



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2017/2018 ACADEMIC

FIRST YEAR SECOND TRIMESTER EXAMINATION

FOR THE DEGREE OF

BACHELOR OF SCIENCE IN PHYSIOTHERAPY

COURSE CODE: BSP 225

COURSE TITLE: CLINICAL PRACTICE IN PHYSIOTHERAPY

DATE: ^{WSD} 25/1/00 AM

TIME:

INSTRUCTIONS TO CANDIDATES

Answer All Questions

Section A: Multiple Choice Questions (MCQ)

20 Marks.

Section B: Short Answer Questions (SAQ)

40 Marks.

Section C: Long Answer Question (LAQ)

40 Marks

TIME: 3 Hours

*Moderated 8/1/2018
JKR*

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

CLINICAL PRACTICE IN PHYSIOTHERAPY BSP 225

Section A: Multiple Choice Question (MCQs)**20 Marks**

1. You visited surgical ward and you took the patient temperatures and were at 40.1°C . What will be the immediate action to take?
 - A. Watch the patient keenly for the signs of convulsions
 - B. Deep the patient's legs in the water
 - C. Inform the caretaker of the patient
 - D. Inform the nurse
2. While in outpatient, you noticed that a stroke patient could flex and extent his right lower limb while in left side lying, but he could not do the same in supine position. What MMT grade will you assign to his right hip flexers?
 - A. 1
 - B. 2
 - C. 3
 - D. 4
3. You noticed a patient in the ward who had a hump on his upper thorax, what is the correct name of the condition?
 - A. Scoliosis
 - B. Kyphosis
 - C. Lordosis
 - D. Flat chest
4. Which of the following defines lateral shift of the thoracic spine?
 - A. Scoliosis
 - B. Kyphosis
 - C. Lordosis
 - D. Flat chest
5. A patient came to outpatient physiotherapy and was not oriented to time place and person. Which system will be assessed for further information?
 - A. Coordination
 - B. Respiratory
 - C. Nervous
 - D. Musculoskeletal
6. Which is the normal range of respiratory rate?
 - A. 10 – 20 beats per minute
 - B. 12 – 20 beats per minute
 - C. 14 – 20 beats per minute
 - D. 16 – 20 beats per minute

7. Which one of the following best describes barrel chest?
 - A. Slight retraction of intercostal spaces
 - B. Over inflation of lungs
 - C. Depression of lower portion of sternum
 - D. Sternum protrudes outward
8. In your rotation in the ward, you met a patient who had a wet chest. What is the best treatment will you offer as a physiotherapist?
 - A. Wipe the chest
 - B. Perform competent massage to remove the secretion
 - C. Do chest physiotherapy
 - D. Perform abdominal thrust to clear the chest.
9. You passed through obstetric and gynecological ward and you noticed that a patient had bilateral swollen lower limbs. Which system will you classify the swollen limbs?
 - A. Varicose veins
 - B. Pregnancy
 - C. Cardiovascular
 - D. Musculoskeletal
10. What is the normal capillary refill duration?
 - A. 1-2 seconds
 - B. 2-3 seconds
 - C. 1 second
 - D. 2 seconds

In the following questions the answer is either **TRUE** or **FALSE**

11. A patient with acute injury can be treated with hot pack to relieve pain
12. With continued followed up patient in OPD, there is no need of continued documenting on every visit
13. Multidisciplinary approach in patient management is more important in health care delivery
14. It is unnecessary for a physiotherapy to have excellent communication skills in his practice
15. Auscultation of the chest to determine a wet chest is under cardiovascular system
16. Deviation of the trachea is assessed under respiratory system
17. Reflexes of the tendons are assessed under musculoskeletal system
18. Edema of the lower limbs are assessed under cardiovascular system
19. It is not important to assess conscious level of the patient recovering from road traffic accident
20. It is not important to know the vital signs of the patient as a physiotherapist

Section B: Short Answer Questions (SAQs)**40 marks**

1. Differentiate between multidisciplinary and interdisciplinary patient approach [4 MARKS]
2. Differentiate between subjective and objective data? Give three examples of each [8 MARKS]
3. Differentiate between intervention and evaluation in SOAPIER method of documentation [4 MARKS]
4. Explain the Manual Muscle Testing [MMT] as a grading system of muscle strength [12 MARKS]
5. A). Explain barriers to effective communication [6 MARKS]
B). How to overcome barriers listed in 3A above [6 MARKS]

Section C: Long Answer Question (LAQ)**40 Marks**

1. While rotating in physiotherapy outpatient department, you encountered a patient with rotator cuff disease.
 - a. List the rotator cuff muscles [4 marks]
 - b. Discuss the physiotherapy management of acute sub-acromion impingement syndrome (SAIS) [12 MARKS]
 - c. Name four factors required in Maintenance of precise movement of the moving parts of a joint around an axis by White and Sahrman 1994 [4 MARKS]
2. Discuss physiotherapy musculoskeletal system assessment [20 MARKS]

OBJECTIVES

Application of soapier method in documentation

Application of communication skills in patient interaction

Course content

Application of:- Subjective data; objective data; analysis; plan; intervention; evaluation; review

Retrieval of patients' previous medical records

Application of communication skills in physiotherapy

Application of applied learnt class content in the ward