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BACHELOR OF PHYSIOTHERAPY (B. P. T.)
EXAMINATION : JUNE - 2021
FOURTH YEAR

Subject: Physiotherapy in Neuro Science (BPT-402)

Date: 02/06/2021

Total Marks: 80

Time : 10.00 am to 1.00 pm

Instruction:

- To answer the Multiple Choice Questions (MCQs) use the separate answer sheet provided by the Vidyapeeth.
- For answering the Multiple Choice Questions (MCQs) put the tick mark in the respective column.
A B C D
- Multiple Choice Questions (MCQs) are to be solved within first 20 minutes of the session.
- Return your answer sheet of Multiple Choice Questions (MCQs) when first 20 minutes' time is over.

SECTION - A

Q.1 Select the most appropriate option. (20)

- Rhythmic initiation technique is used in one of the following condition
a) Spinal cord injury b) Stroke c) Parkinsons d) Multiple sclerosis
- In DMD which protein is deficient?
a) Globulin b) Albumin c) Dystrophin d) Protodystrophin
- Fatigue is the most disabling symptom of one of the following Condition
a) Spinal cord injury b) Motor neuron c) Parkinsonism d) Multiple Sclerosis disease
- Parkinsonism is a disorder of
a) Cerebellum b) Basal ganglia c) Cerebral cortex d) Brainstem
- Broca's area number
a) 18 b) 44 c) 22 d) 40
- Which is growth factor deficiency affects development of CNS
a) Iron b) Folic Acid c) Protein d) All of the above
- Prosopagnosia is
a) inability to recognize familiar objects b) inability to identify familiar faces c) inability to interpret appropriate colour d) all of the above
- Which of the following sentence is true for Hydrocephalus?
a) Fontanallae are wide open b) Pupil gazing downwards c) Weakness in lower limbs d) All of the above
- Lhermitte's sign is seen in
a) Multiple sclerosis b) poliomyelitis c) ALS d) Muscular dystrophy
- In axillary nerve injury square shoulder is seen due to _____ Atrophy.
a) triceps b) Biceps c) Deltoids d) Pectorals
- Knuckle bender splint is used in
a) Median nerve injury b) Radial nerve injury c) Axillary nerve injury d) ulnar nerve injury
- When the spinal cord accompanies CSF in the bulge, the condition is known as
a) Spina Bifida b) Myelo-meningocele c) Spina Bifida occulta d) Meningocele
- GBS is a
a) Degenerative disorder b) metabolic disorder c) Demyelinating disorder d) None of the above

14. Which of the following is a deep sensation
a) stereognosis b) pressure c) graphesthesia d) vibration
15. What is the normal value of CSF pressure in brain
a) 80 to 100 ml H₂O b) 80 to 100 mm Hg c) 10-30 ml H₂O d) 100 to 150 ml H₂O
16. What is a normal grading of reflex?
a) + b) ++ c) +++ d) ++++
17. Transient Ischemic attack usually defined if neurological deficit recovers within
a) 48 hours < 7 days b) > 24 hours c) 24 hours d) 7days
18. _____ are light work muscle pattern EXCEPT
a) Superficial b) Fatigue resistant c) Phasic d) Multiarthrodial
19. Lipohyalinosis is seen in _____ stroke
a) Haemorrhagic b) Ischamic c) SAH d) Lacunar
20. _____ enzyme is present in skeletal muscle tissue damage to which leads to primary muscle disorder
a) CPK b) LDL c) HDL d) None

SECTION – B

Q. 2 Answer the following. (any five) (15)

- 1) Describe Lehermitte’s Sign, Kernigs sign, Brudenzi sign
- 2) Explain Midbrain Level Reflexes
- 3) Explain in details Mechanism of Head Injury
- 4) Classification of Multiple Sclerosis
- 5) Roods Approach
- 6) Explain in details signs of Extrapyrarnidal System Disorder

Q. 3 Answer the following. (any three) (15)

- 1) Explain in details of Motor Relearning Program
- 2) Various approaches in treatment of Hypertonicity
- 3) Physiotherapy management of Cerebellar Ataxia
- 4) Physiotherapy management of Bells Palsy

SECTION – C

Q. 4. 40 year old Male patient complaints of Right upper limb weakness first with Right face deviation then lower Limb weakness, he is Hypertensive, Diabetic working as IT Professional with Right Hand Dominance. Write in details Physiotherapy Assessment, ICIDH2 & Management for the same. **(5+5+5=15)**

Q. 5 3 Year Old Female child has Delayed milestones, Difficulty in walking has history of Hypoglycemia during post natal period, with epilepsy. Mothers complains of stiffness in Both lower limb and Crossing of Legs while walking. Write Physiotherapy Assessment, ICIDH2 & Management for the same. **(5+5+5=15)**

OR

Q. 5 A 70 year old male patient Complaints of tremors in Upper limb, paucity in Movements , Difficulty to Suddenly Stop while walking or Sit to Stand. Patient is diagnosed with Parkinson Disease. Give Physiotherapy Assessment, ICIDH2 & Management for the same. **(5+5+5=15)**