B.V.Sc. & A.H. (Second Professional) Examination – 2022 Animal Genetics and Breeding Paper -II

Time: Three Hours	Maximum Marks: 100
Unit-3 (Principles of Animal Breeding)	Weightage: 20
Instructions:	
1) Attempt an questions	space provided along with
the question in question-booklet.	
3) Overwriting is not allowed in the objective type	question. $(20x0.5 = 10)$
Q.1 Fill in the blanks.	
1.1	scientific name of sheep.
1.2 According to 20 th livestock census the population of b	
1.3 Intensity of selection is also called as	selection differential.
1.4 Copper color breed of Buffalo	-
1.5 Crossing of large number of individual with a ter	ster line(inbred) is called
A STATE OF THE STA	
1.6 EPD stands for expected	difference.
	sp/ of India .
1.7 Nageshwari breed is an example of	
1.8 Project directorate for cattle is located at	in India.
breed of cattle is used for grading up of lo	ocal cattle in Kerala.
1.9 When more than two criterion is used selection is cal	lled as selection.
is considered as found	er of Animal Breeding.
1.11 Cows with	Mithun bull are called as
1.11 1.12 F1 male progeny produced by crossing Cows with	
	n as Dwarf cattle.
113	
C Duffalo is	<u></u>
1ccogn	ized cattle breeds.
1.15 India has	cently by NBAGR.
1.15 India hasbreed of horse was recognized as breed re	
L L	Page 3 of 16
AGB/Paper-II/83/S1/2 nd Yr/2022/M	

	Please write your Roll Number above this line	
	is milch cattle breed also called as "Desert Breed"	due to hardiness.
17	is milch cattle breed also day	
	of the animal is n	ever known but it
18 Th	ne actual breeding	
car	n be predicted	
	is the inbreeding coefficient of progeny p	produced by mating
.19 _	is the inorecume	,
-6	FFull Sibs	
01	Tuli Sios	W 28
.20 0	out crossing within a herd by the use of selected sires is known	
	a write the num	her of the correct
).2 C	Choose the most suitable answer and write the choose the most suitable answer and write the space given against each su nswer 1 or 2 or 3 or 4 in the space given against each su	b question:
21	nswer 1 or 2 or 3 or 4 in the space	(20x0.5 = 10)
2.1	Mating of unrelated individuals of same breed is known as	()
es il	Grading up	
	2. Crossbreeding	
	3. Inbreeding	
	4. Outcrossing	(/)
2.2	Tester line is used in	
	Recurrent selection Individual selection	/
	Reciprocal recurrent selection	/
	* XI Cabo aboug	C. Santina C. Santina
2.3	The following is/are a factor/factors affecting Response t	o Selection ()
	1. Intensity of selection	
	2. Accuracy of selection	
	3. Generation Interval	
	4. All of above The status of a species is called 'Vulnerable' when popu	lation size remains
2.4	The status of a species is called . analysis	()
	1. 0-100	
	2. 1000-5000	
	3. 100-1000	
	4. 5000-10000	4.1.001
2.5	The slowest genetic gain is achieved in me	ethod of Selection
	1. Tandem method	()
	Tandem method Independent culling method	
	3. Selection index	
	4. Sire index	
2.6		c importance with
2.0		()
	1. mature size	
	resistance to environmental stress	
	3. maternal performance	
	4. carcass traits	

	Please write your Roll Number above this line		
2.7	The measure of individual performance for a specific trait is its		
	value	()
	Average Additive		
	3. Phenotypic		
	4. Genotypic		
	Famous milch breed of India with half moon appearance of horns		
.8	Kankeraj Kankeraj Kankeraj	()
	2. Shahiwal		
	3. Gir		
	4. Umblacherry		
9	Mule is an example of		PIE
	1. Cross breeding	()
	2. Species Hybridization		
	3. Grading up		
	4. Commercial synthetic method		
10	Highest milk yielding goat breed of India		618
	1. Beetal	()
	2. Laskar		
	3. Jamnapari		
	4. Black Bengal		
11	Central Institute for Research in Goats is located at	18 10	
	1. Avikanagar	()
	2. Mumbai		
	3. Meerut		
	4. Makhdoom		
.12	Projet Directorate of Poultry is located at	1	1
	1. Chennai	()
	2. New delhi		
	3. Hydreabad		
	4. Nagaland		
.13	First five year plan started in		1
	1. 1949		
	2. 1956		
	3. 1947		
	4. 1951		
.14	Which famous milch breed of India had its native tract in Rajasth	an ()
	1. Gir		
	2. Red sindhi		
	3. Tharparkar		
2.15	4. Shahiwal		
413	In hilly and coastal area which exotic breed of cattle is used for cr in India	ossbr	eedin
	1. Jersey	()
	2. HF		
	3. Brown swiss		
	4. Ayreshire		

		er above this lin		
2.16	A native poultry breed of Gujarat with sir	igle comb	(
	1. Naked neck		`)
	Maria de la companya			
	- The TOTAL			
2.17				
	Cental duck breeding farm is located at		()
	1. Hessarghatta			
	2. Mumbai			
	3. Ludhiana			
2.18	4. Ahmedabad			
10	Which is smallest dog breed in world		(1
	1. Pug			,)
	2. Chihuahua			
	3. Dalmatian			
2.19	4. Pocket nom			
2.19	Culled rabbit is an 11 1			
	1. Kit)
	2. Bunny			
	3. Roaster			
2.20	4. Weapon			
2.20	Which one of following is a cat breed			
	- Greece		()
	2. Bombay			Tir
	3. Athens			/
	BEST DOLLARS THE SECOND OF THE SECOND			
03	4. Americana			
Q.3	Attempt any ten out of the following	twelve and		
Q.3 3.1	Attempt any ten out of the following question should be in 2 to 2 !!	twelve questions	. Answer of	f each
	Attempt any ten out of the following question should be in 2 to 3 lines. Species	twelve questions	Answer of (10x2.0= 2	f each
	Attempt any ten out of the following question should be in 2 to 2 !!	twelve questions	Answer of $(10x2.0=2)$	f each 0)
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3.1	Attempt any ten out of the following question should be in 2 to 3 lines. Species Preservation Breeding efficiency	twelve questions	Answer of (10x2.0= 2	f each 0)
3.1	Attempt any ten out of the following question should be in 2 to 3 lines. Species Preservation	twelve questions	Answer of (10x2.0= 2	f each 0)

	Most probable producing ability	
	Sib selection	
)	Corrected daughters average index	
7	Inbreeding	
	the state of the s	
.8		
.8		
	Selection plateau	
	Selection plateau	
	Selection plateau	
.8	Selection plateau	

	Places write your Roll Number above this line
3.10	Please write your Roll Number above this line livestock census
3.11	Pedigree sheet
3.12	Genetic marker
\ -	
Q.4 4.1	Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. (6 x 6.0 = 36) Principles of conservation
	question should be in 8 to 10 lines. $(6 \times 6.0 = 36)$

	Methods of data correction	
4.2	Memore	
-		
-	Didinational calcution	
4.3	Bidirectional selection	

	Please write your Roll Number above this line
4.4	Advantages of Individual selection
	Advantages of Individual selection
	Not been all the second of
	Company of the contract of the second of the
5	
	Independent culling level
5	Independent culling level
	Independent culling level

6	nd demerits of Pedigree selection	
4.7 Captiv	ve breeding	
	The state of the s	
	the signal Policies in a strend to bus any labor or assessment of party.	
1212	The plant to the end of the end o	
	and the state of t	
	La participa de malera y regunsina ar ma a pro-	
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	Closed nucleus breeding scheme
 Q.5	Answer the following question in 1-2 pages (attempt any two).
 Q.5	
	(2x12.0 = 24)
5.1	What is response to selection and intensity of selection? Explain the various factors affecting both of them? (2+2+8) What is genetic principle of progeny testing? Explain in detail the
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