

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL
SCIENCES AND TECHNOLOGY
THIRUVANANTHAPURAM
ENTRANCE EXAMINATION: NOVEMBER 2016
PROGRAMME: DM NEUROLOGY (GENERAL MEDICINE)**

Time: 90 MINUTES

Maximum marks: 100

NB: Select the MOST appropriate answer for each of the following questions.

1. Which among the following joints is most commonly involved in Calcium Pyrophosphate Deposition Disease?
 - A. Hip joint
 - B. Knee joint
 - C. Elbow joint
 - D. First metacarpo-phalangeal joint

2. The Receiver Operating Characteristic (ROC) Curve is used in the context of:
 - A. Assessment whether a particular set of variables is normally distributed
 - B. Correlation between two sets of discrete variables
 - C. Analysis of survival
 - D. Information content/ accuracy of a diagnostic test

3. Westermark's sign in chest X-ray is suggestive of:
 - A. Pulmonary Embolism
 - B. Aspergillosis
 - C. Pulmonary AV fistula
 - D. Asbestosis

4. Which among the following is a cause of “vanishing bile duct syndrome”?
- A. Wilson’s disease
 - B. Hemochromatosis
 - C. Graft-versus-host disease
 - D. Biermer disease
5. Which among the following disorders is associated with anti-desmoglein auto-antibodies?
- A. Pemphigus vulgaris
 - B. Inclusion body myositis
 - C. Primary sclerosing cholangitis
 - D. Lichen Planus
6. Castell’s method of percussion is used to detect:
- A. Splenomegaly
 - B. Hepatomegaly
 - C. Renal masses in the lower pole of kidney
 - D. Collapse of lower lobe of lung
7. The SENIORS trial investigated which among the following:
- A. Candesartan in heart failure
 - B. Simvastatin for primary prevention of Ischemic heart disease in elderly
 - C. Nebivolol in heart failure
 - D. Nicorandil in angina in the elderly
8. Which among the following Beta Blockers used in the treatment of Ischemic Heart Disease is selective for the β_1 receptor and exhibits partial agonist activity?
- A. Labetalol
 - B. Timolol
 - C. Propranolol
 - D. Acebutolol

9. Which among the following anti-bacterial agents act by targeting the cell wall synthesis?
- A. Polymixin
 - B. Teicoplanin
 - C. Tigecycline
 - D. Mupirocin
10. Approximately what percentages of patients with sarcoidosis have neurological involvement?
- A. 1-2%
 - B. 5-10%
 - C. 20-30%
 - D. 35-50%
11. Which of the following statements about Gestational diabetes mellitus is TRUE?
- A. Recommended fasting sugar above which Insulin therapy should be initiated is 126mg/dl
 - B. >50% of women go on to develop diabetes mellitus within 2 years of delivery.
 - C. Exercise, dietary modification and Metformin can delay development of diabetes
 - D. <10% develop diabetes in future.
12. Diagnosis of alcohol use disorder by DSM V requires all of the following EXCEPT
- A. Duration of at least 6 continuous months of the symptoms
 - B. Tolerance to alcohol
 - C. Substance use for avoidance of withdrawal
 - D. Recurrent drinking in hazardous situations
13. Which of the following skin sign helps to distinguish Dermatomyositis from other immune mediated diseases like SLE and scleroderma?
- A. Periorbital erythema
 - B. Subungual telangiectasia
 - C. Gottron's papules
 - D. Poikiloderma

14. Which of the following is **true** about glucose 6-phosphate dehydrogenase deficiency:
- A. Autosomal recessive inheritance
 - B. Not precipitated by procainamide
 - C. Not associated with neonatal jaundice
 - D. Enzyme helps to maintain glutathione in a reduced state in RBCs
15. Which among the following autoantigen-autoimmunity pair is incorrect
- A. Acetylcholine receptor - myasthenia gravis
 - B. Collagen type IV – Goodpasture’s syndrome
 - C. Cytochrome P450 2D6- autoimmune hepatitis
 - D. Glutamate receptor – Type 1 Diabetes mellitus
16. The titration dose of carbimazole in Graves Thyrotoxicosis is based on which parameter of thyroid function test
- A. TSH
 - B. Free T3
 - C. Free T4
 - D. Total T3
17. Which among the following is NOT a protein kinase inhibitor?
- A. Imatinib
 - B. Gefitinib
 - C. Vemurafenib
 - D. Bortezomib
18. Which of the following pathogens are more likely to cause infections in Hodgkin’s Lymphoma patients?
- A. Pneumococci
 - B. Meningococci
 - C. Listeria
 - D. Hemophilus influenzae

19. Ehrlichiosis is a common coinfection with?
- A. Lyme disease
 - B. Louse borne relapsing fever
 - C. Tick borne relapsing fever
 - D. Leptospirosis
20. Which of the following antibiotic is recommended as first line for Out patient care in Community acquired pneumonia in a patient with medical comorbidities?
- A. Macrolide
 - B. Doxycycline
 - C. Moxifloxacin
 - D. Cefuroxime
21. Which of the following laboratory investigation is most sensitive for the diagnosis of Disseminated Intravascular coagulation (DIC)?
- A. Rapid decline in platelet counts
 - B. Elevated fibrin degradation products (FDP)
 - C. Elevated fibrinogen
 - D. Elevated D-dimer
22. Which of the following statements about Spontaneous bacterial peritonitis (SBP) is TRUE?
- A. Ascites always occurs after peritoneal infection
 - B. Fever is the most common nmanifestation
 - C. Ascitic fluid tap should show Polymorphs >500 cells/microliter to make a diagnosis of SBP.
 - D. Most common organism responsible for SBP is Klebsiella

23. Which of the following antibiotic is NOT considered safe for treatment of urinary tract infection in the first trimester of pregnancy?
- A. Nitrofurantoin
 - B. Ampicillin
 - C. Sulphonamide
 - D. Cephalosporin
24. Which of the following investigation is best suited to monitor *Helicobacter pylori* eradication from the GI tract following treatment?
- A. Endoscopy and Biopsy
 - B. Urea breath test
 - C. Serology
 - D. Schilling test
25. Which of the following statements regarding hereditary hemochromatosis is NOT TRUE?
- A. The commonest implied mutation is C282Y in chromosome 6p
 - B. Second and third metacarpophalangeal joints are often involved earliest in arthropathy
 - C. Alcohol consumption markedly increases the risk of cirrhosis liver
 - D. Hypergonadotrophic hypogonadism can occur in both men and women
26. Which of the following myelodysplastic syndromes is characterized by hypolobated megakaryocytes on bone marrow?
- A. MDS associated with isolated del(5q)
 - B. Refractory anemia with excess blasts, type 1
 - C. Refractory anemia with excess blasts, type 2
 - D. Refractory cytopenias with multilineage dysplasia
27. Acquired pure red cell aplasia is seen in all except
- A. Thymoma
 - B. Systemic Lupus erythematosus
 - C. Parvovirus B19 infection
 - D. Diamond Blackfan anemia

28. Chronic myeloproliferative syndromes include all except
- A. Chronic myeloid leukemia
 - B. Hairy cell leukemia
 - C. Polycythemia vera
 - D. Essential thrombocytosis
29. Which of the following statements is false regarding acute promyelocytic leukemia?
- A. It is a highly curable subtype of AML
 - B. Tretinoin plus anthracycline-based chemotherapy is the most effective therapeutic option
 - C. Arsenic trioxide reduces the risk of APL differentiation syndrome
 - D. Arsenic trioxide may prolong the QT interval on ECG
30. Serotonin syndrome is caused by stimulation of:
- A. 5-HT_{1A} receptors
 - B. 5-HT_{2A} receptors
 - C. 5-HT_{1D} receptors
 - D. 5-HT_{3A} receptors
31. A 60-yr-old man with hemoglobin 8g/dL, normal serum calcium and renal function, a single lytic bony lesion on imaging, absent M band in serum and urine, with bone marrow clonal plasmacytosis of 15%, maybe considered to have which of the following syndromes?
- A. Smouldering multiple myeloma
 - B. Symptomatic multiple myeloma
 - C. Nonsecretory myeloma
 - D. Solitary plasmacytoma of bone
32. Which of the following is not a feature of POEMS syndrome?
- A. Thrombocytopenia
 - B. Extravascular fluid overload
 - C. Sclerotic bone lesions
 - D. Papilledema

33. Cardiac involvement is characteristic of which systemic amyloidosis syndrome?
- A. AL amyloidosis
 - B. A β ₂ amyloidosis
 - C. ATTR amyloidosis
 - D. AA amyloidosis
34. What is the main mechanism of action of insulin secretagogues in diabetes mellitus?
- A. Activates AMP dependent protein kinase to secrete insulin
 - B. Increases secretion of amylin co-secreted with insulin
 - C. Interacts with ATP sensitive potassium channels in beta cells
 - D. Inhibits sodium glucose co-transporter
35. The diagnosis of TB in HIV is complicated by all except
- A. Increased frequency of sputum smear negativity
 - B. Decreased sensitivity of the Xpert MTB/RIF assay
 - C. Atypical radiographic findings
 - D. Negative tuberculin skin test
36. Which of the following statements is true?
- A. Total lung capacity= Vital capacity + Tidal volume
 - B. Functional residual capacity= Expiratory reserve volume + Residual volume
 - C. Vital capacity= Expiratory reserve volume – Residual volume
 - D. Total lung capacity= Functional residual capacity+ Vital capacity
37. Which of the following histological findings is not a characteristic feature of bronchial asthma?
- A. Mucus plugs
 - B. Goblet cell metaplasia
 - C. Thickened airway smooth muscle
 - D. Thinning of the basement membrane

38. The Nitrobluetetrazolium (NBT) assay is used to detect which among the following diseases?
- A. Chronic granulomatous disease
 - B. Complement deficiencies
 - C. Agammaglobulinemia
 - D. DiGeorge syndrome
39. Interstitial lung diseases with a predilection to involve the upper lobes include all except:
- A. Sarcoidosis
 - B. Chronic hypersensitivity pneumonitis
 - C. Pulmonary Langerhans Cell Histiocytosis
 - D. Idiopathic interstitial pneumonias
40. Which CD is classically expressed in Natural Killer cells?
- A. CD3, CD 14
 - B. CD 14, CD 16
 - C. CD 16, CD 56
 - D. CD 3, CD 38
41. The artery that is usually spared in polyarteritis nodosa is :
- A. Renal artery
 - B. Bronchial artery
 - C. Coronary artery
 - D. Pulmonary artery
42. Infectious agents are often associated with the development of lymphoid malignancies. Which of the following pair is incorrect?
- A. HTLV1- Adult T cell leukemia/lymphoma
 - B. Human herpes virus 8- Burkitt's lymphoma
 - C. Epstein Barr Virus - Primary CNS diffuse large B-cell lymphoma
 - D. HIV- Diffuse large B cell lymphoma

43. Fifty-year old gentle man with type 2 diabetes mellitus developed high grade fever and cough with purulent expectorations since 2 days. On examination he was febrile, vitals stable and crackles over left infrascapular and infraaxillary areas. Chest X ray showed left lower zone haziness. What is the most appropriate therapy in him?

- A. Treat him as an outpatient with Clarithromycin 500 mg BID
- B. Treat him as an outpatient with Levofloxacin 500 mg per oral OD
- C. Admit him and give a combination of Ceftriaxone 1 g IV Q12 H and Clarithromycin 500mg oral BID
- D. Admit him and injection Amoxicillin and Clavulanic acid combination 2g IV Q12H

44. Which of the following statement is false about Nocardiosis

- A. Brain is the most common extrapulmonary site of involvement
- B. Cephalosporin is the drug of choice
- C. Meningitis is uncommon in Nocardiosis
- D. The disease is more common in adults than children

45. Forty-three year old man presented with dyspnea on exertion and has pedal edema, ascites with elevated JVP. His echocardiogram showed thickened walls of both ventricles without major chamber dilatation. The end-diastolic pressures of both ventricles are elevated. There is a characteristic hyper-refractile "glittering" of the myocardium. The following statements regarding his disease are true except

- A. Amyloidosis is the major cause of restrictive cardiomyopathy
- B. Rapid Y descent in jugular venous pulse tracing and negative Kussmauls sign is the characteristic feature of restrictive cardiomyopathy
- C. A fourth heart sound is more common than a third heart sound in sinus rhythm
- D. The restrictive diseases often present with relatively more right sided symptoms although filling pressures are elevated in both ventricles.

46. Which of the following is an intravenous antiplatelet agent?
- A. Eptifibatide
 - B. Prasugrel
 - C. Ticagrelor
 - D. Fondaparinux
47. Which of the following is identified as the antigen in hypersensitivity pneumonitis observed in sugar cane workers
- A. Botrytis cinerea
 - B. Cladosporium species
 - C. Aureobasidium species
 - D. Thermophilic actinomycetes
48. A fifty-year-old female, asthmatic since childhood presented with increase in dyspnoea and cough with mucoid expectoration. Chest computed tomography showed central bronchiectasis. She had peripheral eosinophilia and IgE levels were 1014 IU/mL. What is the ideal line of management in this scenario?
- A. Systemic glucocorticoids alone
 - B. Systemic glucocorticoids plus cyclophosphamide
 - C. Systemic glucocorticoids plus Voriconazole
 - D. Anti-pseudomonal antibiotics
49. Tumour lysis syndrome is characterised by the following abnormalities except
- A. Hypercalcemia
 - B. Hyperphosphatemia
 - C. Hyperuricemia
 - D. Metabolic acidosis

50. The following statement regarding the physiological mechanism of glomerular filtration is true
- A. The oncotic pressure gradient across the glomerular capillary wall is the primary driving force for glomerular filtration.
 - B. The myogenic reflex is a first line of defence against fluctuations in renal blood flow and contribute to autoregulation of glomerular filtration rate (GFR)
 - C. Renin-angiotensin activating system is the only component responsible for the autoregulation of GFR.
 - D. Renin is released from macula densa and it converts angiotensinogen to angiotensin I
51. The drug of choice for the treatment of hemicrania continua is:
- A. Pizotifen
 - B. Sumatriptan
 - C. Indomethacin
 - D. Flunarizine
52. The DATATOP study addressed the efficacy of which among the following drugs?
- A. Tolcapone
 - B. Selegiline
 - C. Pramipexole
 - D. Topiramate
53. Mutation in myofibrillogenesis regulator-1 (*MR-1*) gene has been identified to cause which among the following conditions:
- A. Dentatorubropallidoluysian Atrophy
 - B. Restless leg syndrome
 - C. Bethlem myopathy
 - D. Paroxysmal nonkinesigenic dyskinesia

54. Which among the following is recommended as the first line agent for treatment of restless leg syndrome?
- A. Pramipexole
 - B. Trihexyphenidyl
 - C. Clozapine
 - D. Amantadine
55. MEDNIK Syndrome is a multisystem disorder resulting from abnormalities of the metabolism of:
- A. Medium chain fatty acids
 - B. Copper
 - C. Manganese
 - D. Nickel
56. Which of the following best describes the Monro-Kellie doctrine regarding intracranial pressure-volume relationships:
- A. As brain volume increases, vascular volume must also increase
 - B. Brain compliance equals elastance
 - C. Total volume of intracranial contents must be constant
 - D. Cerebral perfusion pressure equals mean arterial pressure
57. Deep Brain Stimulation of which among the following targets important in the pathophysiology of gait, has been tried in patients with Parkinson's disease for refractory disequilibrium and freezing of gait?
- A. Centromedian nucleus of thalamus
 - B. Intralaminar nucleus of thalamus
 - C. Pedunculopontine nucleus
 - D. Reticular nucleus of thalamus

58. Rufinamide is a new FDA approved drug used orally and intravenously in
- A. Refractory status epilepticus
 - B. Refractory status dystonicus
 - C. Refractory partial seizures of temporal origin
 - D. Refractory seizures in Lennox-Gastaut syndrome
59. Which of the following MRI sequences is useful to detect prior hemorrhage in a patient with suspected cerebral amyloid angiopathy?
- A. Susceptibility-weighted imaging
 - B. Diffusion-weighted imaging
 - C. Fluid-attenuation inversion recovery
 - D. T1-weighted imaging with contrast
60. Which among the following is the most important neurotransmitter of Subthalamic Nucleus neurons projecting to the other areas of basal ganglia?
- A. GABA
 - B. Glycine
 - C. Dopamine
 - D. Glutamic Acid
61. Which of the following is **false** about Cerebro Tendinous Xanthomatosis:
- A. Mutations in gene for nuclear sterol 27-hydroxylase
 - B. Early psychiatric manifestations may be seen
 - C. Treatment with chenodeoxycholic acid useful
 - D. Autosomal recessive disorder
62. Which of the following is considered a Callosal syndrome:
- A. Constructional apraxia
 - B. Left hemialexia
 - C. Graphaesthesia
 - D. Pure word deafness

63. Which of the following statements about "Persistent vegetative state" is TRUE?
- A. Absence of sleep wake cycles
 - B. Absence of brainstem reflexes
 - C. Hypothalamic dysfunction
 - D. Absence of language comprehension
64. A right sided ocular tilt reaction may be due to any of the following lesions **except**:
- A. Right meso-diencephalon
 - B. Right vestibular nucleus
 - C. Right labyrinth
 - D. Right vestibular nerve
65. Which of the following statement about Gerstmann syndrome is TRUE?
- A. It comprises of acalculia, right-left confusion, agraphia and alexia
 - B. Occurs secondary to right parietal lesion
 - C. Simultanagnosia can be a component in 50% cases
 - D. Components are acalculia, finger agnosia, right-left confusion and agraphia
66. Which of the following anatomical substrate is responsible for processing working memory?
- A. Prefrontal cortex
 - B. Amygdala
 - C. Hippocampus
 - D. Basal ganglia
67. The muscle protein that anchors the Z line to the plasma membrane is
- A. Troponin
 - B. Titin
 - C. Actinin
 - D. Desmin

68. Which of the following is the MOST commonly reported neuropsychiatric symptom in Alzheimer's disease?
- A. Anxiety
 - B. Depression
 - C. Psychosis
 - D. Apathy
69. Post stroke depression occurs more commonly with infarcts in
- A. Right frontal cortex
 - B. Left frontal cortex
 - C. Right temporal cortex
 - D. Left temporal cortex
70. Which part of the brain maintains central control over converting mental images of intended action into motor execution?
- A. Left parietal cortex
 - B. Right parietal cortex
 - C. Left occipital cortex
 - D. Right prefrontal cortex
71. Which of the following is seen in a patient seizing with Frontal lobe epilepsy
- A. Ictal nose wiping
 - B. M 2 E sign (Mirror to eye sign)
 - C. Unilateral eye blinks
 - D. RINCH (rhythmic involuntary hemiclonic hand movements)
72. Which of the following factors best differentiates Cerebral salt wasting syndrome from the Syndrome of Inappropriate ADH secretion?
- A. Serum sodium level
 - B. Urinary sodium excretion
 - C. Serum and urine osmolality measurements
 - D. Clinical assessment of volume status

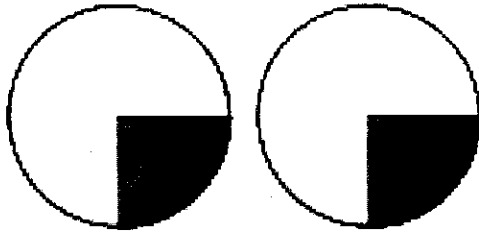
73. Which of the following statement about the basal ganglia are true?
- A. The putamen and striatum together comprise the lentiform nucleus
 - B. Output neurons of the basal ganglia are mostly GABA-ergic
 - C. The subthalamic nucleus sends an inhibitory projection to the globus pallidus, which constitutes the indirect pathway
 - D. The medium spiny neurons constitute less than 50% of the neuronal population in the basal ganglia
74. Choose the correct statement concerning the Cerebellar system?
- A. Output of the Purkinje cell to the deep cerebellar nuclei is inhibitory
 - B. Output of the Purkinje cell to the deep cerebellar nuclei is excitatory
 - C. Climbing fibers exert inhibitory input on single Purkinje cell
 - D. Golgi cells are inhibited by mossy fiber collaterals
75. Mutation in which of the following genes is not associated with early onset Parkinsonism?
- A. LRRK2
 - B. PARK2
 - C. PINK1
 - D. DJ-1
76. Which of the following is true about orthostatic tremor?
- A. Low frequency tremor of the lower limbs on standing
 - B. Patients do not complain of unsteadiness or symptoms other than leg tremor
 - C. Shows significant coherence between sides
 - D. Propranolol is the most effective pharmacological treatment
77. Which of the following is false about Sydenham's chorea?
- A. More common in males
 - B. Behavioral changes are common
 - C. Recurrence occurs in 80%
 - D. MRI shows atrophy of the basal ganglia

78. Choose the false statement about Paroxysmal Kinesigenic Dyskinesia
- A. Precipitated by sudden movement
 - B. Attacks last upto few hours
 - C. Frequency of attacks ranges from few per month to 100 per day
 - D. Exquisitely responsive to Carbamazepine
79. Diagnosis of Tourette syndrome requires all the following except
- A. Multiple motor and at least one vocal tic
 - B. Onset before 18 years of age
 - C. Waxing and waning course of tics
 - D. Duration of illness more than 2 years
80. The first reflex response to appear after spinal shock wears off
- A. Slight contraction of the leg flexors and adductors in response to noxious stimuli
 - B. Slight contraction of the leg extensors and abductors in response to noxious stimuli
 - C. Slight contraction of the leg flexors and abductors in response to noxious stimuli
 - D. Return of the Ankle reflex
81. Which of the following treatments is recommended in patients with detrusor-sphincter dyssynergia and post voidal residual urine more than 100 ml?
- A. Antimuscarinic agents
 - B. Desmopressin
 - C. Alpha blockers
 - D. Clean intermittent self catheterization
82. NBIA gene not associated with brain iron accumulation is
- A. PANK 2
 - B. PLA2G6
 - C. FA2H
 - D. DCAF7

83. What is the common ocular manifestation in Sturge Weber syndrome?
- A. Glaucoma
 - B. Optic nerve glioma
 - C. Retinal astrocytoma
 - D. Retinal hemangioblastoma
84. Which of the following is NOT a poor prognostic indicator in hypoxic ischemic encephalopathy?
- A. Elevated neuron specific enolase (Day 1 -3)
 - B. Prominent N20 responses in somato-sensory evoked potential (Day 1-3)
 - C. Myoclonus status epilepticus (Day 1)
 - D. Absent brainstem reflexes (Day 3)
85. The mode of action of Vigabatrin is
- A. It inhibits GABA reuptake at presynaptic neuron
 - B. Acts at an allosteric site to potentiate effect of GABA
 - C. Irreversibly inhibits GABA transaminase
 - D. Acts as an analogue of GABA
86. Which clinical muscle pair receives innervation from C7 root
- A. Coracobrachialis and extensor carpi ulnaris
 - B. Biceps brachii and Pronator teres
 - C. Supinator and Pronator quadratus
 - D. Brachialis and Triceps brachii
87. A 60-year-old lady presents with 'head drop' while sitting since last 6 months. On examination, she has isolated weakness of neck extensor muscles. Which of the following is NOT a consideration in her?
- A. Myasthenia gravis
 - B. Amyotrophic lateral sclerosis
 - C. Polymyositis
 - D. Sarcoglycanopathy

88. What is the mechanism of action of Natalizumab in multiple sclerosis?
- A. CD 52 depletion
 - B. Alpha 4 integrin blockade
 - C. Sequestration of circulating lymphocytes
 - D. CD 20 blockade
89. A 65-year-old premorbidly normal gentleman presents with 1 month history of confused behavior and recurrent right upper limb brief posturing. His serum sodium is recorded to be 125 meq/L. which of the following autoantibodies should be tested in him?
- A. Anti NMDA antibody
 - B. Anti LGI1 antibody
 - C. Anti CASPR2 antibody
 - D. Anti Hu antibody
90. The muscle protein that connects the Z line to M line is
- A. Titin
 - B. Tubulin
 - C. Actinin
 - D. Desmin
91. Frontal opercular syndrome is caused by occlusion of
- A. Middle cerebral artery
 - B. Anterior choroidal artery
 - C. Posterior communicating artery
 - D. Anterior cerebral artery
92. Which of the following given below is a mismatch, in the respiratory patterns observed in a patient with brain damage
- A. Cluster breathing - lower midbrain and upper pontinelesion
 - B. Ataxic breathing - dorsomedial medullary lesion
 - C. Apneustic breathing - dorsolateral tegmental lesion of middle and caudal pons.
 - D. Cheyne Stokes breathing - diffuse forebrain damage

93. Where is the site of lesion that results in the visual field defect shown in the figure below



- A. Involvement of optic radiation in temporo-occipital region on the right side
- B. Involvement of optic radiation in temporo-occipital region on the left side
- C. Involvement of optic radiation in parieto-occipital region on the right side
- D. Involvement of optic radiation in parieto-occipital region on the left side

94. Sixty six year old male patient with vascular risk factors (diabetes mellitus, hypertension and smoking), presented with sudden onset gait imbalance, vertigo, vomiting and dysphagia. On examination he had impaired pain sensation of the right side of body, cerebellar signs on left side and diminished gag reflex on left side. The following eye signs mentioned below may be seen in this stroke syndrome except

- A. Horner's syndrome
- B. Up beat nystagmus
- C. Down beat nystagmus
- D. Ocular skew deviation

95. Hanta virus group includes all except

- A. Dobrava- Belgrade virus
- B. Gou virus
- C. Puumala virus
- D. Bermejo virus

96. A 62-year-old female presents with headache and vomiting of 4 weeks with papilledema and neck stiffness. She was treated outside with Ceftriaxone and vancomycin for 10 days and her symptoms are persisting. Her CSF showed mononuclear pleocytosis, elevated protein and low glucose. Which of the following is the least likely possibility?
- A. Meningeal Carcinomatosis
 - B. Tubercular meningitis
 - C. Sarcoidosis
 - D. Mollaret meningitis
97. Elderly male presenting with massive middle cerebral artery stroke with hemorrhagic transformation and midline shift. The following methods are used to reduce the intracranial pressure except
- A. Dexamethasone
 - B. Mannitol
 - C. Controlled Hyperventillation
 - D. Decompressive hemicraniectomy
98. Which of the following drug approved for treating Alzheimer's dementia has N-methyl-D-aspartate (NMDA) glutamate receptor blocking activity
- A. Donepezil
 - B. Memantine
 - C. Rivastigmine
 - D. Galantamine
99. In Anterior interosseous syndrome which muscle is spared?
- A. Pronator Teres
 - B. Flexor Pollicis longus
 - C. Pronator Quadratus
 - D. Flexor Digitorum Profundus

100. Choose the correct statement regarding Long Term Potentiation (LTP)

- A. Mossy fibre Long term potentiation (LTP) is presynaptic and NMDA receptor independent
- B. Mossy fibre Long term potentiation (LTP) is presynaptic and NMDA receptor dependent
- C. Schaffer collateral LTP is presynaptic and NMDA receptor dependent
- D. Schaffer collateral LTP is presynaptic and NMDA receptor independent

NEUROLOGYANSWER KEY DM (Medicine) 2016

1	B	27	D	53	D	79	D
2	D	28	B	54	A	80	A
3	A	29	C	55	B	81	D
4	C	30	B	56	C	82	D
5	A	31	C	57	C	83	A
6	A	32	A	58	D	84	B
7	C	33	C	59	A	85	C
8	D	34	C	60	D	86	C
9	B	35	B	61	A	87	D
10	B	36	B	62	B	88	B
11	C	37	D	63	D	89	B
12	A	38	A	64	A	90	A
13	D	39	D	65	D	91	A
14	D	40	C	66	A	92	A
15	D	41	D	67	D	93	D
16	C	42	B	68	D	94	B
17	D	43	C	69	B	95	D
18	C	44	B	70	A	96	D
19	A	45	B	71	B	97	A
20	C	46	A	72	D	98	B
21	B	47	D	73	B	99	A
22	B	48	C	74	A	100	A
23	C	49	A	75	A		
24	B	50	B	76	C		
25	D	51	C	77	B		
26	A	52	B	78	B		