

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF HEALTH TECHNOLOGY,
BIOMEDICAL TECHNOLOGY
PHYSIOTHERAPEUTIC ISSUE (BMT 508)
RAIN SEMESTER EXAMINATION

2hrs

21-09-2011

Session A: Answer ALL in this session

1. Define and briefly explain the followings

(a) Physiotherapy (b) Rehabilitation (c) Massage (d) Speech therapy (e) Psychotherapy

2. (a) List and briefly discuss any 10 role of a physiotherapist in any setting/organization.

(b) List and briefly discuss the role of any 10 professionals in a Rehabilitation team

Session B: Answer any 2 in this session

3. (a) List the 12 cranial nerves

(b) Which of the cranial nerves (name & number) is responsible for muscles of the facial expression?

(c) Define stroke (d) Damage of which tract leads to stroke (e) List any 3 cause of hemiplegia.

4. (a) state Grothus law (b) Hunting's law

(c) (i)List any 4 methods of ice application you know (ii)Injury caused by Ice is called what?

(d) What are the wave frequencies for (i) Short Wave Diathermy (ii) Microwave Diathermy?

(e) What are the frequencies for (i) Low TENS (ii) High TENS

5. (a) List any 2 types and uses of Diathermy you know in Medicine

(b) (i)List any 2 types Ultra sound, (ii) the rays of operation and (iii) their use in Medicine

(c) Define pain (d) List any 10 contra-indication to massage (e) List any 2 contra-indication of SWD

6. (a) Define physical fitness with reference to World Health Organization.

(b) List and briefly discuss 5 components of physical fitness

(c) (i)Which of the component is the GOLD standard for the assessment of physical fitness, (ii) state its unit of measurement

(d) List the 4 entities of a structured Physical activity

(e) List any (i) 6 general effects of massage (ii) Chemical benefit of massage