

○ c. milk EPDs of terminal sires are critical

Mississippi Master Cattle Producer Program Breeding and Genetics Certification Exam



Contact Name						
Address	Street					
	C:to.					
	City					
	State			Zip Code		
Phone			E-mail Address			
Multiple-choice	questions:	Select the letter of the co	rrect answer.			
1. Which of th	ne follov	ving would be a con	temporary group?			
○ a. bulls and	heifers, ra	ised together	○ b. ł	○ b. heifers from spring and fall calf crops		
○ c. heifers, sa	me age g	roup, managed same	○ d. k	○ d. bulls in same calf crop, some creep fed		
 2. Bull A has a weaning weight EPD of +25. E calves sired by Bull A, calves sired by Bull B c a. 35 pounds heavier at weaning on average c. 10 pounds heaver at weaning in all cases 			B can be expected to b. 1	5 5		
		% above the average wing adjusted yearli	•	y group for adjusted yearl 95	ing weight	
○ c. 100			○ d. 1	05		
4. Adjusted w	veights t	take into account		, and	·	
○ a. postpartu	m interva	l, age of dam, pasture	○ b. c	○ b. calf age, management, age of sire		
C. milk production, frame size, calf age			○ d. c	C d. calf age, management, age of dam		
5. Which of th	he follov	ving accuracy values	indicates the most r	eliable EPD value?		
○ a. 0.05			○ b. 0	○ b. 0.30		
○ c. 0.65			○ d. 0	Od. 0.80		
6. The ability	of a cro	ssbred dam to produ	uce more and heavier	r offspring is called		
a. maternal heterosis			○ b. i	○ b. individual hybrid vigor		
○ c. paternal heterosis			⊜d. ł	○ d. heritability		
7. ln a termin	al crossl	oreeding system				
○ a. replaceme	ent heifer	s are produced	○ b. i	\bigcirc b. individual heterosis of calves produced is low		

Od. all calves are marketed

8. Which of the following economically important t	raits would respond best to genetic selection?		
a. calving ease	○ b. fertility		
○ c. ribeye area	C d. yearling weight		
9. Too much or too little angle or set at the hocks of	f a bull's rear legs can cause		
a. short stature	○ b. screwclaw		
C. smooth strides covering tracks	C d. joint wear and arthritis leading to lameness		
10. Which of the following is not another name for	the 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 ball other bulls evaluated in a breed is	oull's calves are born to first-calf heifers compared to		
a. direct calving ease	○ b. maternal calving ease		
○ c. birth weight	C d. gestation length		
12. Phenotype refers to			
a. true breeding value	C b. what we see or measure		
C. environment	○ d. genotype		
13 in breeding animals at ye	arling 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	○ b. to improve bovine embryo harvest and storage		
○ c. to correct growth performance problems	○ d. sex control		
15 overcome the weakness inher to enter custom data instead of using data designe	ent in generalized selection indexes by allowing users of for use across multiple breeders/producers. © b. Interactive decision support tools		
C. Marker-asssisted expected progeny differences	○ d. Customized DNA SNPs		