

Mississippi Master Cattle Producer Program Breeding and Genetics Certification Exam



Contact Name								
Address	Street							
		<u> </u>						
	City				n			
	State				Zip Code			
Phone			E-mail Address					
Multiple-choice q	uestions:	Select the letter of the corr	ect answer.					
1. Which of the following would be a contemporary group?								
\bigcirc a. bulls and heifers, raised together				\bigcirc b. heifers from spring and fall calf crops				
⊂ c. heifers, san	ne age gr	oup, managed same	⊖d. b	\bigcirc d. bulls in same calf crop, some creep fed				
 2. Bull A has a weaning weight EPD of +25. Bull B has calves sired by Bull A, calves sired by Bull B can be exp a. 35 pounds heavier at weaning on average c. 10 pounds heaver at weaning in all cases 								
3. A bull that ratios 5% above the average of his contemporary group for adjusted yearling weight would have the following adjusted yearling weight ratio (a. 5) (b. 95)								
○ c. 100				∩d. 105				
4. Adjusted w	eights t	ake into account			, and			
a. postpartum interval, age of dam, pasture				○ b. calf age, management, age of sire				
⊂c. milk produ	c. milk production, frame size, calf age			\bigcirc d. calf age, management, age of dam				
5. Which of th	e follow	ving accuracy values	indicates the most re	eliable EP	D value?			
○a. 0.05				○ b. 0.30				
○ c. 0.65			⊖d. 0	⊂ d. 0.80				
6. The ability o	of a cros	sbred dam to produc	ce more and heavier	offspring	is called			
∩a. maternal h	eterosis		⊖b. iı	ndividual hy	ybrid vigor			
C. paternal he	C. paternal heterosis				⊂d. heritability			
7. In a termina	al crossb	preeding system						
○ a. replacement heifers are produced			⊖b. iı	\bigcirc b. individual heterosis of calves produced is low				
○ c. milk EPDs of terminal sires are critical			⊖d.a	\bigcirc d. all calves are marketed				

8. Which of the following economically important traits	would respond best to genetic selection?		
○ a. calving ease	⊖b. fertility		
⊂ c. ribeye area	⊂d. yearling weight		
9. Too much or too little angle or set at the hocks of a b	ull's rear legs can cause		
○ a. short stature	⊖b. screwclaw		
\bigcirc c. smooth strides covering tracks	\bigcirc d. joint wear and arthritis leading to lameness		
10. Which of the following is not another name for the r	milk and growth EPD?		
🔿 a. milk yield EPD	○ b. maternal weaning weight EPD		
○ c. total weaning weight EPD	○ d. combined maternal EPD		
11. The EPD that reflects the relative ease which a bull's all other bulls evaluated in a breed is	-		
C. birth weight	\bigcirc d. gestation length		
 12. Phenotype refers to a. true breeding value c. environment 	○ b. what we see or measure○ d. genotype		
13 in breeding animals at yearlin	g age can predict progeny carcass characteristics.		
○a. Rectal palpation	○ b. Ultrasound measurements		
○ c. Body condition scores	⊖d. Pelvic measurements		
14. A practical use of DNA fingerprinting is			
○a. animal identification	\bigcirc b. to improve bovine embryo harvest and storage		
\bigcirc c. to correct growth performance problems	⊖d. sex control		
15 overcome the weakness inherent i to enter custom data instead of using data designed for O a. Adjusted weights	use across multiple breeders/producers. C b. Interactive decision support tools		
\bigcirc c. Marker-asssisted expected progeny differences	⊂ d. Customized DNA SNPs		