

HA and P Review for Practical II, Spring 2009

1. Topics: Muscles, Neurons and Nervous System, General Senses, Reflexes, Special Senses
2. Exercises: 14, 15, 16A, 17, 19, 21, 22, 23, 24, 25, and 26
3. Know: all boldface terms
structures and functions
all models
 - muscles: outer layer of muscles only on models (on diagrams know all indicated)
 - remember: muscles models are all left and diagrams are all right
 - identify the most medial muscles and learn the others from that point
 - brain
 - eye
 - ear
 - skin cross section model: sensory structures
 - sheep brain mid-sagittal section
 - sheep eye
 - diagrams, figures, and tables from lab book
4. Here are the details from our test prep meeting:
 - A: means simply identification question
 - B: means more detailed question
 - the numbers indicate how many questions from that exercise of A or B type we will probably ask
 - In the past, most students have had the most problems with the B questions.

Exercise 14: 1A 4B

Know the following figures: 14.1, 14.4, and 14.5

Know all bold-faced terms

Exercise 15: 8A 0B

Know the identification of the muscles listed on the omission sheets. Know figures and models (including Bob, the torso model). Only exterior muscles will be asked on the models. Know the table information for the following muscles (the same ones on the omission sheets):

Head/Neck

- | | |
|----------------------|-----------------------------|
| 1. orbicularis oris | 8. mylohyoid |
| 2. orbicularis oculi | 9. omohyoid superior belly |
| 3. mentalis | 10. omohyoid inferior belly |

- | | |
|---------------|-------------------------|
| 4. platysma | 11. sternohyoid |
| 5. temporalis | 12. sternocleidomastoid |
| 6. masseter | 13. digastric |
| 7. trapezius | 14. sternothyroid |

Thorax:

- | | |
|--------------------------|----------------------|
| 1. deltoid | 8. rhomboid minor |
| 2. pectoralis minor | 9. rhomboid major |
| 3. pectoralis minor | 10. teres major |
| 4. transversus abdominis | 11. latissimus dorsi |
| 5. internal oblique | 12. levator scapulae |
| 6. external oblique | 13. supraspinatus |
| 7. rectus abdominis | 14. infraspinatus |

Arm:

- | | |
|--------------------------|------------------------------------|
| 1. triceps brachii | 8. flexor carpi ulnaris |
| 2. biceps brachii | 9. flexor digitorum profundus |
| 3. brachialis | 10. extensor carpi ulnaris |
| 4. brachioradialis | 11. extensor carpi radialis longus |
| 5. pronator teres | 12. extensor carpi radialis brevis |
| 6. flexor carpi radialis | 13. extensor digitorum |
| 7. Palmaris longus | |

Leg:

1. sartoris

quadriceps femoris

- | | |
|-----------------------|-------------------------------|
| 2. rectus femoris | 8. semitendinosus |
| 3. vastus lateralis | 9. semimembranosus |
| 4. vastus intermedius | 10. gastrocnemius |
| 5. vastus medialis | 11. fibularis longus |
| 6. gracilis | 12. extensor digitorum longus |
| 7. gluteus maximus | 13. fibularis brevis |

Exercise 16: 1A 2B

Know the following graphs, found on figures: 16A.3 and 16A.4
Know the bold-faced terms

Exercise 17: 2A 3B

Know figures 17.2, 17.3, 17.5, and 17.7 and bold-faced terms.

Exercise 19: 5A 3B

Be familiar with the brain models and sheep brain.

Know the following figures (also seen on model and brain for the most part): 19.3, 19.4 (don't have to ID the sulcuses, interthalamic adhesion, uncus, thalamus, or fourth ventricle), 19.9, 19.11 (omitting optic nerve and trigeminal nerve), and 19.13 (omitting intermediate mass of thalamus and fourth ventricle).
Know table 19.1 and bold face terms..

Exercise 21: 1A 2B

Know figures 21.1

Know the bold-faced words in the text associated figures 12.1 and 12.2.

Know the major nerves of the cervical plexus, the brachial plexus, the lumbar plexus, and the sacral plexus and the body parts served by each plexus.

Exercise 22: 0A 2B

Know the components of a reflex arc.

Know the bold-faced type.

Kind of questions could be, what type of reflex is the stretch reflex (spinal or somatic would count) or we could have a definition of a reflex and you give the name of the reflex

Exercise 23: 1A 3B

Know figure 23.1 and skin model for cutaneous receptors.

Know the bold-faced terms.

Exercise 24: 3A 3B

Know the eye model and sheep eye. Remember the only parts you can see on both are the lens, iris, pupil, cornea, choroid, ciliary body, retina, and sclera. Don't have to ID eye muscles.

Know the bold-faced terms.

Exercise 25: 1A 2B

Know the ear model. If you know figure 25.1 (you should know spiral organ of Corti, cochlear nerve, and semicircular ducts from 25.2 as well), you're good for the model.

Know the bold-faced terms.

Exercise 26: 2A 1B

Know figure 26.1 (olfactory cilia, supporting cell, olfactory receptor, filaments of olfactory nerve, glomeruli, mitral cell)

Know figure 26.2. (a, b, and c)

Know the bold-faced terms.