

1. Pressure on the median nerve in the carpal tunnel may cause a functional deficit in:
- |  |   |
|--|---|
| <input type="checkbox"/> palmar interosseous mm.   | <input type="checkbox"/> Palmaris brevis mm     |
| <input type="checkbox"/> lumbricals 3 & 4          | <input type="checkbox"/> dorsal interosseous mm |
| <input type="checkbox"/> flexor pollicis brevis mm |   |
2. The only joint connecting the upper limb and pectoral girdle to the axial skeleton is the:
- |  |   |
|--|---|
| <input type="checkbox"/> sternocostal joint      | <input type="checkbox"/> sternoclavicular joint |
| <input type="checkbox"/> coracoclavicular joint  | <input type="checkbox"/> costoclavicular joint  |
| <input type="checkbox"/> acromioclavicular joint |   |
3. Loss of sensation in the palmar skin of the thumb and index finger suggests damage to fibers of the:
- |   |   |
|---|---|
| <input type="checkbox"/> digital branch of the median nerve   | <input type="checkbox"/> digital branch of the ulnar nerve      |
| <input type="checkbox"/> deep branch of the ulnar nerve       | <input type="checkbox"/> superficial branch of the radial nerve |
| <input type="checkbox"/> recurrent branch of the median nerve |   |
4. The uniaxial limitation (hinge action) at the elbow is a product of the articulation between the:
- |   |
|---|
| <input type="checkbox"/> head of the radius, radial notch         |
| <input type="checkbox"/> capitulum of the humerus, radial head    |
| <input type="checkbox"/> Trochlea of the humerus, trochlear notch |
| <input type="checkbox"/> head of the ulna, ulnar notch            |
- On the questions in this section, check all that apply (there may be more than one answer per question):
5. This produces ulnar deviation at the wrist:
- |   |
|---|
| <input type="checkbox"/> extensor digitorum             |
| <input type="checkbox"/> flexor carpi ulnaris           |
| <input type="checkbox"/> flexor digitorum superficialis |
| <input type="checkbox"/> extensor carpi ulnaris         |
6. Carpals bearing articular surfaces for the wrist joint include:
- |                                    |
|------------------------------------|
| <input type="checkbox"/> lunate    |
| <input type="checkbox"/> trapezium |
| <input type="checkbox"/> scaphoid  |
| <input type="checkbox"/> hamate    |
7. The following checked muscle(s) is(are) a muscle(s) of the thenar outcrop:
- |   |
|---|
| <input type="checkbox"/> flexor pollicis longus   |
| <input type="checkbox"/> flexor pollicis brevis   |
| <input type="checkbox"/> abductor pollicis brevis |
| <input type="checkbox"/> abductor pollicis longus |

8. Which of the following muscles cause extension at the interphalangeal joint:
- extensor digitorum
  - dorsal interossei
  - palmar interossei
  - lumbricals
9. The ulnar nerve supplies:
- dorsal interossei
  - palmar interossei
  - opponens digiti minimi
  - adductor pollicis
10. Branches of what artery(ies) supply(ies) the elbow joint:
- ulnar
  - radial
  - deep brachial
  - brachial
11. A shoulder separation likely involves tearing of the \_\_\_\_\_ ligaments which stabilize the affected joint:
- coracohumeral
  - acromioclavicular
  - glenohumeral
  - coracoclavicular
12. Tendons that makeup the anatomical snuffbox include:
- abductor pollicis brevis
  - extensor pollicis brevis
  - flexor pollicis brevis
  - extensor pollicis longus
13. You are utilizing continuous ultrasound to supply thermal effects to a patient. During the treatment, the patient suddenly complains of feeling an electrical shock from the ultrasound machine. The most appropriate action to take is:
- decrease the intensity of the ultrasound
  - modify the duty cycle
  - discontinue ultrasound treatment
  - unplug the machine and label as DO NOT USE
14. Your patient has a recent injury to the lower back with acute low back pain, difficulty with active movement. The most appropriate treatment would be:
- hot packs, intermittent with cold packs
  - hot packs and ultrasound
  - high voltage galvanic stimulation

- rest and instruction in proper lifting
15. An MD has referred a patient with the diagnosis of impingement syndrome. Being the well read and studied professional that you are (and by taking this course!) you palpate the insertion of the supraspinatus. The bony landmark you used to locate the insertion of the supraspinatus is:
- supraspinatus fossa of the scapula
  - greater tubercle of the humerus
  - lesser tubercle of the humerus
  - dorsal surface of the inferior angle of the scapula
16. The “Best Years of Our Lives” Skilled Nursing Facility van loaded with residents had a minor accident (John Vaughn was driving- opps!). Mr. Ed injured his hand, wrist, and elbow in the fender-bender. John is a better Therapist than he is a driver and he writes an intervention plan using increased tissue temperature; the most appropriate thermal agent for this is:
- diathermy
  - ultrasound
  - hydrotherapy
  - hot packs
17. Ulnar tunnel syndrome results from the compression of the ulnar nerve in Guyon’s canal at the wrist. Symptoms may be pure motor, pure sensory, or both motor and sensory depending on the location of the compression; these symptoms may include:
- pain in the fourth and fifth digits
  - paresthesias in the fourth and fifth digits
  - intrinsic hand incoordination and weakness
  - positive Tinel’s sign at the wrist
18. The Gate Theory can be defined as painful stimuli transmitted to the brain by A-delta and C fibers to T-cells in the spinal cord; Inhibition is caused by stimulation of A-beta (large-diameter, fast-conducting, myelinated, proprioceptive nerve fibers) by proprioception/touch or use of TENS; this closes the gate and blocks the transmission of pain.
- True
  - False
19. There are contraindications for the use of TENS; check all that are appropriate in the below listing:
- cardiac pacemakers
  - pregnancy over the trunk or abdomen during the first trimester
  - peripheral vascular disease
  - epilepsy avoiding the head and neck

20. When using iontophoresis, Dexamethasone is \_\_\_\_\_ and should be used with the \_\_\_\_\_ current.
- negative, positive
  - positive, positive
  - negative, negative
  - positive, negative
21. An Ohm is a unit of measurement of:
- light waves
  - ocean waves (ok, I am tired of coming up with alternative answers!)
  - resistance
  - none of the above
22. Heat is not recommended during this phase of healing:
- inflammatory
  - proliferative
  - remodeling
  - inflammatory and proliferative
23. List the steps one must accomplish to obtain DPAM certification for your occupational therapy degree.
- \_\_\_\_ hours of continuing education approved by KBLOT and required for your type of license
- \_\_\_\_ supervised treatments **after** completion of course work
- \_\_\_\_ cost of application
- Documentation and application fee submitted \_\_\_\_\_ (amount of time prior to KBLOT board monthly scheduled meeting).
24. The person supervising the treatments required by the Kentucky law **must be** approved by KBLOT.
- True
  - False
25. You are allowed by law to use in treatment DPAMs while awaiting for certification results from KBLOT.
- True
  - False