

BOWEN UNIVERSITY, IWO

B.PHYSIOTHERAPY PROGRAMME

2021/2022 SESSION FIRST SEMESTER INCOURSE EXAMINATION

PST 410: Low Frequency Electrical Stimulating Currents

Date: 28/04/2022 Time Allowed: 30 minutes Matric

No:.....

Instructions: Answer all questions. Choose the most appropriate answer to the following.

1. Based on frequency, current can be classified as:
a) Low frequency current b) High frequency current c) Faradic current d) A and B
2. Current can be classified based on direction as:
a) A and C b) Alternating current c) Unidirectional current d) High voltage current
3. Which of the following is not a low frequency current?
a) Interferential current b) interrupted direct current c) Sinusoidal current d) Diadynamic current
4. All is true for faradism under pressure except: a) is indicated in the management of lymphoedema b) involves elevation of the affected limb c) strengthens muscles of the limb stimulated d) should be applied for 15-20 minutes
5. Galvanic current is used primarily to stimulate: a) a normally innervated muscle b) a partially innervated muscle c) a completely denervated muscle d) none of the above
6. Which of the following currents is used for iontophoresis and electro-diagnostic purposes? a) Alternating current b) Direct current c) Faradic current d) Surged faradic current
7. Faradic current is surged to: a) Strengthen weak muscles b) Stimulate innervated muscles effectively c) Prevent muscle fatigue d) Activate innervated muscles
8. In what type of nerve injury will faradic current be most likely indicated? a) Axonotmesis b) Neurotmesis c) Neurapraxia d) All types of nerve injury
9. In the application of iontophoresis: a) ion and electrode with different charges are placed together b) ion and electrode with same charges are placed together c) the electrode over which the ion is placed is the inactive electrode d) interrupted direct current is used to propel ions into the body
10. Which of the following are methods of application of ions during an iontophoresis treatment: a) solution forms injected to the site of treatment b) application of ionic ointment to site of treatment c) lint pad soaked in ionic solution d) B and C
11. A popular use of iontophoresis is in: a) Tennis elbow b) Golfer's elbow c) Hyperhidrosis d) None of the above
12. The following are types of diadynamic current except: a) modulated monophasic b) syncopated rhythm c) A and B d) None of the above
13. Which of the following is a natural pain relieving substance? a) Substance P b) Histamine c) Cortisol d) Endorphin
14. All sensory fibres including pain sensation will pass through ----- to higher centres? a) the thalamus b) the basal ganglia c) the internal capsule d) anterior horn of the spinal cord
15. TENS is an acronym for: a) Transdermal electrical nerve stimulation b) Transcutaneous electrical nerve stimulation c) Transcorporeal electrical nerve stimulation d) Transference electrical nerve stimulation

