

# Rajiv Gandhi University of Health Sciences

IV Year B.N.Y.S Degree Examination – OCT-2019

Time: Three Hours

Max. Marks: 80 Marks

## Physical Medicine and Rehabilitation (RS-3)

QP Code: 2550

(QP contains two pages)

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Section - A

### Multiple Choice Questions

10 X 1 = 10 Marks

- Which one of the following, a person must have innervated for active triceps
  - C5
  - C6
  - C7
  - C8
- Medium frequency current is
  - IFT
  - Faradic current
  - Galvanic current
  - None of the above
- Parkinson's disease is caused by deficiency of
  - Serotonin
  - Epinephrine
  - Dopamine
  - All the above
- The low frequency current is
  - Faradic current
  - Ultra sound
  - Wax therapy
  - None of the above
- Nerve root value of hip abductors and extensors is
  - L3, L4
  - S2, S3
  - L4, L5, S1
  - T12, L1, L2
- Pain is poorly managed in older adults predominantly because
  - They have different physiology
  - They cannot take analgesic medications
  - It is more difficult to interpret in this group than in their younger counterparts
  - All the above
- The heat therapies are
  - Paraffin wax
  - Cold packs
  - Exercises
  - None of the above
- Physiotherapy includes
  - Exercise therapy
  - Electro therapy
  - Cryo therapy

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- d) All the above
9. Ultra sound frequency is
- 1 – 3 MHz
  - 5 – 7 MHz
  - 7 – 9 MHz
  - 25 – 100 MHz
10. Approximately after how many weeks, generally the patient is allowed to resume normal activities following tendon repair
- 8 weeks
  - 10 weeks
  - 12 weeks
  - 16 weeks

### Section B

#### LONG ESSAYS (Answer any two)

**2 X 10 = 20 Marks**

- Define lever and its classification with an example and diagram.
- In detail about stretching
- In detail about IFT

#### SHORT ESSAYS (Answer any ten)

**10 X 5 = 50 Marks**

- Different gaits
- Active exercise
- Kinetics and kinematics of moments
- Wax application indication and contraindication
- Walking aids
- Management of osteoarthritis of Knees
- Isometric contraction with example
- Om's law
- Define pulleys and its function.
- Gravity
- Uses of derived position
- Pain gait theory

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