MS: Exam - Requires Responsus LockDown Browser + Webcam

Due: No due date | **Points:** 100 | **Questions:** 39
Time Limit: 60 Minutes | Requires Responsus LockDown Browser

Submission Details

Time:	52 minutes
Current Score:	64.25 out of 100
Kept Score:	64.25 out of 100

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	52 minutes	64.25 out of 100

Score for this quiz: **64.25** out of 100
Submitted Jan 19 at 2:24pm
This attempt took 52 minutes.

Question 1

2 / 2 pts

There are five types of muscle tissue found in the body.

- True
- False

Incorrect

Correct Answer: False

Question 2

0 / 2 pts

Smooth and cardiac muscle tissue are both under voluntary control.

- True
- False

Incorrect

Correct Answer: False

Question 3

2 / 2 pts

The musculoskeletal nerve is part of the central nervous system.

- True
- False

Incorrect

Correct Answer: False

Question 4

2 / 2 pts

A sensory signal is a signal that is sent from a muscle to the central nervous system.

- True
- False

Incorrect

Correct Answer: False

Question 5

2 / 2 pts

The lumbar plexus contains nerves that innervate the thigh.

- True
- False

Incorrect

Correct Answer: True

Question 6

2 / 2 pts

Answer the following short answer question:

Ligaments connect which types of tissue?

Your Answer:

connect bone to bone

Correct Answer to bone

Question 7

2 / 2 pts

Answer the following short answer question:

Exciting muscle contraction which protein insufficient contains cross-bridges?

Your Answer:

myosin

Myosin

Question 8

2 / 2 pts

Answer the following short answer question:

Exciting muscle contraction which protein insufficient contains cross-bridges?

Your Answer:

myosin

Myosin

Question 9

2 / 2 pts

Answer the following short answer question:

What is the name of the thin myofilaments?

Your Answer:

actin

Actin

Question 10

2 / 2 pts

Answer the following short answer question:

What main ions in muscle contraction to stop?

Your Answer:

transfer for muscle contraction to stop there must be a return of calcium to the sarcoplasmic reticulum

Calcium ions must be pumped back into the sarcoplasmic reticulum

Question 11

4.25 / 5 pts

Identify the muscle **and** its action highlighted in the figure below.

Your Answer:

inspiration rotps elevation of the lies

Answer: Diaphragm Pelvic
Action: Pelb contract of the pelvid

Question 12

0 / 4 pts

Identify the muscle **and** its origin highlighted in the figure below. Be as specific as possible in your response.

Your Answer:

trapezius trapus

Answer: Sphinxis Capitis (Nuca this is diffusion from Semispinalis Capitis)
Origin: Spinous process/ligaments of inferior cervical vertebrae

Question 13

0 / 4 pts

Identify the three divisions of the muscle group highlighted below.

Your Answer:

upper, middle and lumbum latissimus

Answer: Dorsalis lumbarum, Recondite thoracis, Recondite cervicis

Question 14

0 / 4 pts

Identify the origin **and** insertion of the muscle indicated by the pointer below. Be as specific as possible in your response.

Your Answer:

the ifiu and the pubic bone

Answer:
Origin: pubic crest, pubic symphysis
Insertion: pubis, cartilage of the C.T. xiphoid process
(This is the Rectus Abdominis. Student needs to include 2 locations each for full credit)

Question 15

0 / 3 pts

Identify the muscle **and** its innervation indicated in the figure below.

Your Answer:

thoracic nerve

Answer:
Serratus Anterior
Innervation: long thoracic nerve

Question 16

5.5 / 7 pts

Use the figure below to answer the following questions.

The superficial quad muscle group consists of the following muscles. Select all that apply.

Select all that apply.

Incorrect A

Incorrect B

Incorrect C

D

Question 17

4 / 4 pts

Identify the origin and insertion of the muscle indicated in the figure below. Be specific in your response.

Your Answer:

radius and ulnlacy nerve

Answer:
Origin: lateral epicondyle of humerus
Insertion: anterolateral surface of radius
(This is the supinator.)

Question 18

2 / 2 pts

Your patient sustained an injury to their hand nerve (C6-C8). Which action would be impaired?

- Fist thrown
- Raising eyebrows
- Hair blown
- Hand flexed
- A and B
- Eliminate and b tunnels
- C and

Incorrect

Correct Answer: A and B

Question 19

2 / 2 pts

Your patient is having difficulty when asked to bring his chin to his chest. He is also having difficulty turning his head from side to side. What muscle is least likely impaired?

- Pectoralis
- Trapezius
- Sternocleidomastoid
- Semispinalis capitis
- Serratus Capitis

Incorrect

Correct Answer: Sternocleidomastoid

Blocked ducts Nodes, enlarged turns back

- Anterior

Question 20

2 / 2 pts

A person sustained a back injury to the muscle group closest to the spine. What muscle group was injured?

- Longissimus
- Iliocostalis

Incorrect

Correct Answer: Iliocostalis

- Semispinalis capitis
- Multifidus
- Rectus abdominis

Question 21

2 / 2 pts

True or False: When a muscle contracts, the Z lines within a sarcomere come closer together towards the H line.

- True
- False

Incorrect

Correct Answer: True

Question 22

2 / 2 pts

True or False: The Cleeds contain thick filaments.

- True
- False

Incorrect

Correct Answer: False Cleeds contain thin filaments

Question 23

2 / 2 pts

Which muscle contracts to enable the water offset maximal to assist us over land?

- Rectus femoris
- Quadriceps
- Gastrocnemius

Incorrect

Correct Answer: Gastrocnemius

- Tibialis anterior

Question 24

2 / 2 pts

When glucose reactions contracts, which force is pulled posterior to this muscle?

- Tibia
- Fibula
- Ulna
- Radius

Incorrect

Correct Answer: Radius

Question 25

2 / 2 pts

When extension diphenyl contracts, what ardently occurs?

- Knee extension
- Ankle extension

Incorrect

C. Extension of digit 2

D. Extension of digits 2-5

E. Abd

Correct ✓ F. Add

Question 26

2 / 2 pts

Contraction of _____ results in _____?

Correct ✓ — pisiform moves toward the flexor

pisiform moves toward the extensor

thenar muscle flexion

thenar muscle extension

Question 27

2 / 2 pts

When superior gemellus contracts, what action(s) will not occur at the hip?

A. Lateral rotation

B. Internal rotation

C. Adduction

D. Extension

E. Flexion

F. Ant

Correct ✓ G. Abd

Question 28

0 / 4 pts

Identify the muscle **and** its actions (include text indicated in the figure) below.

Your Answer:

elastic brings elevation of the arm and fingers

Answer: Flexor digitorum profundus (FDP) (2 points)

Action: wrist flexion, flexion of digits 2-5 (carpal- dist phalanx) (2 points)

Question 29

0 / 7 pts

Identify the muscle **and** its actions (include text indicated in the figure) below.

Your Answer:

libsdis antinsec elevation of the arm and fingers

Answer: Extensor digitorum (1 point)

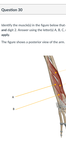
Actions: wrist extension, extension of digits 2-5 (2 points)

Question 30

6.5 / 9 pts

Identify the muscle(s) in the figure below that controls the wrist **and** digit 3. Answer using the letters A, B, C, or D. **Select all that apply.**

The figure shows a posterior view of the arm.



Correct ✓ A

Your Answer: B (Extensor indicis)

C

D

Question 31

0 / 2 pts

What is the insertion of this muscle (indicated below)?

Your Answer:

spinal cervix

Answer: Inner trochanter of the femur

Question 32

0 / 2 pts

Identify superior gemellus in the figure below.

A

B

Correct Answer C

Your Answer: D

E

F

Question 33

2 / 2 pts

Use the figure below to answer the following true or false statement.

This muscle is innervated by the femoral nerve.

True

Correct ✓ False

(This is adductor longus. It is innervated by the obturator nerve.)

Question 34

0 / 9 pts

Identify the muscle below (1 point) **and** name its origin (as as specific as possible 2 points)

Your Answer:

Gluteus minimus

Answer: TFL lateral fascia latae (1 point

Origin: Origin: ASIS (anterior superior iliac spine) (2 point if only then is listed)

Question 35

0 / 3 pts

Which muscle (below) originates on the RAS?

Correct ✓ A

(This is rectus femoris.)

B

C

D

Question 36

0 / 2 pts

What is the name of the muscle indicated below?

Your Answer:

vastus

Answer: Extensor digitorum longus

Question 37

2 / 2 pts

Use the figure below to answer the following true or false question.

The muscle indicated below acts to flex digits 2-5. True or false?

Correct ✓ True

(this is flexor digitorum longus.)

False

Question 38

0 / 5 pts

Identify the muscle below (1 point) **and** name the insertion (2 points) (be specific in your answer)

Your Answer:

anterior pelliculas longus

Answer: Semimembranosus (1 point)

medial condyle of tibia (partial credit if only tibia is listed)

Question 39

10 / 10 pts

Answer the following essay question:

Describe how acetylcholine, sodium ions and calcium ions work together to enable a muscle contraction.

Your Answer:

Acetylcholine, Sodium ions and calcium ions work together to enable a muscle contraction. Acetylcholine is released from the motor nerve, which triggers the sodium ions to open and close. Sodium ions reach the sarcoplasmic reticulum of the cell muscles and release calcium ions into the sarcoplasm. Which allows for muscle contraction to occur.

Acetylcholine is special chemical called a neurotransmitter. Acetylcholine is released from the motor nerve at the neuromuscular junction (or NMJ).

Acetylcholine binds to receptors on the muscle fiber that cause sodium channels to open. Sodium ions then rush into the cell, triggering an action potential which eventually reaches the sarcoplasmic reticulum.

Calcium ions are released from the sarcoplasmic reticulum of the muscle cell, causing a muscle contraction to occur.

Quiz Score: **64.25** out of 100