

Name: _____

Name _____

2020 4-H Hippology Un-Contest

Junior Test (age 8-10); Cloverbuds, give it a try if you would like

Fill in the blank to match the words in the list with their type of horse identification below

APPALOOSA	DUN FACTORS	FACE MARKING	LEG MARKING	PINTO
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1.
2.

1. PINTO _____ Tobiano, Overo, Splashed White
2. _ LEG MARKING ____ Sock, Stocking, Coronet
3. ____ FACE MARKING _____ Star, Stripe, Blaze
4. ____ APPALOOSA _____ Snowflake, Blanket, Leopard
5. ____ DUN FACTORS ____ Dorsal stripe, leg barring, cobwebbing

Circle YES if the statement is correct and NO if the statement is wrong

- YES NO 6. Molasses is added to feed to improve the taste.
- YES NO 7. A healthy adult horse has a temperature of 103 degrees.
- YES NO 8. A horse's gut normally makes gurgles, squeaks and rumbles.
- YES NO 9. The points include the neck, shoulder and rump.
- YES NO 10. Fescue is a healthy grain for horses.

Name: _____

Multiple Choice: Circle your answer

Multiple Choice: Circle your answer

A 11) Which gait is a slow four beat gait?

- a) Walk
- b) Trot
- c) Back

C 12) What is the term for the reddish-brown horse with black points?

- a) Buckskin
- b) Red Dun
- c) Bay

B 13) Which disease is caused by a horse standing in mud or manure?

- a) Navicular
- b) Thrush
- c) Strangles

C 14) Which grooming tool is used to remove dried dirt, loose hair and mud?

- a) Body brush
- b) Grooming cloth
- c) Curry comb

B 15) Which is a type of western riding?

- a) Hunters
- b) Reining
- c) Saddle seat

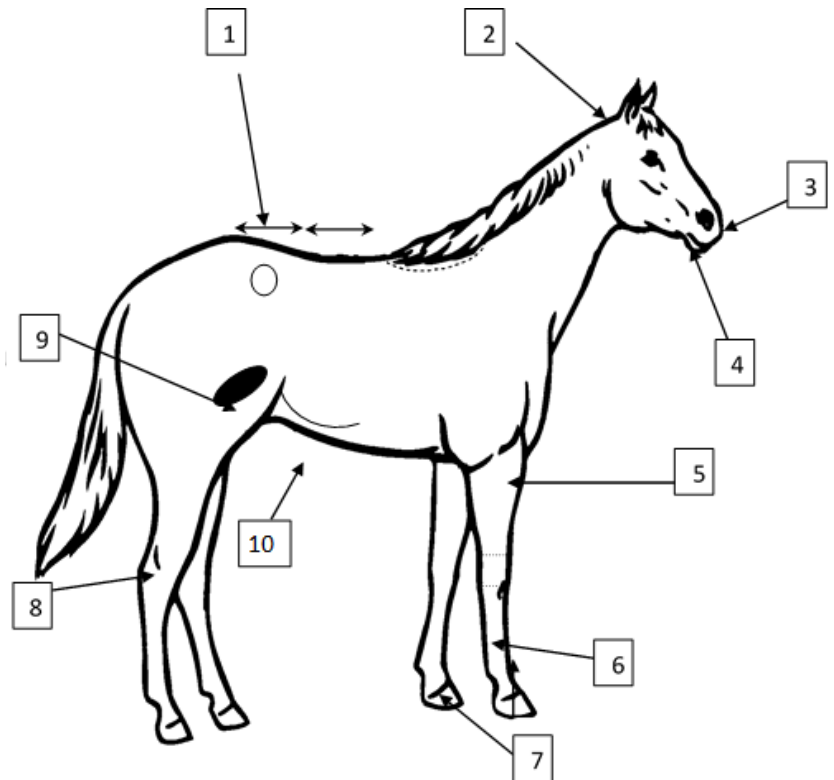
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Name: _____

Anatomy - (10 points). Fill in the blank with the correct part name.

Anatomy - (10 points). Fill in the blank with the correct part name.

1. loin
2. poll
3. _muzzle
4. chin
5. forearm
6. canon
7. hoof
8. hock
9. stifle
10. belly (abdomen)



Name: _____

2020 4-H Hippology Un-Contest

Intermediate Test (age 11-13)

Multiple Choice- **Circle the letter of your answer**

1. Which is a pony breed?
A.) Saddlebred
B.) Thoroughbred
C.) **Welsh**

2. Which color is a dilution of black or seal brown, usually with a dorsal stripe?
A.) chestnut
B.) palomino
C.) **grulla**

3. Mucous membranes such as the gums should normally have what appearance? (ES 163)
A.) **pink, moist and glossy**
B.) brick red and sticky
C.) yellowish and dry

4. What insect carries West Nile Virus? (ES 180)
A.) flies
B.) ticks
C.) **mosquitoes**

5. Which type of wound has torn rather than cut edges and may be irregular in shape: (DET 163)
A.) **laceration**
B.) puncture wound
C.) abrasion

6. How long is an average mare's pregnancy?
A.) 265-275 days
B.) **330-340 days**
C.) 400-410 days

7. Which of the following is **NOT** a suitable fencing material for horses?
A.) **barbed wire**
B.) twisted wire
C.) pine board

Name: _____

8. What are the basic parts of the bridle?
 - A.) **headstall, bit(s), reins**
 - B.) noseband, headstall, reins
 - C.) noseband, browband, headstall

9. Which of the following gaits is four (4) beats?
 - A.) trot
 - B.) **walk**
 - C.) canter

10. Which of the following body parts is NOT part of the digestive system?
 - A.) **uterus**
 - B.) esophagus
 - C.) small intestine

11. What is the most important criterion when judging and placing a conformation class?
 - A.) **balance**
 - B.) substance of muscling
 - C.) breed quality

12. Which of the following conditions is considered a blemish?
 - A.) parrot mouth
 - B.) **scar**
 - C.) sidebone

13. Which of the following is **NOT** a purpose of a horseshoe?
 - A.) to provide traction
 - B.) to protect the hoof
 - C.) **to allow the hoof to expand fully**

14. Which grain is popular for horses due to its high fiber and relatively low energy content?
 - A.) soil type
 - B.) climate
 - C.) **oats**

Name: _____

Please match the following tools to their correct description. Each answer will be used only one time. **Write your answer in the space provided**

- | | |
|--------------------------|---|
| __D__ 15. Grooming cloth | A. used in a circular motion to remove dried mud and loosen deep dirt |
| __B__ 16. Dandy brush | B. A hard bristled brush used to flick away dirt and loose hair |
| __C__ 17. Body brush | C. A soft finishing brush |
| __E__ 18. Sweat scraper | D. Used for the final finishing touch to polish the coat |
| __A__ 19. Curry comb | E. Removes excess water after a bath |

20. Which of the following is a nutrient?

- A.) **salt**
- B.) hormones
- C.) peptic acid

21. What breed of horse did NOT originate in Germany?

- A.) Hanoverian
- B.) Trakehner
- C.) **Haflinger**

22. What is an anthelmintic?

- A.) an inflammation of the bronchial tubes
- B.) an acute abdominal pain
- C.) **a substance capable of destroying or eliminating parasitic worms**

23. Ringworm is a fungal infection that affects what body part?

- A.) **skin**
- B.) hooves
- C.) intestines

24. Which of the following is NOT a vitamin?

- A.) A
- B.) **F**
- C.) K

25. Where in the horse's digestive system would you find bot larva attached?

- A.) **Stomach**
- B.) Small Intestine
- C.) Cecum

Name: _____

26. Which of the following is NOT a strategy used to prevent colic?
A.) avoid sudden changes in the feeding program
B.) having ample drinking water available at all times
C.) **feeding your horse grain on bare ground**
27. Which of the following is NOT a natural cue?
A.) hands
B.) voice
C.) **crop**
28. Which insect carries the bacteria responsible for Lyme Disease?
A.) **black legged tick (deer tick)**
B.) mosquito
B.) Horse fly
29. Which of the following is the correct order of leg bones from below the knee down to the hoof?
A.) cannon, short pastern, long pastern, coffin
B.) short pastern, long pastern, cannon, coffin
C.) **cannon, long pastern, short pastern, coffin**
30. What is a seven and one-half-minute (7 ½ minute) period in a polo game called?
A.) longe
B.) remuda
C.) **chukker**

Please match the following pieces of equipment to their correct definitions. Each answer will be used only one time. **Write your answer in the space provided**

- | | |
|-------------------|---|
| __C__ 31. Corona | A. A noseband on a bridle or a stiff noseband on a halter used with long strap in training. |
| _B__ 32. Fenders | B. The wide pieces of leather along the stirrup leathers on a saddle. |
| __E_ 33. Bosal | C. Saddle pad cut to fit shape of the saddle; has a large colorful roll around the edge. |
| __A_ 34. Cavesson | D. A special knot on a hackamore. |
| __D_ 35. Fiadore | E. The part of a hackamore that fits over and around the nose |

Name: _____

Please match the following external parasite to its correct description. Each answer will be used only one time.

Write your answer in the space provided

__B_ 36. Lice

A. microscopic creatures that cause mange

__D_ 37. Face Flies

B. two types (biting & sucking) infect horses

__E_ 38. Ticks

C. Biting flies that spread habronema larvae; lays eggs in manure and other decaying organic matter

A 39. Mites

D. flying insect that feeds on skin, nasal and eye secretions; doesn't bite

__C_ 40. Stable Flies

E. insect that bites/attaches, sucks blood and can transmit diseases such as piroplasmosis and ehrlichiosis

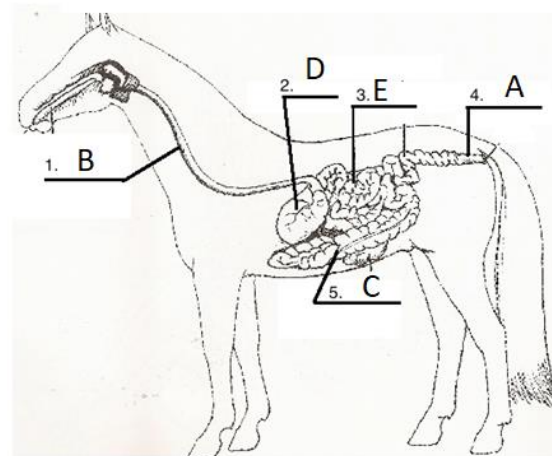
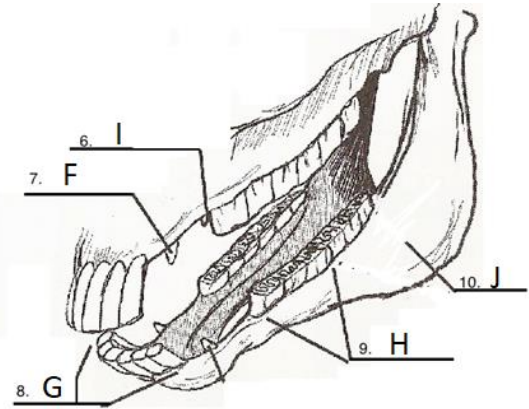
Go to the next page for anatomy

Name: _____

Anatomy - (10 points).

Teeth, Jaw and Digestive System (use the word bank). Write the letter of your answer in the space beside the number.

- A. Rectum
- B. Esophagus
- C. Cecum
- D. Stomach
- E. Small Intestine
- F. Canines
- G. Incisors
- H. Molars
- I. Wolf tooth
- J. Mandible



**2020 NH State Hippology Un-Contest
Senior (50 points)**

Multiple Choice

- _____A_____ 1. Which is an appropriate way to measure a horse's weight?
- A. Weight tape
 - B. Look and guess the weight
 - C. Height X length X 10
 - D. Breed standard
- _____C_____ 2. Which of the following healthy animals will require the most feed, assuming the horses are similar age, breed and weight?
- A. Trail horse, 1 hour walk, trot and canter work per day
 - B. Mare in last 3 months of pregnancy (no other work)
 - C. Lactating mare nursing a 2 month old foal (no other work)
 - D. Senior horse with occasional light trail riding
- _____C_____ 3. Which disease is **NOT** caused by a *Clostridium* bacteria?
- A. Neonatal septicemia
 - B. Botulism
 - C. Strangles
 - D. Tetanus
- _____C_____ 4. What Vaccine must every horse receive annually prior to participating in 4-H shows?
- A. Sleeping sickness
 - B. Colic
 - C. Rabies
 - D. Pneumonia
- _____B_____ 5. An adult horse's normal resting pulse rate averages how many beats per minute?
- A. 70
 - B. 35
 - C. 10
 - D. 55
- _____D_____ 6. The endocrine system controls what body function?
- A. Digestion
 - B. Reproduction
 - C. Growth
 - D. All of the above

Continue on reverse

- _____B_____7. Which additive is used to reduce dust and improve taste in feed?
- A. Niacin
 - B. Molasses
 - C. Beet Pulp
 - D. Citrus Pulp
- _____A_____8. Which of the following diseases **CANNOT** be prevented by vaccination?
- A. Equine Infectious Anemia
 - B. Tetanus
 - C. Rhinopneumonitis
 - D. Influenza
- _____A_____9. Where is Galvayne's groove found?
- A. upper corner incisor
 - B. upper intermediate incisor
 - C. upper central incisor
 - D. all upper incisors
- _____A_____10. Which coat pattern involves a light colored horse with egg shaped dark spots over the body?
- A. Leopard
 - B. Overo
 - C. Tobiano
 - D. Snowflake
- _____C_____11. At what point during gestation do broodmares require more protein in the diet?
- A. First four months
 - B. Middle four months
 - C. Last four months
 - D. No increase in needed in protein
- _____A_____12. What is the term for obstructive lodging of food in the intestine?
- A. choke
 - B. contraction
 - C. impaction
 - D. infraction
- _____D_____13. What is the first step in fly control or management?
- A. Insecticide
 - B. Larvicide
 - C. Parasitic Wasps
 - D. Sanitation
- _____A_____14. When the front toes turn out and the heels turn in, the horse is said to be what?
- A. splayfooted
 - B. pigeon toed
 - C. bow legged
 - D. all of the above

Continue on next page

Name: _____

- _____A_____ 15. Which of the following is NOT a suitable fencing material for horses?
- A. barbed wire
 - B. high-tensile wire
 - C. twisted wire
 - D. pine board
- _____B_____ 16. The skeleton of the horse is made up of how many bones?
- A. 108
 - B. 205
 - C. 260
 - D. 285
- _____D_____ 17. Which of the following can help avoid colic?
- A. Provide access to clean fresh water at all times
 - B. Avoid sudden feed changes
 - C. Maintain a regular feeding routine
 - D. All of the above
- _____D_____ 18. Which is a fat-soluble vitamin?
- A. vitamin A
 - B. vitamin E
 - C. vitamin K
 - D. all of the above are fat-soluble vitamins
- _____A_____ 19. Which of the following is a grass forage?
- A. Timothy
 - B. Alfalfa
 - C. Clover
 - D. Soybeans.
- _____B_____ 20. What is the typical gestation period of a mare?
- A. 265-275 days
 - B. 330-340 days
 - C. 398-402 days
 - D. 400-410 days
- _____D_____ 21. Which of the following tests are used to test for Equine Infectious Anemia?
- A. Coggins
 - B. Giddings
 - C. AGID
 - D. A & C

Continue on reverse

- ___C___ 22. *Parascaris equorum* is the scientific name for which parasite?
- A. strongyle
 - B. common horse bot fly
 - C. ascarid
 - D. pinworm
- ___D___ 23. Which is **NOT** an influence on the style of horseshoe used?
- A. type of work the horse does
 - B. integrity of the horse's foot
 - C. size and weight of the horse
 - D. size and weight of the rider
- ___D___ 24. What is the horse's heart rate during maximum intensity exercise?
- A. 55-101 beats/minute
 - B. 120-170 beats/minute
 - C. 175-190 beats/minute
 - D. greater than 200 beats/minute
- ___B___ 25. How can you increase the total amount of grass produced by a pasture?
- A. Graze animals until grass is 1" tall
 - B. Rotate pastures
 - C. Refrain from mowing
 - D. Turn out horses with cattle
- ___B___ 26. Hay that is beige in color indicates what?
- A. Good quality horse hay
 - B. Overmaturity at harvest
 - C. Baled too wet
 - D. Presence of weeds
- ___A___ 27. Which type of wound has torn rather than cut edges and may be irregular in shape:
- A. laceration
 - B. puncture wound
 - C. abrasion
 - D. incised wound
- ___B___ 28. How many permanent teeth does a normal gelding have?
- A. 36
 - B. 40
 - C. 34
 - D. 24
- ___D___ 29. Which of the following is **NOT** an inherited disease?
- A. HYPP (hyperkalemic periodic paralysis)
 - B. CID (combined immunodeficiency)
 - C. Night blindness
 - D. Moon blindness (periodic ophthalmia)

Continue on next page

Name: _____

- ___B___ 30. What dangerous condition does your horse most likely have if its respiration rate is more than 35 breaths per minute, the pulse is 75 beats per minute and the temperature is 107 degrees F?
- A. hypothermia
 - B. hyperthermia
 - C. laminitis
 - D. this is normal
- ___C___ 31. How many furlongs are in a 1 mile race?
- A. 4
 - B. 6
 - C. 8
 - D. 10
- ___A___ 32. Which unsoundness affects the foot of the horse?
- A. Navicular disease
 - B. Curb
 - C. Bone spavin
 - D. Sweeney
- ___A___ 33. On the left side of a western saddle, to which strap does the cinch attach?
- A. Latigo
 - B. Cinch connector strap
 - C. Tapadero
 - D. Balding
- ___B___ 34. A mature female donkey is called what?
- A. Mare
 - B. Jenny
 - C. Hinny
 - D. Hessie
- ___A___ 35. What is the purpose of a crown knot?
- A. prevent unraveling
 - B. safely tie a horse
 - C. emergency bridle or halter
 - D. tie a hay net
- ___B___ 36. What causes spontaneous combustion in stored hay?
- A. moisture content under 5%
 - B. moisture content over 20%
 - C. hay stacked cut side down
 - D. over maturity at harvest

Continue on reverse

___A___ 37. Mucous membranes such as the gums should normally have what appearance?

- A. pink, moist and glossy
- B. brick red and sticky
- C. yellowish and dry
- D. moist and pale pink

___C___ 38. Which is **NOT** one of the most sensitive areas to touch on a horse?

- A. eyes
- B. nose
- C. tail
- D. ears

___B___ 39. What is the term for the first manure passed by a foal?

- A. colostrum
- B. meconium
- C. neonatal drops
- D. diarrhea

___B___ 40. Which color is a dilution of black or seal brown, usually with a dorsal stripe?

- A. bay
- B. perlino
- C. cremello
- B. grulla

41-50 Matching: Matching- Breed Type- please place the letter of the correct answer in the blank of the left. You may use a letter more than once.

- | | |
|-------------------------------------|--------------|
| 41) ___A___ Trakehner | a. Warmblood |
| 42) ___C___ Welsh | b. Draft |
| 43) ___B___ Percheron | c. Pony |
| 44) ___D___ Tennessee Walking Horse | d. Gaited |
| 45) ___A___ Hanoverian | |

Matching- Harness- please place the letter of your answer in the blank of the left. You will have extra words

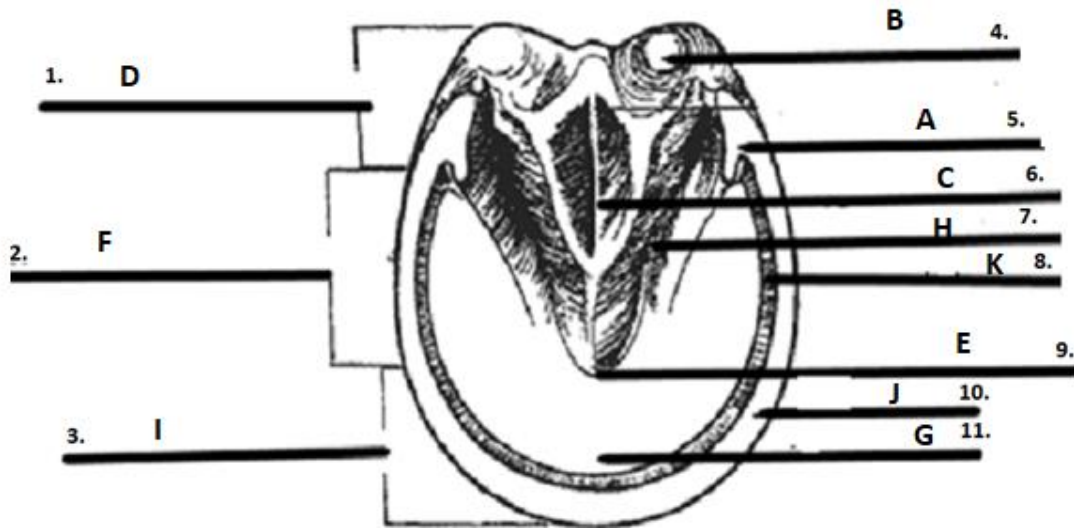
- | | |
|--|-----------------|
| 41) ___F___ The part that connects the collar to the singletree | a) Blinker |
| 42) ___G___ The rings through which the reins pass | b) Bearing rein |
| 43) ___A___ The eye shield of the bridle | c) Saddle |
| 44) ___C___ The part of the harness just behind the wither | d) Breeching |
| 45) ___D___ The part of the harness behind the hindquarters
This part holds the vehicle back if there is no brake | e) Bosal |
| | f) Trace |
| | g) Terrett |

After you have checked your answers, you have finished with the written test part 1;
Continue with part 2 - anatomy test and other contest phases (stations and team problem solving).

Name: _____ Number: _____ County: _____

Hoof Anatomy: Fill in the LETTER of the answer in the space provided.

- | | | | |
|------------------|-----------------|------------------|-------------------------------|
| A. Angle of Wall | B. Bulb of Heel | C. Cleft of Frog | D. Heel |
| E. Point of Frog | F. Quarter | G. Sole | H. Sulcus (collateral groove) |
| I. Toe | J. Wall | K. White Line | |



A. Cecum

B. Esophagus

C. Large colon

D. Rectum

E. Small colon

F. Small intestine

G. Stomach

