

2022 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 2022 will automatically roll into 2023.
- 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. When thinking about tack, what is the term for a girth like band passed over the horse's back and around the belly? Often seen as a training aid to a horse that isn't ready for a saddle.
2. In reference to "Body Condition Score", name three of the six body sites that are evaluated.
3. What are the five main nutrients that horse's need?
4. What do bones do?
5. Name five vital signs that are assessed when examining a horse.
6. The soluble carbohydrates are digested and absorbed where?
7. Muscles are attached to bones by what tissue?
8. Name the breed of draft horse that is believed to have had an infusion of Arab and Barb (hot blooded) ancestry.
9. The American pony is the result of crossing what two breeds?
10. On what area of the horse does "wet mange" usually first appear?
11. When viewed from the rear, which part of the horse's hindquarter should be the widest?
12. Name three factors that influence the water requirements of a horse.
13. Where is the white line located?
14. The name of a hoof disease characterized by degeneration of the frog and a thick, foul-smelling discharge.
15. At what angle should the horse's shoulder be?
16. Name 3 areas of the horse's body where it sweats readily.
17. Why can foals and growing horses usually be fed in groups with little problem?

18. Is the horse a ruminant or non-ruminant?
19. Explain the difference between roan and gray.
20. What is the main tube of the respiratory system called?
21. What are the three basic parts of the bridle?
22. How do you measure the size of an English saddle?
23. When a horse sees the same scene with both eyes at once is called what type of vision?
24. Give the average temperature, pulse, and respiration of a two-week-old foal.
25. What is the most common infectious respiratory diseases of the horse?
26. What is the most economical protein supplement fed to horses?
27. What word is defined as any deviation in structure or function that interferes with the horse's intended use or performance?
28. What is the normal pulse rate for a horse at rest?
29. What type of bit acts like a snaffle or curb combined into one mouthpiece?
30. What is the purpose of the flank cinch on a roping saddle?
31. What are the five types of walk in a dressage test?
32. What is a small organism that lives on or in and at the expense of a larger organism called a host?
33. Why is creep feeding of foals recommended when foals are 30-60 days old?
34. What is the name for a shoe with a convex bar connecting at its heels?
35. Your horse has been injured and is bleeding. How would you know that an artery is involved?
36. What type of saddle is specially designed with a flat seat, forward short flaps, and no extra knee roll?

37. On what part of the horses do stable flies prefer to feed on?
38. What is an impaction?
39. 2-part question. When constructing a horse stall, what spacing should be used for the bars on the partitions, and give one reason why?
40. The horse is classified as a nonruminant herbivore. What does this mean?
41. What are keg shoes?
42. What is the name of the state in which the first American racetrack was built?
43. Which legume is noted for sometimes having a mold infection that may cause a horse to slobber?
44. The corner of the mouth should have how many wrinkles with a properly fitted snaffle bit?
45. What is parrot mouthed?
46. What causes heat cramps?
47. What fruit did the Palomino name derive from?
48. Name the type of colic resulting from a blockage of the intestinal tract with normal ingesta or with foreign material.
49. What is the purpose of screening or dragging your pastures to spread out manure piles?
50. Explain the difference between monocular and binocular vision.
51. What breed of horse was developed by the East Coast Indians from the early Spanish horses?
52. What part of the digestive tract is the primary site for absorption?
53. Name the two major components of blood.
54. An adult horse's body is about what percentage of water?

55. Name 2 breeds of the Native Horse.
56. Give two reasons why you do not need to add Vitamin B to a horse's ration.
57. What is the name of the thoroughbred ridden by General Custer in the Battle of Little Big Horn?
58. What organ functions as a blood filtering system, responsible for the excretion of waste products?
59. What is the Nervous System made up of?
60. Name the four components of the horse's top line?
61. In reference to packing, what is the manta?
62. What is proud flesh?
63. What is monocular vision?
64. What breed was developed from the mixture of Barb, Andalusian and Spanish Jennet?
65. Where did the Haflinger originate?
66. To maintain freshness, what is the maximum amount of time that commercially prepared feed should be stored in a stable?
67. How long is a horn fly's life cycle?
68. The visual appraisal of hay is more than just sight or looking at the hay. What are the other two components?
69. In what type of Western class is a tie-down commonly seen being used?
70. What type of internal parasite primarily affects foals and young horses?
71. What is the primary function of the sole of the foot?
72. How should sodium chloride be fed in a horse's diet?
73. Approximately how much does an average mature American Miniature horse weigh?

74. What is the term for soft, fluid-filled lumps usually found near the fetlock joint?
75. What are immunoglobins?
76. Define an “essential “amino acid.
77. Describe what parts of the horse interfere when a horse “forages.”
78. Name two ways that veins differ from arteries.
79. What are wind puffs, and are they a blemish or unsoundness?
80. Describe base-wide conformation.
81. What is the dominant color of the Lipizzan breed?
82. In reference to wounds or injury, give four purposes of bandaging.
83. What is the general term for inflammation of a tendon?
84. What is the essential component of the hemoglobin of the red blood cells?
85. What are two considerations when installing a paddock gate?
86. What is the first step in treating an abscess?
87. There are three types of saddles in the Hunt or Forward Seat category. What are they?
88. How many bones are in the sternum?
89. What is the purpose of an anti-sweat sheet?
90. What does the term lactation mean?
91. What leg marking runs from the coronet to just below the knee?
92. Which draft horse breed has registered more per year than all other draft breeds combined?
93. What breed of horse is known as the “aristocrat” of the showring?
94. What is the skin color of a purebred Arabian?
95. Name four vices of horses that are dangers to man.

96. What is a crupper?
97. What strap is commonly seen on a Western bridle that is not present on a simple English Bridle?
98. What disease in foals is called “shaker foal syndrome” because of marked muscle tremors?
99. What problem develops from too much Vitamin D?
100. Which legs are the hardest part of the horse to keep sound?
101. Name two important factors that affect hay quality.
102. Horses with sickle hocks are predisposed to what problem?
103. Name four areas of the horse that lice are usually first noticed.
104. What group registers and records Thoroughbred horses?
105. What is the term that refers to any inflammatory disease of the lungs?
106. What is the proper name for nutrients sometimes referred to as “building blocks”?
107. In reference to wound care, name (4) purposes of a bandage.
108. When was the first purebred Arabian horse breeding program started in the United States?
109. What is the name for dark spots on a white cornet band?
110. 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?
111. There are two distinct types of Shetland pony. What are they?
112. Which hay would ideally have a higher calcium content, timothy or clover?
113. What are “trace minerals”?
114. Why is it important for a horse to have a “clean” throat latch?

115. Name three things whose length are determined by shoulder angle.
116. Horses with thin brittle hoof walls can benefit from being fed what nutrient?
117. Name in order from the smallest to largest the five major lower leg markings?
118. 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?
119. What is the recommended amount of pasture per horse?
120. What is the job of the skeleton?
121. Name the unsoundness that causes excessive pressure on the 3rd phalanx or coffin bone.
122. What is the term used to describe when a nail is being driven too close to the sensitive laminae?
123. What is the product of a stallion and a jenny called?
124. What is the normal length of gestation of a mare?
125. What does an uneven wear pattern on a horseshoe indicate?
126. What is a wolf tooth?
127. In addition to the hitch, how should a bumper-pull trailer be attached to the towing vehicle?
128. Name four changes that can be observed in the horse as it ages.
129. Name four of the minerals found in a block of trace mineralized salt.
130. What is the most common blemish of the hind limbs?
131. A normal foal weighs what percent of the mare's body weight?
132. Name 5 grass hays.
133. Where in the digestive tract are amino acids synthesized?

134. How many bones are in the horse's skeleton?
135. What is the main function of a headstall?
136. What joint corresponds to the human knee?
137. How many times a year is a frog naturally shed in a horse's foot?
138. What is the name for the tendon located above the hock?
139. What are oat groats?
140. Approximately how much blood does a 1000 lb. adult horse have?
141. How many quarts of milk does an average size mare produce daily?
142. What is the primary vector that transmits equine encephalomyelitis?
143. When hay is green it possesses larger quantities of beta-carotene, therefore making green hay richer in what vitamin?
144. This body color is reddish or copper-red; mane and tail usually same color as body, but may be flaxen.
145. What does net energy refer to?
146. What is the name for an inflammation of the udder?
147. What is normal breathing rate of a standing horse at rest?
148. In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
149. What is the study of hormones and their effects called?
150. Give four characteristics of a healthy hoof.
151. What is the term for the profuse sweating of a horse?
152. What is the purpose of panniers when trail riding?
153. From what part of the horse's digestive tract are gut sounds mainly heard?

154. Name three of the haircoat colors of the American Morgan Horse Association.
155. What protects the brain?
156. Name 2 important factors that affect hay quality.
157. What is the star-shaped or circle-like structure near the center of the wearing surface of the permanent incisor?
158. What is the required combined weight of the saddle and jockey for colts and fillies running the Kentucky Derby?
159. Give six symptoms of colic.
160. What part of the digestive system is the site for a major portion of nutrient absorption?
161. 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?
162. Where in the horse's digestive system would you find bot larva attached?
163. When feeding barley to horses, in what form should it be fed?
164. What is the main reason for using a web stall guard as a door?
165. The horse's skin is composed of two layers. What are they?
166. Name two locations on a roan horse's body that may be solid-colored.
167. Describe a "pig-eye"
168. What nutrient is both a lubricant and a regulator of body heat?
169. What is the determining factor (body part) in the ratio of the top to the bottom line of the horse's neck?
170. Why would the size of the nostrils be important to a horse?
171. At what age do permanent incisor teeth appear?

172. What 2 minerals make up 70% of the horse's body?
173. What state was the raising and racing of racehorses centered in colonial America?
174. What problem can occur when using a tail wrap?
175. What color are the eggs of the nose bot fly?
176. Give two functions of clips on horseshoes.
177. 2-part question. How many chestnuts does a horse have and where are they located?
178. What color skin does a true white horse have?
179. What by-product can be added to a horse's ration as a source of additional fiber?
180. Give two functions of the "butt bar" in a horse trailer.
181. What famous foundation sire carried President James Monroe on a Muster-Day parade ground?
182. What type of English saddle is designed to give the rider optimum leg contact with the horse?
183. What is the scientific name for the egg?
184. Black Hand No. 1 is the foundation sire of the Pony of Americas; he was the result of a mating of what two breeds?
185. What part of the hoof supports the primary weight of the horse?
186. There are four classes of horses based upon their nutritional class or status in life. Name the classes.
187. In terms of the horse's skeleton, what is the mandible?
188. How long does food stay in the horse's stomach before passing on into the small intestines?
189. What is the general purpose of a pre-purchase exam?

190. Name two characteristics that help to develop a good person when attending horse shows?
191. What is the common name for the Apocrine Tubular Glands of the horse?
192. What are 4 of the 6 factors that influence deworming programs?
193. What two factors determine hoof size?
194. Describe the ideal wither.
195. In reference to the horse world, give three definitions of the term maiden.
196. Where was the Fox-Trotting horse developed in the nineteenth century?
197. Name 4 factors that may cause temperature variation in the individual horse.
198. Where is the hoof wall thickest?
199. To what side of the heart does blood return from the body?
200. Define parrot mouth.
201. There are how many irregularly shaped flat bones that make up the skull?
202. Secretariat won the Belmont Stakes in record time – what was it?
203. What is the conformation in which the knees are bent forward called?
204. Name three registered breeds of horses which the horse's ancestry is 50% Arabian in origin.
205. In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
206. Name four things that can cause skin and hair problems in horses.
207. How many pairs of ribs does a horse have?
208. What do we call the unborn animal as it develops in the uterus?
209. What are the two most important aspects of ideal conformation of the forelimbs?

210. Name four protein supplements that are commonly fed to horses.
211. What is the frog?
212. An excess level of phosphorus and a low level of calcium can cause what disease?
213. What is the best way to prevent dental problems?
214. Yearly fertilizer applications should be applied to pasture at what time?
215. What is it called when a pigeon-toed horse throws the front feet outward while traveling?
216. Give four symptoms of a horse with Tetanus.
217. What is the term for a wide patch of white down the face covering the full width of the nasal bones?
218. What gait is the Peruvian Paso known for?
219. Why is a horse or mule with little or no withers undesirable as a pack animal?
220. Name the breed of horse that has a natural running walk.
221. What is the largest tissue mass in the horse's body?
222. What color horse has a black mane and tail, the body color of brown or black with light areas at the muzzle, eyes, flank and inside of the upper legs?
223. Three-day event competition involves which three tests?
224. What are known as the filters in the circulatory system?
225. What function do long bones serve?
226. What is the plaited rawhide part of the hackamore that fits over the nose?
227. What is the general name for cracks in the hoof wall?
228. What is the condition called when a horse has acute abdominal pain?
229. Five four features of a horse trailer that provide added safety for the horse.

230. When should mares be placed under artificial lighting to ovulate in mid to late February?
231. Hay that is beige in color can be indicative of what two factors?
232. Name three things that Vitamin A does for a horse.
233. At the turn of the century, what was the standard that the Standardbred horse had to meet to become registered?
234. If a horse is afraid of something and is unable to run away from the source of fear, what top options does the horse have?
235. Name 2 health problems that moldy and dusty hay can create.
236. Which grain when fed in excess may form a dough-ball in the horse's stomach?
237. What is the term for a foot disease characterized by the degeneration of the frog and a thick, foul-smelling discharge?
238. Give (4) reasons why exercising a horse in a swimming pool is beneficial for the horse.
239. How many permanent teeth does a mare have?
240. How many teeth does a mature male horse have?
241. In liters, what is the capacity of the large colon?
242. There are seven different types of western saddles, name four.
243. What is a horse's largest organ?
244. Name three breeds of American horses that can trace its foundation back to the Morgan horse.
245. What is another name for "equine distemper"?

246. For proper digestive tract function, horses require a minimum of what percent of their body weight per day in long-stem dry matter?
247. Which breed is the only breed to be named after an individual horse?
248. What are two functions of the hackamore knot?