

**BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
PHYSIOTHERAPY PROGRAMME
PST 417 – Clinical Measurements And Instrumentation
Resit Examination
2021/2022 SESSION**

Section A: Answer all questions in the answer booklet

Choose the option that best answer the question

1. Pain is a _____ Variable
 - a. Quantitative b. Dichotomous c. Continuous d. Qualitative
2. The following are pain rating scales used specifically for paediatric patients except:
 - a. behavioural pain rating scale b. premature pain profile c. neonatal facial coding system d. FLACC
3. A clinician-observed pain rating tool is appropriate for use in the following categories of people except:
 - a. infants b. teenagers c. cognitively impaired d. neonates.
4. Assessment of pain in infants is majorly done through use of the following except:
 - a. behavioural cues b. physiological cues c. self-report scales d. care-giver report
5. Factors that affect choice of pain rating scale include the following except:
 - a. ease of administration b. age of the patient c. gender of the patient d. Administration time

Answer True or False

6. Functional residual capacity can be measured by spirometry _____
7. Inter-rater reliability are applicable to self-report tools _____
8. Criterion related validity is measured by empirical evidence _____
9. An appropriate tool to use in rating the pain intensity of a 70-year-old man with dementia will be the Visual Analogue Scale _____
10. The appropriate tool to use in the assessment of pain in a 2 months old infant should be a Clinician-observed tool _____
11. A decrease in residual volume may be indicative of an obstructive disease _____
12. Test-retest reliability is applicable to a clinician-measured scale _____

Fill in the gap(s) with the appropriate words

13. Visual analogue scale measures pain on _____ scale
14. The variable manipulated in a study is called the _____ variable
15. A _____ variable can take only two distinct values

State whether the following are discreet or continuous variables (Q36 –Q40)

16. Body temperature _____
17. Hip range of motion of a patient _____
18. Respiratory rate of a patient _____
19. Interval scale has two property of the real number system which are order and _____
20. The appropriateness and meaningfulness of inferences made from a scale describe its _____
21. _____ is the maximum speed of exhalation.

Cardiac output is determined by

- 22. _____
- 23. _____
- 24. _____
- 25. _____

Section B: Answer all questions in the answer booklet provided

- 1. a. An eighty-year-old non-verbal man with dementia was referred to your clinic following a fall.
 - i. Describe how you would assess pain in this patient? (4 marks)
 - ii. Mention a pain rating scale that can aid your assessment (1 mark)
- 2. a. Describe the classification of measuring tools (10 marks)
b. Describe the properties of real-number system (5 marks)
- 3. What is spirometry? (5 marks)