

**BACHELOR OF PHYSIOTHERAPY
SIXTH SEMESTER
PHYSICAL DIAGNOSIS & THERAPEUTIC SKILLS
BPT – 605 [REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]**

**SET
A**

Duration: 3 hrs

Full Marks: 70

Time: 30 min.

(Objective)

Marks: 20

Choose the correct answer from the following :

1×20=20

1. PAR-Q contains how many questions?
a. 3
b. 7
c. 9
d. 11
2. Current needed for recording motor NCS is
a. 15-35 mA
b. 5-20 mA
c. 55-75 mA
d. 35-55 mA
3. Standard size of Swiss ball used in PT field is?
a. 65 cm
b. 35 cm
c. 90 cm
d. 50 cm
4. Fasciculation in EMG is Contraction of
a. Individual Muscle fiber
b. Individual Motor Unit
c. Multiple Muscle fiber
d. Multiple Motor Unit
5. How many pads present in push pull dynamometer?
a. 1
b. 6
c. 3
d. 9
6. Kienbock's Disease is a idiopathic osteonecrosis of
a. capitate
b. lunate
c. scaphoid
d. hamate
7. Backstroke in swimming is an example of which PNF pattern?
a. D 1 flexion
b. D 1 extension
c. D 2 extension
d. D 2 flexion
8. Tunnel of Guyon is a depression between
a. Scaphoid and lunate
b. Pisiform and Hamate
c. Capitate and Lunate
d. Trapezoid and trapezium
9. In postural drainage vibration speed should be maintained at?
a. 60-180 times/min
b. 300-650 times/min
c. 100-480 times/min
d. 150-380 times/min

10. Lying down will consume how much METs?
 - a. 1.0 METs
 - b. 3.5 METs
 - c. 1.5 METs
 - d. 2 METs
11. Which of the following factor does NOT influence the shape of the SD-curve
 - a. Frequency of Stimulation
 - b. Frequency of stimulation
 - c. Electrode Size
 - d. Muscle Temperature
12. Physiological overflow in Isokinetic device is approximately how much?
 - a. 30 degree
 - b. 60 degree
 - c. 15 degree
 - d. 90 degree
13. "Joints is a dysfunctional unit" - Who stated?
 - a. McKenzie
 - b. Mennell
 - c. Still
 - d. Palmer
14. Who invented the concept of Isokinetic exercise in the late 1960?
 - a. De Lormes
 - b. M Backer
 - c. Mc Queen
 - d. J Perrine
15. Post facilitation stretch technique of MET was developed by whom?
 - a. V Janda
 - b. J Barnes
 - c. F Mitchell
 - d. K Levitt
16. Who introduced the concept of Craniosacral therapy?
 - a. F Mitchell
 - b. I P Rolf
 - c. D D Palmer
 - d. J Upledger
17. How much rest period is necessary in assessing grip strength in dynamometer?
 - a. 15 sec
 - b. 30 sec
 - c. 90 sec
 - d. 1 min
18. Straight leg raise with great toe extension is done in which test?
 - a. Neris test
 - b. Bragards test
 - c. Sicards test
 - d. Rennes test
19. Borgs RPE scale 11 denotes which of the following?
 - a. Hard
 - b. Light
 - c. Very light
 - d. Somewhat hard
20. Who invented bicycle ergometer?
 - a. E Bouny
 - b. M Salter
 - c. P Williams
 - d. J Crow

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(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Define Manual Therapy? What are mechanism of action in Mulligan techniques explain. What are the criteria's for SNAGs treatment approach? | 1+5+4
=10 |
| 2. What are four cardinal signs of Kanavel? What is squeaker wrist? Write an essay on CPM device. | 2+2+6
=10 |
| 3. Elaborate Nerve Conduction Velocity [NCV] in detail. What are F wave & H reflex & their significance? | 6+4=10 |
| 4. Write explanatory notes on following topics -
a. EXERCISE PRESCRIPTION GUIDELINES
b. PARAMETERS OF ISOKINETIC DEVICE | 5+5=10 |
| 5. Discuss neurophysiologic mechanism of PNF with diagram. What are the effects of neural mobilization? | 6+4=10 |
| 6. Define motor learning? Explain McKenzie classification system. What are the types of contraction used in muscle energy techniques? | 1+5+4
=10 |
| 7. Write explanatory notes on following topics -
a. ELVEYS TEST
b. PEP THERAPY | 5+5=10 |
| 8. Explain Maitland's definitions of mobilization & manipulation and its physiological effects. Write down the stipulations given by Maitland. Write a brief note on Slump test & its significance. | 4+3+3
=10 |

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