

2023 Junior Horse Bowl Questions

- The questions will not be in this order. The numbers next to each question are only to help identify each question. There will be 30 questions in each round.
- Any questions not used in 2023 will automatically roll into 2024.
- If you have questions or need clarification, email mrrussell@uada.edu with question.
- Recommended sources to find answers:
 - *New Horizons – Dictionary of Equine Terms*. By New Horizons Equine Education Center, Alpine Publications, Inc.
 - *Evans 2nd – The Horse (2nd Edition)* by Evans, Borton, Hintz, Van Vleck,
 - *Kainer – The Coloring Atlas of Horse Anatomy*. Dr. Robert Kainer and Dr. Thomas McCracken, Alpine Publications, Inc.
 - *AYHC 1st – Horse Industry Handbook*, by the American Youth Horse Council, American Youth Horse Council.
 - *AYHC Youth Leaders Manual* – by the American Youth Horse Council.
 - *Lewis 2nd – Feeding and Care of the Horse* (2nd edition), by Lon D. Lewis, 456 pgs.
 - *State line tack catalog*
 - *National 4-H Horse Curriculum Books:*
 - Giddy up and Go
 - Head, Heart, and Hooves
 - Stable Relationships
 - Riding the Range
 - Jumping to new Heights

1. What is the purpose of screening or dragging your pastures to spread out manure piles?
2. How long does food stay in the horse's stomach before passing on into the small intestines?
3. What is the purpose of the flank cinch on a roping saddle?
4. What is the name for the tendon located above the hock?
5. Black Hand No. 1 is the foundation sire of the Pony of Americas; he was the result of a mating of what two breeds?
6. In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
7. What is it called when a pigeon-toed horse throws the front feet outward while traveling?
8. Name the breed of horse that has a natural running walk.
9. What are 4 of the 6 factors that influence deworming programs?
10. Horse's with thin brittle hoof walls can benefit from being fed what nutrient?
11. What is the most economical protein supplement fed to horses?
12. What is the first step in treating an abscess?
13. What is the term for a wide patch of white down the face covering the full width of the nasal bones?
14. The corner of the mouth should have how many wrinkles with a properly fitted snaffle bit?
15. What is a crupper?
16. Medical bandages are comprised of three layers. What are the two functions of the secondary layer?

17. What is the skin color of a purebred Arabian?
18. What are oat groats?
19. What is the main function of a headstall?
20. Describe a “pig-eye”
21. During a lameness exam, at what gait is lameness usually the most pronounced?
22. What does net energy refer to?
23. Give two functions of the “butt bar” in a horse trailer.
24. How many bones are in the horse’s skeleton?
25. What is the primary vector that transmits equine encephalomyelitis?
26. What state was the raising and racing of racehorses centered in colonial America?
27. What is another name for “equine distemper”?
28. What are “trace minerals”?
29. Give the common and anatomical name for each of the three bones located in the foot.
30. What is the condition called when a horse has acute abdominal pain?
31. Describe base-wide conformation.
32. Give (4) reasons why exercising a horse in a swimming pool is beneficial for the horse.
33. How many bones are in the sternum?
34. Name 2 health problems that moldy and dusty hay can create.
35. Why is it important for a horse to have a “clean” throat latch?
36. How many pairs of ribs does a horse have?
37. What is the largest tissue mass in the horse’s body?
38. How long is a horn fly’s life cycle?
39. Besides water, what is the most important component or feedstuff of the horse’s diet?

40. How should sodium chloride be fed in a horse's diet?
41. Name three things whose length are determined by shoulder angle.
42. Five four features of a horse trailer that provide added safety for the horse.
43. How many bones make up the skull?
44. What nutrient is both a lubricant and a regulator of body heat?
45. What do we call the unborn animal as it develops in the uterus?
46. Secretariat won the Belmont Stakes in record time – what was it?
47. What is the study of hormones and their effects called?
48. How many teeth does a mature male horse have?
49. What breed of horse is known as the “aristocrat” of the showring?
50. Name three things that Vitamin A does for a horse.
51. What is it called when a racehorse breaks through the starting gate prematurely?
52. Name 2 important factors that affect hay quality.
53. There are seven different types of western saddles, name four.
54. What causes heat cramps?
55. Give six symptoms of colic.
56. Name the breed of draft horse that is believed to have had an infusion of Arab and Barb
(hot blooded) ancestry.
57. What is the type of bridle that features an additional headstall and allows for two bits in
the horse's mouth?
58. Name four of the minerals found in a block of trace mineralized salt.
59. Hay that is beige in color can be indicative of what two factors?

60. What word is defined as any deviation in structure or function that interferes with the horse's intended use or performance?
61. Name the type of colic resulting from a blockage of the intestinal tract with normal ingesta or with foreign material.
62. You are reviewing a judges' scoresheet for a Trail class and noticed that a horse received a penalty for a balk. What did the horse do to earn that penalty?
63. An adult horse's body is about what percentage of water?
64. A normal foal weighs what percent of the mare's body weight?
65. What may cause bumps on the bottom of both jaws of 3- to 4-year-old horses but is considered normal?
66. The soluble carbohydrates are digested and absorbed where?
67. What are wind puffs, and are they a blemish or unsoundness?
68. What is the name of the state in which the first American racetrack was built?
69. Give two functions of clips on horseshoes.
70. Which breed is the only breed to be named after an individual horse?
71. The horse's skin is composed of two layers. What are they?
72. What is the main reason for using a web stall guard as a door?
73. What do you call the person who assists the judge in the ring with class procedures, entries, and recording placings?
74. Name three factors that influence the water requirements of a horse.
75. Describe what parts of the horse interfere when a horse "forages."
76. What is the normal pulse rate for a horse at rest?
77. Name 2 breeds of the Native Horse.

78. List four micro-minerals required by the horse.
79. How many quarts of milk does an average size mare produce daily?
80. What are immunoglobins?
81. Is the horse a ruminant or non-ruminant?
82. According to Best Management Practices, what is the minimum distance from drinking water wells that manure storage sites should be located?
83. Give four symptoms of a horse with Tetanus.
84. What is monocular vision?
85. Horses with sickle hocks are predisposed to what problem?
86. In reference to packing, what is the manta?
87. What is the name for an inflammation of the udder?
88. Digestion of cellulose or fiber in hay produces gas as a by-product. What are the two main gasses produced in digestion of hay and grass?
89. There are two distinct types of Shetland pony. What are they?
90. At what angle should the horse's shoulder be?
91. Name two characteristics that help to develop a good person when attending horse shows?
92. What are two functions of the hackamore knot?
93. What are the five main nutrients that horse's need?
94. What type of internal parasite primarily affects foals and young horses?
95. When was the first purebred Arabian horse breeding program started in the United States?
96. What are two considerations when installing a paddock gate?

97. What two factors determine hoof size?
98. When should mares be placed under artificial lighting to ovulate in mid to late February?
99. Why would the size of the nostrils be important to a horse?
100. What are keg shoes?
101. Approximately how much blood does a 1000 lb. adult horse have?
102. Define parrot mouth.
103. How many times a year is a frog naturally shed in a horse's foot?
104. What is the term for soft, fluid-filled lumps usually found near the fetlock joint?
105. The American pony is the result of crossing what two breeds?
106. What is normal breathing rate of a standing horse at rest?
107. Name 5 grass hays.
108. The horse is classified as a nonruminant herbivore. What does this mean?
109. There are how many irregularly shaped flat bones that make up the skull?
110. Which draft horse breed has registered more per year than all other draft breeds combined?
111. What part of the hoof supports the primary weight of the horse?
112. There are four classes of horses based upon their nutritional class or status in life. Name the classes.
113. What is the plaited rawhide part of the hackamore that fits over the nose?
114. In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
115. What is the product of a stallion and a jenny called?

116. What is the term that refers to any inflammatory disease of the lungs.
117. What is the term for the solid pieces of leather that are attached to the headstall of a driving bridle alongside of each eye so the horse cannot see to the side?
118. What disease in foals is called “shaker foal syndrome” because of marked muscle tremors?
119. What is the required combined weight of the saddle and jockey for colts and fillies running the Kentucky Derby?
120. What fruit did the Palomino name derive from?
121. Name the two major components of blood.
122. What are the small bones found at the rear of the fetlock called?
123. In terms of the horse’s skeleton, what is the mandible?
124. What joint corresponds to the human knee?
125. Which body part is obstructed when a horse is choking?
126. What breed of horse was developed by the East Coast Indians from the early Spanish horses?
127. What is the most common blemish of the hind limbs?
128. Which grain when fed in excess may form a dough-ball in the horse’s stomach?
129. What is the best way to prevent dental problems?
130. Where would you check for a stronger than usual pulse if a horse has acute laminitis?
131. What problem develops from too much Vitamin D?
132. Describe the ideal wither.

133. What is the determining factor (body part) in the ratio of the top to the bottom line of the horse's neck?
134. What vitamin is significantly reduced when stored hay is bleached by the sun?
135. Yearly fertilizer applications should be applied to pasture at what time?
136. Where is the white line located?
137. Name 4 factors that may cause temperature variation in the individual horse.
138. What color are the eggs of the nose bot fly?
139. Muscles are attached to bones by what tissue?
140. How many permanent teeth does a mare have?
141. What are the two most important aspects of ideal conformation of the forelimbs?
142. In fox hunting, what is the cry of the hunt once the fox is sighted?
143. Why is a horse or mule with little or no withers undesirable as a pack animal?
144. What type of bit acts like a snaffle or curb combined into one mouthpiece?
145. What is the name for a shoe with a convex bar connecting at its heels?
146. What is parrot mouthed?
147. An excess level of phosphorus and a low level of calcium can cause what disease?
148. Which legs are the hardest part of the horse to keep sound?
149. What is the proper name for nutrients sometimes referred to as "building blocks"?
150. What is the frog?
151. Where in the digestive tract are amino acids synthesized?

152. What does the term lactation mean?
153. Name three registered breeds of horses which the horse's ancestry is 50% Arabian in origin.
154. This body color is reddish or copper-red; mane and tail usually same color as body but may be flaxen.
155. Why is creep feeding of foals recommended when foals are 30-60 days old?
156. What is the conformation in which the knees are bent forward called?
157. In liters, what is the capacity of the large colon?
158. What is a small organism that lives on or in and at the expense of a larger organism called a host?
159. What organ functions as a blood filtering system, responsible for the excretion of waste products?
160. Where is the crupper located on a harness and what is its function?
161. Where is the hoof wall thickest?
162. Where in the horse's digestive system would you find bot larva attached?
163. What is the star-shaped or circle-like structure near the center of the wearing surface of the permanent incisor?
164. What is the normal length of gestation of a mare?
165. What are the five types of walk in a dressage test?
166. What are known as the filters in the circulatory system?
167. With a horse that has quarter cracks, what type of shoe can be used to transfer weight from the wall of the hoof to the frog?
168. Name two locations on a roan horse's body that may be solid-colored.

169. What is the main tube of the respiratory system called?
170. Name the unsoundness that causes excessive pressure on the 3rd phalanx or coffin bone.
171. Name in order from the smallest to largest the five major lower leg markings?
172. Why can foals and growing horses usually be fed in groups with little problem?
173. Where was the Fox-Trotting horse developed in the nineteenth century?
174. Name two common fly pests of horses in which only the females take blood meals.
175. What is proud flesh?
176. What is the name for dark spots on a white cornet band?
177. What are the three basic parts of the bridle?
178. What is the essential component of the hemoglobin of the red blood cells?
179. What function do long bones serve?
180. Spell the horse color that is a dilution of black resulting in mousey or smoke-colored with black points and a dorsal stripe?
181. What protects the brain?
182. What is the most common infectious respiratory diseases of the horse?
183. Name the four components of the horse's top line?
184. What is the primary function of the sole of the foot?
185. What is the Nervous System made up of?
186. HERDA is a rapidly emerging disease where the skin becomes weak, and the layers begin to separate. Which breed is affected by this disease?
187. Name 3 areas of the horse's body where it sweats readily.

188. What is the term for a foot disease characterized by the degeneration of the frog and a thick, foul-smelling discharge?
189. In reference to wound care, name (4) purposes of a bandage.
190. What is the term for a long rope fastened to a horse's halter allowing the horse to move in a circle around a person holding the other end of the rope?
191. Explain the difference between roan and gray.
192. On what area of the horse does "wet mange" usually first appear?
193. Give the average temperature, pulse, and respiration of a two-week-old foal.
194. What famous foundation sire carried President James Monroe on a Muster-Day parade ground?
195. Which legume is noted for sometimes having a mold infection that may cause a horse to slobber?
196. Three-day event competition involves which three tests?
197. What diagnostic test is represented by the letters CBC?
198. In a horse business operating for profit, an owner may deduct the reduction in value of equipment or animals from their income for the year. What is the term for annual loss in value called?
199. What is the dominant color of the Lipizzan breed?
200. On what part of the horses do stable flies prefer to feed on?
201. What is a horse's largest organ?
202. What part of the digestive system is the site for a major portion of nutrient absorption?

203. What is the term used to describe when a nail is being driven too close to the sensitive laminae?
204. What is the name of the thoroughbred ridden by General Custer in the Battle of Little Big Horn?
205. What is the recommended amount of pasture per horse?
206. What is the job of the skeleton?
207. Approximately how much does an average mature American Miniature horse weigh?
208. What is a wolf tooth?
209. Name four changes that can be observed in the horse as it ages.
210. Define an “essential “amino acid.
211. To what side of the heart does blood return from the body?
212. What is the purpose of panniers when trail riding?
213. What is the common name for the Apocrine Tubular Glands of the horse?
214. What part of the digestive tract is the primary site for absorption?
215. Which Spanish explorer was credited with bringing the first spotted horse to the North American continent?
216. Name the breed of horse that gained fame as a short-distance runner of 440-yard races.
217. Name four vices of horses that are dangers to man.
218. What is the term for the profuse sweating of a horse?
219. Name three of the haircoat colors of the American Morgan Horse Association.
220. What is the scientific name for the egg?

221. Name four things that can cause skin and hair problems in horses.
222. 2-part question. How many chestnuts does a horse have and where are they located?
223. When hay is green it possesses larger quantities of beta-carotene, therefore making green hay richer in what vitamin?
224. When viewed from the rear, which part of the horse's hindquarter should be the widest?
225. In reference to "Body Condition Score", name three of the six body sites that are evaluated.
226. What does an uneven wear pattern on a horseshoe indicate?
227. How would you describe a horse whose toes point outward (toes-out)?
228. At what age do permanent incisor teeth appear?
229. Give two reasons why you do not need to add Vitamin B to a horse's ration.
230. What is the general name for cracks in the hoof wall?
231. There are three types of saddles in the Hunt or Forward Seat category. What are they?
232. What is the general term for inflammation of a tendon?
233. The name of a hoof disease characterized by degeneration of the frog and a thick, foul-smelling discharge.
234. Where did the Haflinger originate?
235. What gait is the Peruvian Paso known for?
236. What 2 minerals make up 70% of the horse's body?

237. The name of the “first milk” produced by the mare after foaling is colostrum.
What does colostrum provide to the newborn foal?
238. When a horse sees the same scene with both eyes at once is called what type of vision?
239. What do bones do?
240. What group registers and records Thoroughbred horses?
241. What word describes a horse owner who fails to use such care as a reasonable and prudent person would use under similar circumstances? This conduct is not protected by Equine Activity Liability Laws.
242. What is the general purpose of a pre-purchase exam?
243. What is the purpose of an anti-sweat sheet?
244. Name five vital signs that are assessed when examining a horse.
245. What leg marking runs from the coronet to just below the knee?
246. What is an impaction?
247. How do you measure the size of an English saddle?
248. What term is used to describe mares that are not pregnant and were not bred in the previous or current season?