

PROVISIONAL ANSWER KEY

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Question1:-The viceroy who introduced budget system in India is

- A:-Lord Mayo
- B:-Lord Ripon
- C:-Lord Canning
- D:-Lytton

Correct Answer:- Option-C

Question2:-Out of the following which is not a novel of Tagore?

- A:-Gora
- B:-Chaturanga
- C:-Ghare Baire
- D:-Purobi

Correct Answer:- Option-D

Question3:-Who is the first Indian to join the Viceroy's Executive Council?

- A:-Vithal bhai Patel
- B:-Satyendra Prasad Sinha
- C:-C.R. Das
- D:-Sarojini Naidu

Correct Answer:- Option-B

Question4:-The real name of sister Nivedita was

- A:-Margaret Elizabeth
- B:-Catherine Noble
- C:-Mary
- D:-Nivedita

Correct Answer:- Option-A

Question5:-The longest river in India is

- A:-Yamuna
- B:-Ganga
- C:-Godavari
- D:-Krishna

Correct Answer:- Option-B

Question6:-In the first ministry of independent India, Jagjeevan Ram had the portfolio of

- A:-Labour
- B:-Health
- C:-Industries
- D:-Railway

Correct Answer:- Option-A

Question7:-Moulana Mohammedali was the president of Indian National Congress in its session held at

- A:-Lucknow
- B:-Viyayawada
- C:-Kakkinada
- D:-Nagpur

Correct Answer:- Option-C

Question8:-Who is popularly known as the 'Christian Viceroy'?

- A:-Irwin
- B:-Minto
- C:-Wavell
- D:-Linlithgo

Correct Answer:- Option-A

Question9:-In Travancore which ruler was known as 'Kizhavan raja'?

A:-Avittom Thirunal Balarama Varma
B:-Ayiliam Thirunal Rama Varma
C:-Swathi Thirunal Rama Varma
D:-Karthika Thirunal Rama Varma
Correct Answer:- Option-D

Question10:-'Aruvikkuzhi' waterfalls is in

A:-Idukki
B:-Kottayam
C:-Palakkad
D:-Pathanam Thitta

Correct Answer:- Option-B

Question11:-Digging wells for the use of the people was an important work of

A:-Vagbhatananda
B:-Kumara Guru
C:-Pandit Karuppan
D:-Vaikunta Swamikal

Correct Answer:- Option-D

Question12:-'Athamabodhodaya Samghom' was founded by

A:-T.K. Madhavan
B:-Subhananda Gurudevan
C:-Velukkutty Arayan
D:-Arattupuzha Velayudha Panikkar

Correct Answer:- Option-B

Question13:-'Savarnajatha' from Nagarcovil to Trivandrum was led by

A:-Mannathy Padmanabhan
B:-K. Kelappan
C:-K.P. Kesava Menon
D:-Dr. M.E. Naidu

Correct Answer:- Option-D

Question14:-The publication of 'Swadeshabhimani' was started from

A:-Trivandrum
B:-Vakkom
C:-Attingal
D:-Kollam

Correct Answer:- Option-C

Question15:-From which constituency, E.M.S. Namboodirippad was elected in the Kerala Assembly Election, 1957?

A:-Pattambi
B:-Kannur
C:-Neeleswaram
D:-Thrithala

Correct Answer:- Option-C

Question16:-The National award for best feature film of 2017 was bagged by

A:-Mom
B:-Village Rockstars
C:-Nagar Kirtan
D:-Bhayanakam

Correct Answer:- Option-B

Question17:-The winner of 2017 Ranji Trophy Cricket Tournament is

A:-Vidarbha
B:-Karnataka
C:-Mumbai
D:-Sourashtra

Correct Answer:- Option-A

Question18:-The minimum age to become President in India is

A:-21
B:-25
C:-30
D:-35

Correct Answer:- Option-D

Question19:-Which is the first state that introduced Panchayathiraj system?

- A:-Rajasthan
- B:-Kerala
- C:-Andhra Pradesh
- D:-Haryana

Correct Answer:- Option-A

Question20:-The Atal Pension Yojana was introduced in

- A:-April 2015
- B:-May 2015
- C:-June 2015
- D:-July 2015

Correct Answer:- Option-C

Question21:-Which of the following statement about Oligodendroglioma is FALSE?

- A:-around 70% of tumours show histological calcification
- B:-most common location is the frontal lobe
- C:-tumours with codeletion of chromosome 1p 19q have poor response to radiotherapy and chemotherapy
- D:-they usually do not stain for GFAP

Correct Answer:- Option-C

Question22:-Which of the following is not a component of the triad of idiopathic normal pressure hydrocephalus?

- A:-head ache
- B:-gait disturbance
- C:-dementia
- D:-urinary incontinence

Correct Answer:- Option-A

Question23:-In which of the following clinical conditions an Endoscopic third ventriculostomy will have the maximum success rate

- A:-post meningitic hydrocephalus
- B:-hydrocephalus following intraventricular hemorrhage
- C:-hydrocephalus associated with tectal gliomas
- D:-for aqueductal stenosis when it is done before the age of 6 months

Correct Answer:- Option-C

Question24:-Which of the following statement is FALSE regarding Esthesioneuroblastoma?

- A:-it is a tumor of olfactory neuroepithelium
- B:-can present with epistaxis
- C:-the commonest site of metastasis is cervical lymphnodes
- D:-bony erosion of the skull base is rare

Correct Answer:- Option-D

Question25:-The commonest site of intracranial arachnoid cyst is

- A:-sylvian fissure
- B:-interhemispheric fissure
- C:-cerebello pontine angle
- D:-suprasellar

Correct Answer:- Option-A

Question26:-Scaphocephaly occurs due to the premature closure of

- A:-Coronal suture
- B:-Sagittal suture
- C:-Lamdooid suture
- D:-Metopic suture

Correct Answer:- Option-B

Question27:-Which of the following type of spinal cord lipoma is caused by a secondary neurulation defect?

- A:-Dorsal lipoma
- B:-Transitional lipoma
- C:-Terminal lipoma
- D:-None of the above

Correct Answer:- Option-C

Question28:-Which of the following is NOT a feature of Dandy Walker Malformation?

- A:-Posterior fossa cyst communicating with fourth ventricle
- B:-Hypoplasia of cerebellar vermis
- C:-Hydrocephalus

D:-Low lying torcula

Correct Answer:- Option-D

Question29:-Which of the following statement is FALSE regarding Chiari 1 malformation?

A:-refers to caudal displacement of cerebellar tonsils 5 mm or more below the foramen magnum

B:-hydrocephalus is uncommon

C:-syringomyelia is common

D:-may be associated with an occipital encephalocele

Correct Answer:- Option-D

Question30:-Which of the following tracts in the spinal cord has a somatotopic organization with the sacral fibres arranged medially and cervical fibres laterally?

A:-Lateral corticospinal tract

B:-Spinothalamic tract

C:-Posterior column

D:-None of the above

Correct Answer:- Option-C

Question31:-Corticosteroids are effective in the treatment of

A:-Cytotoxic edema

B:-Vasogenic edema

C:-Interstitial edema

D:-Osmotic edema

Correct Answer:- Option-B

Question32:-Which of the following is the most common functioning pituitary adenoma?

A:-Prolactinoma

B:-Growth hormone adenoma

C:-Corticotroph adenoma

D:-TSH adenoma

Correct Answer:- Option-A

Question33:-Which of the following statements is FALSE regarding primary CNS lymphomas?

A:-vast majority are B cell lymphomas

B:-the detection of Epstein Barr virus in CSF is highly specific diagnostic marker for AIDS related primary CNS lymphoma

C:-steroids are better avoided before taking the biopsy

D:-magnetic resonance spectroscopy shows low lipid levels

Correct Answer:- Option-D

Question34:-Normal intracranial pressure in adults is

A:-1-7 mm Hg

B:-7-15 mm Hg

C:-15-25 mm Hg

D:-20-30 mm Hg

Correct Answer:- Option-B

Question35:-Which of the following pineal region tumours show elevated levels of β HCG in CSF?

A:-Germinoma

B:-Yolk sac carcinoma

C:-Immature teratoma

D:-Embryonal carcinoma

Correct Answer:- Option-A

Question36:-Most common primary malignant tumour in pediatric age group is

A:-Astrocytoma

B:-Ependymoma

C:-Medulloblastoma

D:-Choroid plexus carcinoma

Correct Answer:- Option-C

Question37:-At what level does the spinal cord end in adults?

A:-Lower border of D12

B:-Lower border of L1

C:-Lower border of L2

D:-Lower border of L3

Correct Answer:- Option-B

Question38:-Hook effect is

A:-blockage of inhibitory effect of dopamine on prolactin secretion due to compression of pituitary stalk leading to moderate elevation of prolactin levels

B:-low serum values of prolactin obtained by radioimmunoassay when serum prolactin levels are very high

C:-very low levels of serum cortisol following pituitary apoplexy

D:-high levels of ADH following pituitary surgery

Correct Answer:- Option-B

Question39:-Which of the following drain into the cavernous sinus?

A:-superior petrosal sinus

B:-inferior petrosal sinus

C:-superior ophthalmic vein

D:-vein of Labbe

Correct Answer:- Option-C

Question40:-A 60 years old man comes to the emergency department following a Road traffic accident. He complains of paraesthesia of both upper limbs and bilateral hand grip weakness. On examination there was grade 3 power of both upper limbs with bilateral hand grip weakness. The motor power was normal in both lower limbs. The most likely diagnosis is

A:-Anterior cord syndrome

B:-Posterior cord syndrome

C:-Central cord syndrome

D:-Brown-Sequard syndrome

Correct Answer:- Option-C

Question41:-Late subacute subdural hematoma is most likely to display which one of the characteristics of MRI?

A:-T1 hyperintense T2 hypointense

B:-T1 isointense T2 hyperintense

C:-T1 hyperintense T2 isointense

D:-T1 hyperintense T2 hyperintense

Correct Answer:- Option-D

Question42:-Which of the following utilizes Cobalt 60 source of photon production?

A:-LINAC based radiosurgery

B:-Proton beam therapy

C:-Gamma knife surgery

D:-Carbon ion therapy

Correct Answer:- Option-C

Question43:-Which of the following is horizontal gaze center?

A:-Paramedian pontine reticular formation

B:-Medial longitudinal fasciculus

C:-Superior colliculus

D:-Rostral interstitial nucleus of MLF

Correct Answer:- Option-A

Question44:-Which of the following statements is LEAST accurate regarding the Neurofibromatosis Type 2?

A:-Presence of Bilateral vestibular schwannoma

B:-Unilateral vestibular schwannoma and family history of NF2 can be considered as a diagnostic criteria

C:-Juvenile posterior subcapsular cataracts are common in NF2 patients

D:-Caused by a mutation or deletion of the neurofibromin gene on the long arm of chromosome 17

Correct Answer:- Option-D

Question45:-Which of the following screw placement may be risky in presence of a normal anatomical variant ponticulus ponticus?

A:-C1 lateral mass screw placement

B:-C2 pars screw placement

C:-C2 pedicle screw placement

D:-C1-C2 transarticular screw placement

Correct Answer:- Option-A

Question46:-Tectorial membrane is a continuation of

A:-Anterior longitudinal ligament

B:-Posterior longitudinal ligament

C:-Ligamentum flavum

D:-Interspinous ligament

Correct Answer:- Option-B

Question47:-Which of the following tracts carries pain and temperature sensation?

A:-Anterior spinothalamic tract

B:-Lateral spinothalamic tract

- C:-Posterior column
 - D:-Lateral corticospinal tract
- Correct Answer:- Option-B

Question48:-The mechanism of injury in Jefferson's fracture is

- A:-Hyperflexion
- B:-Hyperextension
- C:-Flexion distraction
- D:-Axial loading

Correct Answer:- Option-D

Question49:-According to the American Spinal Injury association Impairment Scale, a spine injury patient with preserved motor function below the neurological level and majority of the key muscles below the neurological level having less than grade 3 power is classified as

- A:-ASIA A
- B:-ASIA B
- C:-ASIA C
- D:-ASIA D

Correct Answer:- Option-C

Question50:-Which of the following is the commonest blood vessel thought to cause compression of the trigeminal root to produce trigeminal neuralgia?

- A:-Superior cerebellar artery
- B:-Anterior inferior cerebellar artery
- C:-Posterior inferior cerebellar artery
- D:-Basilar artery

Correct Answer:- Option-A

Question51:-Which of the following movement disorder is caused by the damage to the subthalamic nucleus?

- A:-Myoclonus
- B:-Dystonic tremor
- C:-Athetosis
- D:-Hemiballism

Correct Answer:- Option-D

Question52:-A patient with subarachnoid hemorrhage has a GCS of 13 and has no motor deficits. What is his WFNS grade?

- A:-I
- B:-II
- C:-III
- D:-IV

Correct Answer:- Option-B

Question53:-Which of the following is not a component of Cushing's triad?

- A:-Hypertension
- B:-Bradycardia
- C:-Pupillary asymmetry
- D:-Irregular respiration

Correct Answer:- Option-C

Question54:-Vasospasm following aneurysm rupture is maximum during

- A:-Day 1 to day 5
- B:-Day 4 to day 14
- C:-Day 12 to day 21
- D:-Day 21 to day 30

Correct Answer:- Option-B

Question55:-Which one of the following nerves is outside the annulus of Zinn?

- A:-Abducens
- B:-Trochlear
- C:-Nasociliary
- D:-Oculomotor

Correct Answer:- Option-B

Question56:-Which projection of the Anterior communicating artery aneurysm has the highest change of rupture during the retraction of frontal lobe?

- A:-Superior
- B:-Inferior
- C:-Anterior
- D:-Posterior

Correct Answer:- Option-B

Question57:-Which of the following surgical approaches is NOT suitable for an upper clival lesion?

- A:-Frontotemporal approach with orbitozygomatic osteotomy
- B:-Subtemporal approach with zygomatic osteotomy and anterior petrosectomy
- C:-Extreme lateral transcondylar approach
- D:-Endoscopic trans sphenoidal approach

Correct Answer:- Option-C

Question58:-All are features of Parinaud syndrome except

- A:-Downward gaze paralysis
- B:-Defective convergence
- C:-Light near dissociation
- D:-Lid retraction

Correct Answer:- Option-A

Question59:-Which of the following statements is NOT true regarding Glomus Jugular Tumors?

- A:-They arise from paraganglia in the adventitia of the jugular vein
- B:-Men are affected more frequently than females
- C:-They can present with conductive hearing loss
- D:-They are highly vascular tumours

Correct Answer:- Option-B

Question60:-A patient presents with low back pain radiating to right leg with paraesthesia along the lateral aspect of leg. On examination he had a weakness of extension of the right big toe and all deep tendon reflexes were normal. The most likely disc prolapse expected in the MRI is

- A:-L2-L3
- B:-L3-L4
- C:-L4-L5
- D:-L5-S1

Correct Answer:- Option-C

Question61:-According to Mayerding classification of spondylolisthesis, 26-50% of slippage is classified as

- A:-Grade I
- B:-Grade II
- C:-Grade III
- D:-Grade IV

Correct Answer:- Option-B

Question62:-A 10 year old boy presents with head ache and visual disturbances. MRI brain shows a suprasellar cystic lesion with evidence of calcification. The most probable diagnosis among the following is

- A:-Pituitary adenoma
- B:-Rathke's cleft cyst
- C:-Craniopharyngioma
- D:-Central neurocytoma

Correct Answer:- Option-C

Question63:-All are diagnostic features of Neurofibromatosis type 1 except

- A:-Café-au-lait spots
- B:-Iris Lisch nodules
- C:-Optic glioma
- D:-Adenoma sebaceum

Correct Answer:- Option-D

Question64:-The Maxillary division of trigeminal nerve exits the cranium through

- A:-Foramen spinosum
- B:-Foramen lacerum
- C:-Foramen rotundum
- D:-Foramen ovale

Correct Answer:- Option-C

Question65:-All are features of neurogenic claudication except

- A:-exertional pain over thigh and buttocks
- B:-symptoms are more pronounced while walking downstairs than walking upstairs
- C:-sitting and leaning forward may relieve the symptoms
- D:-bicycling can aggravate the symptoms

Correct Answer:- Option-D

Question66:-The internal cerebral vein drains into

- A:-Deep middle cerebral vein

B:-Basal vein of Rosenthal

C:-Vein of Galen

D:-Straight sinus

Correct Answer:- Option-C

Question67:-Commonest presenting symptom of vestibular schwannoma is

A:-unilateral hearing loss

B:-tinnitus

C:-disequilibrium

D:-facial numbness

Correct Answer:- Option-A

Question68:-The clinical grade (House Brackmann) of a patient with total facial paralysis with no perceptible movement is

A:-Grade 0

B:-Grade I

C:-Grade V

D:-Grade VI

Correct Answer:- Option-D

Question69:-Which of the following approach is NOT suitable for a vestibular schwannoma when you are aiming for hearing preservation?

A:-suboccipital retrosigmoid approach

B:-translabyrinthine approach

C:-middle fossa approach

D:-none of the above

Correct Answer:- Option-B

Question70:-Simpson grading is used to assess the completeness of surgical removal of

A:-Gliomas

B:-Meningiomas

C:-Pituitary adenomas

D:-Vestibular schwannomas

Correct Answer:- Option-B

Question71:-Which of the following intracranial tumours can occur as an association of von Hippel-Lindau Syndrome?

A:-Meningioma

B:-Medulloblastoma

C:-Hemangioblastoma

D:-Ependymoma

Correct Answer:- Option-C

Question72:-Which of the following histological type of meningioma is considered as a malignant meningioma?

A:-Meningothelial meningioma

B:-Fibroblastic meningioma

C:-Papillary meningioma

D:-Angiomatous meningioma

Correct Answer:- Option-C

Question73:-The classical visual field defect in pituitary adenoma is

A:-Homonymous hemianopia

B:-Bitemporal hemianopia

C:-Binasal hemianopia

D:-Junctional scotoma

Correct Answer:- Option-B

Question74:-The therapeutic ranges of phenytoin in adults is

A:-10-20 µg/ml

B:-20-30 µg/ml

C:-30-40 µg/ml

D:-40-50 µg/ml

Correct Answer:- Option-A

Question75:-All of the following are true regarding pseudotumour cerebri except

A:-Can cause blindness

B:-Intra cranial pressure will be elevated

C:-Majority of cases show moderate to severe dilatation of ventricles

D:-CSF shunt is a treatment option

Correct Answer:- Option-C

Question76:-Anterior petrosectomy is done in

- A:-Kawase triangle
- B:-Glasscock's triangle
- C:-Parkinson's triangle
- D:-Mullan's triangle

Correct Answer:- Option-A

Question77:-Rapid correction of hyponatremia can lead to

- A:-Cerebral edema
- B:-Metabolic encephalopathy
- C:-Cerebral salt wasting
- D:-Central pontine myelinolysis

Correct Answer:- Option-D

Question78:-Which of the following primary site is the commonest source of cerebral metastasis?

- A:-Lungs
- B:-Breast
- C:-Kidney
- D:-Gastro intestinal

Correct Answer:- Option-A

Question79:-The Hounsfield unit for fat is

- A:-90 to -120
- B:-zero
- C:-70 to 140
- D:-more than 300

Correct Answer:- Option-A

Question80:-A head injury patient is confused, opens eyes to painful stimuli and localizes pain. His GCS score is

- A:-13
- B:-11
- C:-9
- D:-7

Correct Answer:- Option-B

Question81:-Which of the following is not a component of Gerstmann syndrome?

- A:-Alexia
- B:-Agraphia
- C:-Acalculia
- D:-Right-Light disorientation

Correct Answer:- Option-A

Question82:-A patient admitted with severe head injury has a blood pressure reading of 150/90 mmHg. His ICP was 30 mmHg. What is the Cerebral Perfusion Pressure?

- A:-60 mmHg
- B:-70 mmHg
- C:-80 mmHg
- D:-90 mmHg

Correct Answer:- Option-C

Question83:-Commonest false localizing sign in raised intracranial pressure is

- A:-Oculomotor nerve palsy
- B:-Abducent nerve palsy
- C:-Facial nerve palsy
- D:-Papilloedema

Correct Answer:- Option-B

Question84:-Foster Kennedy Syndrome is commonly seen in

- A:-Third ventricular tumours
- B:-Fourth ventricular tumours
- C:-Pineal region tumours
- D:-Olfactory groove meningioma

Correct Answer:- Option-D

Question85:-A 65 year old hypertensive lady presents with acute onset of severe head ache and neck pain. CT scan of brain revealed subarachnoid bleed in the right sylvian fissure and a right temporal lobe hematoma. The most probable diagnosis is

- A:-Hypertensive bleed
- B:-Aneurysm bleed

C:-AVM bleed

D:-Temporal lobe metastatic lesion with bleed

Correct Answer:- Option-B

Question86:-Which of the following is not a component of triple H therapy?

A:-Hyperventilation

B:-Hypertension

C:-Hypervolemia

D:-Hemodilution

Correct Answer:- Option-A

Question87:-Which of the following cranial nerves exits from the dorsal aspect of brainstem?

A:-Oculomotor nerve

B:-Trochlear nerve

C:-Abducent nerve

D:-Vestibulocochlear nerve

Correct Answer:- Option-B

Question88:-A patient who has undergone surgical clipping for a ruptured A-Com aneurysm becomes drowsy on the 6th open operative day. What could be the probable cause for the drowsiness?

A:-Vasospasm

B:-Hydrocephalus

C:-Hyponatremia

D:-Any of the above

Correct Answer:- Option-D

Question89:-Which of the following cisterns is in closest relation to superior and inferior colliculi?

A:-interpeduncular cistern

B:-crural cistern

C:-supra sellar cistern

D:-quadrigeminal cistern

Correct Answer:- Option-D

Question90:-Rosenthal fibres are commonly seen in

A:-Pilocytic Astrocytoma

B:-Oligodendroglioma

C:-Medulloblastoma

D:-Ependymoma

Correct Answer:- Option-A

Question91:-Brodmann's area 17 is

A:-Broca's area

B:-Primary auditory area

C:-Primary somatosensory area

D:-Primary visual area

Correct Answer:- Option-D

Question92:-The cranial nerve that passes through the anterosuperior compartment of Internal acoustic meatus is

A:-Facial nerve

B:-Cochlear nerve

C:-Superior vestibular nerve

D:-Inferior vestibular nerve

Correct Answer:- Option-A

Question93:-Which among the following glial tumour is not a Grade I tumour according to the latest WHO classification?

A:-Pilocytic astrocytoma

B:-Subependymal Giant cell astrocytoma

C:-Pleomorphic Xanthoastrocytoma

D:-Desmoplastic infantile astrocytoma

Correct Answer:- Option-C

Question94:-Which of the following extra ocular muscle caused depression of eye in abducted position?

A:-Inferior Rectus

B:-Inferior Oblique

C:-Superior Rectus

D:-Superior Oblique

Correct Answer:- Option-A

Question95:-Lamina terminalis

- A:-Is in the roof of fourth ventricle
 - B:-Is in the roof of third ventricle
 - C:-Forms the floor of third ventricle
 - D:-Forms the anterior wall of third ventricle
- Correct Answer:- Option-D

Question96:-Which among the following MRI sequences helps to differentiate an arachnoid cyst from an epidermoid?

- A:-Gradient Echo
 - B:-FLAIR
 - C:-Perfusion weighted images
 - D:-Diffusion weighted images
- Correct Answer:- Option-D

Question97:-The type of Glioma commonly associated with Tuberous sclerosis is

- A:-Pilocytic astrocytoma
 - B:-Oligodendroglioma
 - C:-Ependymoma
 - D:-Subependymal giant cell astrocytoma
- Correct Answer:- Option-D

Question98:-The pituitary adenomas are called macroadenomas when the size is more than

- A:-1 cm
 - B:-1 mm
 - C:-2.5 cm
 - D:-2.5 mm
- Correct Answer:- Option-A

Question99:-Repetition is well preserved in

- A:-Brocas aphasia
 - B:-Wernickes aphasia
 - C:-Transcortical aphasia
 - D:-Conduction aphasia
- Correct Answer:- Option-C

Question100:-Thalamotomy is done in Parkinson's disease to relieve

- A:-Tremor
 - B:-Dystonia
 - C:-Dyskinesia
 - D:-Depression
- Correct Answer:- Option-A