. Nitrazep	nam	e. Temazepam
114.A 29 yea							ism like symptoms. Which
of the fo	ollowing drugs wou	ld be a good	choice in this case	?	doi presentes .		
a. Levodopa	b. Be	enserazide	Vc. Benzh	exol	d. Selegilin	e	e. Bromocriptene
115.Which o	f the following dru		es would be a goo	d choice for t	he long term m	anagement of	
a. Phenothia	zines b. Ar	ripiprazole		diazepines	d. Beta blo		e. SSRIs
good cho	dministers nalbupl pice?	nine to him fo	or the pain. Why th	ne administra	tion of nalbuph	ine to this pat	de accident. The house tient is not considered a
a. Naibupnine	e is a strong u rece	ptor agonist			e is a weaker an		
e. Wasadilatia	may precipitate a	withdrawal:	state	d. The patient	t is probably cro	oss tolerant to	nalbuphine
e. vasodilatin	g effects of nalbur	onine may inc	rease blood loss		-		
117. Which or	e of the following	is a major lin	nitation in the use				
	nce of extra pyran			100	cidence of post	Processing the Contract of the	
	to benefit negativ		of schizophrenia	Let. Its	potential to ca	suse agranuloo	cytosis
	of hyperprolacten						
	the following is a				THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME		
a. Constipatio		morrhage	c. Headad		Vo. Tremors		e. Weight loss
he mostly	s old boy taking so suffers from tach likely taking?	me drug of a ycardia. He h	buse is having hyp as indifferent app	perphagia, se roach to the	ems happy and ongoing events	laughs a lot. I in his life. Wh	His eyes are often red and nich of the following drugs
a. Cannabis	b. Cocaine	c	. Ethanol	d. LS	D	e. Nico	tine
120.Which one	of the following i	ntravenous a	nesthetic agents	possesses an	ti emetic prope		
a. Etomidate	b. Ketamine		. Midazolam	Vd. Pr			pentone
						C. IIIIo	Pentone