

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**BACHELOR OF PHYSIOTHERAPY (B. P. T.)**  
**EXAMINATION : JUNE- 2021**  
**THIRD YEAR**

**Subject: Physical Diagnosis and Manipulative Skill (BPT- 304)**

**Date : 04/06/2021**

**Total Marks: 80**

**Time: 2.00 pm to 5.00 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)**

- Formula for predicting HR max is  
a) 220-Age                      b) 222-Age                      c) 220+Age                      d) 222+ Age
- On reflex grading (+ +) shows  
a) Brisk                      b) Diminished                      c) Normal                      d) Absent
- The linear distance between two successive points of contact of opposite lower extremities is called  
a) stride length                      b) Step Length                      c) double support length                      d) step duration
- Orthodromic conduction means  
a) Conduction towards physiological direction                      b) ) Conduction opposite to physiological direction                      c) Conduction towards periphery                      d) Conduction towards Centre
- Normal Lumbosacral angle is \_\_\_\_\_ degree.  
a) 20 degree                      b) 30 degree                      c) 40 degree                      d) 50 degree
- While squatting \_\_\_\_\_ Gliding of femoral end over tibial occurred.  
a) Anterior                      b) Posterior                      c) Rotational                      d) None of the above
- Progressive sequence of disc herniation  
a) Protrusion- Prolapse – Extrusion - Sequestration                      b) Protrusion- Prolapse- Sequestration - Extrusion                      c) Prolapse- Protrusion - Sequestration - Extrusion                      d) Extrusion- Prolapse- Protrusion - Sequestration
- Oswestry Disability index used to assess function of  
a) Hip                      b) Knee                      c) Cervical spine                      d) Lumbar Spine
- In Spasticity, Motor strength assessment can be tested with  
a) MMT                      b) Resisted Isometrics                      c) Voluntary control grading                      d) Modified Ashworth scale
- Glenohumeral anterior glide is indicated to increase the range of  
a) shoulder flexion                      b) Shoulder extension                      c) Shoulder internal rotation                      d) Shoulder abduction

11. In hip strategy with backward sway which muscle is activated f  
a)Hamstring                      b) Paraspinal muscle      c) gluteus muscle                      d) Quadriceps
12. The Prenatal cause in cerebral palsy is  
a) Hypertension                      b) Diabetes melitus      c) Torch infection                      d) Breech presentation
13. Strongest component of extensor Synergy  
a) Elbow Flexion                      b)Elbow extension      c) Shoulder Abduction                      d) Shoulder adduction
14. The type of muscle work done by plantar flexors to raise the heel from the ground in standing position is  
a) Concentric                      b)Eccentric                      c) Isometric                      d) Isotonic
15. The Borg category scale for rating breathlessness, of ``4`` indicates  
a) Slight breathlessness                      b) moderate breathlessness                      c) somewhat severe breathlessness                      d) severe breathlessness
16. Shortness of the following muscle will result in the non-capsular pattern of limited passive hip extension  
a) Iliopsoas                      b) Rectus femoris                      c) Sartorius                      d) Gracilis
17. The scale which is an adaptation of the Visual Analogue Scale for children, is  
a) Faces                      b)Smiley                      c) Dollas                      d) Picture
18. The \_\_\_\_\_ test focuses on the length of the Tensor Fascia Lata.  
a) Thomas                      b) Lachman                      c) Ober                      d) Bunnel-Littler
19. Which of the following is a dynamic balance test ?  
a) Romberg`s test                      b) single - leg balance                      c) Stork stand                      d) Five-times sit to stand ( 5 × STS )
20. Which glide is given to the radio-carpal joint ( distal bone ) to increase wrist extension ?  
a) dorsal                      b)Volar                      c) radial                      d) Ulnar

### SECTION – B

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

- 1) Modified ashworth scale for spasticity
- 2) Trendelenberg gait
- 3) Special test for SI joint dysfunction
- 4) Grades of Dyspnoea
- 5) Neuropraxia
- 6) Ankle brachial index

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

- 1) Assessment of balance
- 2) Types of obesity and risk factors
- 3) ABG
- 4) PFT finding in restrictive diseases

**SECTION – C**

- Q. 4** A 65 years old widow residing in the old age home comes with chief complaints of bilateral knee pain ,unable to access Indian toilet She finds difficulty in walking on uneven surface and twice lost her balance leads to fall. Write differential and provisional diagnosis ,Write ICDH2 with clinical reasoning and special test for same (15)
- Q. 5** A 60 yrs old man reports to physiotherapy department with complaint of difficulty in initiating movements, slowness of movements, difficulty in turning and maintaining balance in standing.Patient also complaining of tremors on rest. Write differential and provisional diagnosis ,Write ICDH2 with clinical reasoning. (15)

**OR**

- Q. 5** A 40 years old female ,clerk by occupation ,living in densely populated area complaint of progressively increasing dyspnea since 10 years and has been diagnosed as having asthma. Her husband not working and she has two school going children. Write ICDH2 with clinical reasoning. (15)

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