

PREVIEW QUESTION BANK

Module Name : ANIMAL SCIENCES-ENG
Exam Date : 09-Jul-2023 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	2901	Given below are two statements: Statement (I) : Livestock sector plays a multidimensional role in agricultural development of India and has contributed immensely to the national GDP. Statement (II) : Livestock sector has created a significant impact on equity in terms of employment and poverty alleviation. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are true. - Both Statement (I) and Statement (II) are false. Statement (I) is true but Statement (II) is false. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	2902	Given below are two statements based on All India Livestock Survey 2012 & 2019 : Statement (I) : There was about 10% increase of buffaloes in 2019 Statement (II) : There was about 10% decrease of goats in 2019 In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. Statement (I) is correct but Statement (II) is incorrect. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

3 2903

4.0 1.00

Given below are two statements:

Statement (I) : Pashmina, much finer speciality fibre is produced from goats reared in high altitude Himalayas.

Statement (II) : Pashmina fibre in fact has originated from India.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

4 2904

4.0 1.00

Who has been made as 'Nodal Agency' in 2008 by 'Indian Council of Agricultural Research' for the registration of new breeds of livestock and poultry species?

1. NBAGR, Karnal
2. NDRI, Karnal
3. NDDB, Anand
4. CSWRI, Avikanagar

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

5 2905

4.0 1.00

A homogenous, sub-specific group of domestic livestock with definable and identifiable external characteristics that enable it to be separated by visual appraisal from other similarly defined groups is called as

1. Cross-bred
2. Breed
3. Strain
4. Race

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

6 2906

Given below are two statements:

Statement (I) : Assamese buffaloes have 48, 49 and 50 chromosomes.

Statement (II) : Manipuri buffaloes have 48 chromosomes, and are true swamp buffaloes

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

7 2907

4.0 1.00

4.0 1.00

Given below are two statements:

Statement (I) : A large scale introduction of Russian Merino and the Rambouillet in Jammu and Kashmir over last 5 decades has resulted in the development of a new breed, Kashmir Merino.

Statement (II) : Kashmir Merino has lower wool yield than Merino and is not suitable under long migration.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

8	2908	The Bannur (or Bandur) breed is prized for meat. It has been developed through intensive selection from which breed by the farmers of Karnataka state? 1. Nilgiris 2. Karakul 3. Mandya 4. Caracul	4.0	1.00
		A1 : 1 A2 : 2 A3 : 3 A4 : 4		

Objective Question

9	2909	What is referred-to for the 'culling of uneconomical stock at proper time'? 1. Weeding 2. Heeding 3. Auction 4. Isolation	4.0	1.00
		A1 : 1		

A2 : 2

A3 : 3

A4 : 4

Objective Question

10	2910	What is recommended to sprinkle on the new born calf's body in order to induce its licking by the dam? 1. Luke warm water 2. Tobacco powder 3. Dam's urine 4. Common salt A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

11	2911	What should be administered to calf in the absence of dam's colostrum in order to develop passive immunity? 1. Dam's serum - intravenously 2. Dam's blood - intramuscularly 3. Dam's milk - orally 4. Dam's skimmed milk - orally A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

12	2912		4.0	1.00
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Given below are two statements:

Statement (I) : Heifers of zebu breeds mature and calve earlier as compared to European breeds.

Statement (II) : The size and age of the heifers should be the basis for giving first service.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

13 2913

Given below are two statements:

Statement (I) : Duration of heat is shorter in zebu cattle as compared to European breed.

Statement (II) : The fact that heat period often occurs at night, complicates the breeding management.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

14 2914

4.0 1.00

4.0 1.00

Given below are two statements:

Statement (I) : Cessation of estrous, alteration in temperament and fattening tendency are some usual signs of pregnancy in heifers.

Statement (II) : Gestation period in buffaloes is 280 to 285 days.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

15	2915	Which of the methods of drying a cow during lactation is considered best? 1. Stopping milking forth-with 2. Incomplete milking 3. Intermittent milking 4. Suckling by calf	4.0	1.00
		A1 : 1 A2 : 2 A3 : 3 A4 : 4		

Objective Question

16	2916	What is inappropriate with respect to breeding of ewes and does? 1. Topping period should not exceed 3 months 2. Breeding of ewes/does should be so regulated as to obtain crop throughout the year 3. It is good to put ram with ewes at night during topping period 4. It is good not to allow ram with ewes during grazing during topping period	4.0	1.00
		A1 : 1		

A2 : 2

A3 : 3

A4 : 4

Objective Question

17 2917

Which of the followings should not be the feature/ provision at the livestock farm?

1. Good drainage, plenty of fresh air, sun-shine and shelter from inclement weather
2. Site away from human habitations, but near to market
3. Ample water and electricity but not the amenities for farm staff
4. Location near to all weather road

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

18 2918

For Mehsana buffalo bull station, what should be the optimum floor space requirement (covered and open area, respectively) per bull?

1. 10 m² and 100 m²
2. 12 m² and 120 m²
3. 15 m² and 150 m²
4. 20 m² and 200 m²

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

19 2919

What should be the speed of practically calm wind?

1. 1 km / hr
2. 3 km / hr
3. 5 km / hr
4. 9 km / hr

A1 : 1

4.0

1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

20 2920

4.0

1.00

Given below are two statements:

Statement (I) : Direct sunlight has germicidal action due to UV rays.

Statement (II) : Direct sunlight has germicidal action due to dehydrating effect of its thermal rays.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

21 2921

4.0

1.00

Given below are two statements:

Statement (I) : Size of buffalo ovaries is generally smaller than cattle.

Statement (II) : Right ovary of cow and buffalo is slightly smaller than the left.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

22	2922	Which of the following statements is wrong? 1. Penis has the dual function 2. Terminal part of boar's penis is spiralled 3. Intromission in bull is of shorter (about 2 seconds) duration 4. Secretion of accessory sex glands mixes with spermatid fluid in penile urethra A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

23	2923	What term defines for "the age at which the generative organs become functional and reproduction may occur"? 1. Puberty 2. Fecundity 3. Mating 4. Spermiogenesis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

24	2924	What is the correct order of occurrence of 4 phases of oestrus cycle ? 1. Proestrus – Oestrus – Dioestrus – Metestrus 2. Oestrus – Metestrus – Proestrus – Dioestrus 3. Proestrus – Oestrus – Metestrus – Dioestrus 4. Dioestrus – Metestrus – Proestrus – Oestrus A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

25	2925	Which agency implemented world's biggest dairy development project in three phases in India? 1. National Dairy Development Board 2. State Cooperative Milk Marketing Federations 3. National Dairy Research Institute 4. Indian Veterinary Research Institute A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

26	2926	Given below are two statements: Statement (I) : Breed-wise Report of Livestock and Poultry, based on 20th Livestock Census (India) covered 184 indigenous/exotic breeds of 19 selected species. Statement (II) : Basic Animal Husbandry Statistics (2022) was published by Department of Animal Husbandry and Dairying; Ministry of Fisheries, Animal Husbandry & Dairying; Government of India in March 2023. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below: 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

27	2927		4.0	1.00
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Given below are two statements:

Statement (I) : According to Breed-wise report of Livestock and Poultry, based on 20th Livestock Census (India); Gir and Lakhimi have the highest population among all the cattle breeds.

Statement (II) : Out of the total Indian buffaloes (according to Breed-wise Report of Livestock and Poultry based on 20th Livestock Census of India), 20.3% are pure bred, 34.3% are graded and the remaining 45.4% are non-descript.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

28 2928

Given below are two statements:

Statement (I) : As per the 20th Livestock Census, 13.83% of the Indian livestock population is sheep.

Statement (II) : Among the pure exotic breeds, Corriedale is having a share of 17.3% (Breed-wise report of Livestock and Poultry based on 20th Livestock Census of India).

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

29	2929	Given below are two statements: Statement (I) : Total milk production in India was 221.06 million tonnes during 2021-22 (Basic Animal Husbandry Statistics 2022). Statement (II) : According to Basic Animal Husbandry Statistics 2022; top 5 milk producing states in India are Rajasthan, Uttar Pradesh, Madhya Pradesh, Haryana and Andhra Pradesh. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. Statement (I) is correct but Statement (II) is incorrect. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

30	2930	Given below are two statements: Statement (I) : India ranks 5th in world in terms of total egg production (Basic Animal Husbandry Statistics 2022). Statement (II) : The per-capita availability of egg (2021-22) in India was 95 eggs per annum (Basic Animal Husbandry Statistics 2022). In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. Statement (I) is correct but Statement (II) is incorrect. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

31	2931		4.0	1.00
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Find the mode of the following integers:

-18, -13, 0, 16, 3, -15, 0, 11, -14, 0, 12

1. 0
2. -18
3. 16
4. 12

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

32 2932

What is the median age of the 7 cows whose ages are listed below?

11, 10, 13, 11, 12, 16, 14

1. 10
2. 11
3. 16
4. 12

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

33 2933

A population has a mean (μ) of 45 and a standard deviation (σ) of 8. After 5 points are added to every score in the population, what are the new values for the mean and standard deviation?

1. $\mu=45$ and $\sigma=8$
2. $\mu=45$ and $\sigma=13$
3. $\mu=50$ and $\sigma=8$
4. $\mu=50$ and $\sigma=13$

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

A4 : 4

Objective Question

34 2934

If the scores on a test have a mean of 36 and a standard deviation of 4, what is the z-score for a score of 26?

1. 2.5
2. 25
3. -2.5
4. -0.25

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

35 2935

A population has a $\mu=50$ and $\sigma=10$. If these scores are transformed into z-scores, the population of z-scores will have a mean and standard deviation of

1. $\mu=50$ and $\sigma=10$
2. $\mu=50$ and $\sigma=1.96$
3. $\mu=1$ and $\sigma=0$
4. $\mu=0$ and $\sigma=1$

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

36 2936

4.0

1.00

Given below are two statements:

Statement (I) : Vrindavani crossbred cattle has been evolved at CIRC, Meerut in collaboration with Military Farms of the country.

Statement (II) : A low heritability is desired in breeding for the rapid progress.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 2937

Assuming Hardy-Weinberg equilibrium, the genotypic frequency of heterozygotes, if the frequency of the two alleles at the gene being studied are 0.6 and 0.4, will be

1. 0.80
2. 0.64
3. 0.48
4. 0.32

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

38 2938

A single strand of DNA has an A+T/C+G ratio of 1.67. The ratio in the complementary strand would be

1. 0.60
2. 1.33
3. 1.45
4. 1.67

A1 : 1

4.0 1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

39 2939

4.0

1.00

Given below are two statements:

Statement (I) : An exception to Mendel's law is linkage.

Statement (II) : Many traits are inherited in a non-Mendelian fashion.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

40 2940

4.0

1.00

Which genetic disorder causes the body to produce unusually thick mucus in the lungs and intestines?

1. Hemophilia
2. Down syndrome
3. Cystic fibrosis
4. Sickle-cell disease

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

41 2941

4.0

1.00

A gene contains 141 codons. How many nucleotides are present in the gene's coding sequence? How many amino acids are expected to be present in the polypeptide encoded by this gene?

1. 423 & 141
2. 420 & 140
3. 415 & 135
4. 400 & 110

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

42 2942

A woman has a rare abnormality of the eyelids called ptosis. This condition is caused by a dominant allele P. The woman's father had ptosis, but mother had normal eyelids. Her father's mother had normal eyelids. What proportion of the woman's children will have ptosis if she marries a man with normal eyelids?

1. 1/2
2. 1/3
3. 1/4
4. 2/3

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

43 2943

If four calves are born on a given day. What is the chance that two will be males and two will be females?

1. 3/16
2. 1/16
3. 2/16
4. 4/16

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

44 2944

4.0

1.00

Followings are the statements about the structure of DNA:

(A) $A + T = G + C$

(B) $A = G$; $C = T$

(C) $A/T = C/G$

(D) $T/A = C/G$

(E) $A + G = C + T$

Choose the **correct** statement/s from the options given below:

1. (A), (B) and (D) only.
2. (A), (B) and (E) only.
3. (A), (B), (C) and (D) only.
4. (C), (D) and (E) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

45 2945

4.0

1.00

Eukaryotic chromosomes metabolically are most active during which phase?

1. Prophase
2. Metaphase
3. Interphase
4. Telophase

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

46 2946

4.0

1.00

Given below are two statements:

Statement (I) : Eukaryotes have a 5' cap on their mRNAs; prokaryotes do not have the same.

Statement (II) : Messenger RNAs of eukaryotes generally have a 3' poly-A tail; prokaryotic mRNAs do not have the same.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47 2947

Given below are two statements:

Statement (I) : 20^{146} amino acid sequences are possible in a polypeptide, which is 146 amino acids long.

Statement (II) : Four triplets do not code for any amino acid.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

48 2948

4.0 1.00

4.0 1.00

Inbreeding coefficient in the first generation when half sibs are bred is

1. 0
2. 0.062
3. 0.125
4. 0.25

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

49 2949

Given below are two statements:

Statement (I) : Regression of offspring on mid parents as compared to on one parent yields lower precision.

Statement (II) : Heritability estimates based on the full sib families are less précised as compared to half sib families.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

50 2950

4.0 1.00

Given below are two statements:

Statement (I) : Change in gene frequencies in erratic manner from generation to generation is called random drift.

Statement (II) : Random drift may lead to fixation or loss of entire genotypes in a population.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51 2951

Given below are two statements:

Statement (I) : Mean environmental deviation in population as a whole is taken to be zero.

Statement (II) : The tangible environmental variation arises due to un-known causes.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

52 2952

4.0 1.00

4.0 1.00

Given below are two statements:

Statement (I) : Dominance deviations are interactions of within locus.

Statement (II) : Breeding values and genotypic values are the same in the absence of dominance.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

53 2953

Given below are two statements:

Statement (I) : Interaction deviations exist when genotype refers to more than one locus.

Statement (II) : Epistasis describes how gene interactions can affect phenotypes.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

54 2954

4.0 1.00

Given below are two statements:

Statement (I) : Characteristics repeated in space are chiefly structural.

Statement (II) : Repeatability does not express the importance of temporary environment on a performance trait.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 2955

Given below are two statements:

Statement (I) : Genes, in general contribute more variance at low frequencies.

Statement (II) : Additive genetic variance occurs due to genes which show an additive effect on the quantitative trait.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

56 2956

4.0 1.00

Following statements are about the proximate principles:

- (A) Crude fiber represents soluble sugars in feed.
- (B) Organic matter excludes ash content in feed.
- (C) Nitrogen free extract represents carbohydrate fraction of feed.
- (D) Ether extract represents crude fat content in feed.

Identify the correct statements and choose the **correct** answer from the options given below:

1. (A), (B) and (C) only.
2. (B), (C) and (D) only.
3. (A), (B), (C) and (D).
4. (A), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

57 2957

4.0 1.00

Match List-I with List-II

List-I	List-II
(Carbohydrate type)	(Carbohydrate example)
(A) Monosaccharide	(I) Glycolipid
(B) Oligosaccharide	(II) Starch
(C) Polysaccharide	(III) Sucrose
(D) Complex carbohydrate	(IV) Glucose

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

58	2958	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Ruminants need rumen degradable proteins in their diet. Reason (R) : Ammonia is required for rumen microbial protein synthesis. In light of the above statements, choose the <i>correct</i> answer from the options given below. - Both (A) and (R) are true and (R) is the correct explanation of (A). - Both (A) and (R) are true but (R) is NOT the correct explanation of (A). (A) is true but (R) is false. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

59	2959	Which among the followings is an example of omega three fatty acid? - Oleic acid - Linoleic acid α-Linolenic acid - Arachidonic acid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
----	------	--	-----	------

Objective Question

60	2960	In energy partitioning, the gross energy content per unit of feed minus the gross energy content per unit of faeces resulting from consumption of that feed represents what among the followings? - Metabolizable energy - Digestible energy - Net energy - Urinary energy	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

61	2961	In monogastric animals, endogenous nitrogen losses are considered for measuring which among the followings? 1. Nitrogen retention 2. Protein efficiency ratio 3. Digestible crude protein 4. Biological value of protein	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

62	2962	The dietary requirement of macro minerals of animals is expressed as 1. Miligrams per kilogram of the diet 2. Percent of the diet 3. Micrograms per kilogram of diet 4. Kilogram per kilogram of diet	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

63	2963	The physiologically active form of vitamin D in the body is 1. 25-OH-D₃ 2. 25, 26-(OH)₂D₃ 3. 1, 25(OH)₂D₃ 4. 24, 25-(OH)₂D₃	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 2964

Which among the following enzymes is used as feed additive for degrading structural polysaccharides in poultry ration?

1. Phytase
2. Protease
3. β -glucanase
4. Lipase

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

65 2965

Match **List-I** with **List-II**

List-I	List-II
(Unconventional feed ingredient)	(Anti-nutritional/deleterious factor)
(A) Cottonseed cake	(I) Phorbol esters
(B) Neem seed cake	(II) Gossypol
(C) Jatropha seed cake	(III) Tannins
(D) Mango seed kernel	(IV) Nimbin

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)
4. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)

A1 : 1

A2 : 2

4.0

1.00

A3 : 3

A4 : 4

Objective Question

66	2966	The pH of very good quality silage shall be in the range of 1. 6.5 – 7.2 2. 3.5 – 4.2 3. 4.8 – 6.0 4. 4.2 – 4.5 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
----	------	---	-----	------

Objective Question

67	2967	The dry matter requirement of a cow weighing 400 kg would be 1. 10 kg 2. 5 kg 3. 15 kg 4. 20 kg A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

68	2968		4.0	1.00
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Arrange the following feed ingredients according to their crude protein content in ascending order:

- (A) Wheat straw
- (B) Maize stover
- (C) Lucerne fodder
- (D) Soybean meal

Choose the **correct** option from the answers given below:

- 1. (A), (B), (C), (D).
- 2. (B), (A), (C), (D).
- 3. (B), (A), (D), (C).
- 4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

69 2969

Which type of leukocytes (WBCs) is present in higher percentage in cattle?

- 1. Neutrophils
- 2. Eosinophils
- 3. Monocytes
- 4. Lymphocytes

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

70 2970

In which cell, mitochondria occupies more volume in cytoplasm?

- 1. Smooth muscle cells
- 2. White skeletal muscle cells
- 3. Cardiac muscle cells
- 4. Red blood cells (RBC)

A1 : 1

4.0 1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

71 2971

4.0 1.00

Given below are two statements, one is labelled as **Assertion (A)** and other one labelled as **Reason (R)**.

Assertion (A) : Relative thickness of the different limbs (the thin descending limb, thin ascending limb and thick ascending limb) of loop of Henle is different but lumen diameter is same.

Reason (R) : Difference in relative thickness is due to differences in the thickness of epithelial cells but does not refer to change in lumen diameter.

In light of the above statements, choose the **correct** answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

72 2972

4.0 1.00

Given below are two statements:

Statement (I) : Ectotherms are temperature conformers.

Statement (II) : Homeotherms are temperature regulators.

In light of the above statements, choose the **most appropriate** answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 2973

4.0 1.00

Given below are two statements:

Statement (I) : Sertoli cells secrete ABP, Inhibin, Estrogen and Activin.

Statement (II) : Release of spermatozoa into the lumen of seminiferous tubules is known as Spermiogenesis.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

74 2974

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Motility Pattern/Electrical activity in the digestive system)	(Interpretation)
(A) MAPC (Migrating Action Potential Complex)	(I) House keeper motility pattern shown during inter digestive period which increases the rate of small bowel propulsive motility
(B) MSB (Migrating Spike Burst)	(II) Electrical signal shown in the small intestine during parasitic infection
(C) MMC (Migrating Myoelectric Complex)	(III) Stationary contraction that performs mixing function in the large intestine especially in colon
(D) Haustration	(IV) Results in giant contraction in the colon

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

75 2975

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
Gastric cells	Secretion (Enzyme/Hormone/Acid)
(A) G cells	(I) Somatostatin
(B) D cells	(II) Pepsinogen
(C) Parietal cells	(III) Gastrin
(D) Chief cells	(IV) Gastric acid (Hcl)

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
2. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

76 2976

Match **List-I** with **List-II**

List-I	List-II
(ECG waves/Heart Sounds during Cardiac Cycle)	(Indication)
(A) P wave	(I) Closure of AV valves
(B) QRS complex	(II) Atrial depolarization
(C) First heart sound	(III) Closure of semilunar valves
(D) Second heart sound	(IV) Ventricular depolarization

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
4. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)

A1 : 1

4.0 1.00

		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
77	2977	What is the structure in the smooth muscle corresponding to Z line of skeletal muscle? 1. Dense bodies 2. Caveolae 3. M line 4. Bachmans bundle A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	2978	In which stage of estrous cycle, a cow ovulates? 1. Proestrous 2. Estrous 3. Metestrous 4. Anestrous A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	2979		4.0	1.00

Given below are two statements:

Statement (I) : Colostrum provides natural passive immunity in cattle.

Statement (II) : Cell mediated immunity is a part of innate immune system.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

80 2980

Given below are two statements:

Statement (I) : A shift to right in the Hemoglobin- Oxygen dissociation curve (ODC) indicates that Hemoglobin has a decreased affinity for oxygen.

Statement (II) : Principal gas (by percentage) produced in the rumen after fermentation of dietary substrate is CO₂ and not methane.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

81 2981

4.0 1.00

Which test is used for checking pasteurization efficiency in milk processing plants ?

1. Risazurine test
2. Phosphatase test
3. Lipase test
4. MBR test

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82 2982

Water glass, utilized for preservation of shelled egg is a solution of

1. Calcium oxide
2. Calcium carbonate
3. Sodium silicate
4. Sodium chloride

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

83 2983

In smoked meat, which of the following compounds may act as carcinogenic?

1. Metmyoglobin
2. Sodium nitrite
3. Benzopyrenes
4. Nitrosamines

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

84 2984

4.0

1.00

As per FSSAI, the percent fat and SNF content in double toned milk should be

1. 4.5% & 8.7%
2. 1.5% & 8.7%
3. 1.5% & 9.0%
4. 3.0% & 9.0%

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

85 2985

Match **List-I** with **List-II**

List-I	List-II
(Egg proteins)	(Functional properties)
(A) Ovomacroglobulin	(I) Binds biotin
(B) Ovomucoid	(II) Strongly antigenic
(C) Ovotransferrin	(III) Binds metallic ions
(D) Avidin	(IV) Inhibits trypsin

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
3. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
4. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

86 2986

4.0 1.00

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Terminologies used in Jewish method of slaughter)	(Explanation)
(A) Kosher	(I) Meat unfit for consumption of Jews
(B) Terefa	(II) Process to detect any adhesion in thoracic cavity
(C) Shechita	(III) Meat fit for consumption of Jews
(D) Searching	(IV) Method of slaughter

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
3. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

87 2987

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Milk enzymes)	(Location)
(A) Alkaline phosphatase	(I) Plasma
(B) Plasmin	(II) Serum
(C) Lactoperoxidase	(III) Fat globule membrane
(D) Superoxide dismutase	(IV) Casein micelles

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
4. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

88 2988

4.0 1.00

Given below are two statements:

Statement (I) : Dahi prepared from skim milk can be used for desi butter production.

Statement (II) : Shrikhand is an indigenous dairy product made from dahi.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

89 2989

4.0 1.00

Given below are two statements:

Statement (I) : The ritual slaughter of livestock is carried out as per the religious rites of the particular community

Statement (II) : Stunning is forbidden in some of the ritual slaughter methods.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are true.
2. Both **Statement (I)** and **Statement (II)** are false.
3. **Statement (I)** is true but **Statement (II)** is false.
4. **Statement (I)** is false but **Statement (II)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90	2990	Given below are two statements: Statement (I) : Meat curing improves keeping quality by inhibiting growth of spoilage bacteria. Statement (II) : Salt acts synergistically with sodium nitrite in preventing growth of <i>Clostridium botulinum</i> during meat curing. In light of the above statements, choose the most appropriate answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. Statement (I) is correct but Statement (II) is incorrect. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

91 2991

4.0 1.00

Match **List-I** with **List-II**

List-I Incubation period (days)	List-II Species
(A) 28	(I) Japanese quail
(B) 35	(II) Guinea fowl
(C) 54	(III) Muscovy duck
(D) 16	(IV) Emu

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

		A4 : 4		
Objective Question				
92	2992	Central Avian Research Institute is located at 1. Itanagar 2. Izatnagar 3. Rajendranagar 4. Avikanagar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	2993	In which of the following native chicken breed, the GI (Geographical indication) tag system was implemented 1. Aseel 2. Nicobari 3. Kadaknath 4. Vanaraja A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	2994	A farmer intends to fumigate the broiler shed of size 500 cu.ft before the arrival of new batch of chicks. What will be the recommended doses of potassium permanganate and formaldehyde for the proper shed disinfection? 1. 200 g & 200 mL 2. 300 g & 600 mL 3. 300 g and 300 mL 4. 200 g & 400 mL A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

95 2995

4.0 1.00

Given below are two statements, one is labelled as **Assertion (A)** and other one labelled as **Reason (R)**.

Assertion (A) : Eggs need to be placed in vertical position (broad end up) in setter and horizontal in hatcher.

Reason (R) : Placing of eggs in horizontal position saves the space and allows proper chick development.

In light of the above statements, choose the **correct** answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

96 2996

4.0 1.00

The following body parts show depigmentation of skin in laying chickens:

- (A) Beak
- (B) Eye ring
- (C) Vent
- (D) Shank

Choose the **correct** order (first to last) from the options given below:

1. (A), (B), (C), (D).
2. (C), (B), (A), (D).
3. (C), (D), (A), (B).
4. (B), (A), (C), (D).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

97 2997

4.0 1.00

Match **List-I** with **List-II**

(Variety)	(Purpose)
(A) CARIBRO-DHANARAJA	(I) Dual
(B) CARI-DEBENDRA	(II) Meat
(C) KRISHNA-J	(III) Egg
(D) GRAMAPRIYA	(IV) Dwarf broiler

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

98 2998

4.0 1.00

Given below are two statements:

Statement (I) : In old laying hens, egg number increases with increase in albumen to yolk ratio.

Statement (II) : In old laying hens, egg number decreases with decrease in albumen to yolk ratio.

In light of the above statements, choose the **most appropriate** answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

99 2999

4.0 1.00

Which of the following statements are true :

- (A) Cornish and Plymouth rock are commonly used female lines for producing commercial broiler chicken hybrids.
- (B) Broiler breeding exploits the principle of heterosis that results in high yielding commercial offsprings.
- (C) Australorp, Newhampshire and Rhode Island Red are being used as female line, while White Leghorn as male line for the production of tinted egg shell layers.
- (D) Crossbreds are expected to be more uniform and more influenced by environmental factors than parental lines.

Choose the **correct** answer from the options given below:

1. (B) and (D) only.
2. (A), (B) and (C) only.
3. (A), (B), (C) and (D).
4. (B) and (C) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 3000

4.0 1.00

Match **List-I** with **List-II**

List-I (Genetic principle)	List-II (Characteristics)
(A) Sex influenced	(I) Egg production
(B) Sex limited	(II) Hen feathering
(C) Sex linked	(III) Slow feathering
(D) High heritability	(IV) Body weight in poultry

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)
3. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
4. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

101 3001

4.0 1.00

Which of the following statements are true with respect to sociological perspectives in agricultural extension:

- (A) Sanskritization explains the process of cultural mobility in India.
- (B) Family, religion and occupation are the only three types of social organization.
- (C) Universalization, if a local government makes cultural or economic decisions is solely based on local interests.
- (D) Barret model explains that community has well defined development level of consciousness.

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only.
2. (C) and (D) only.
3. (A) and (C) only
4. (A) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

102 3002

4.0 1.00

Match the following sociology terms with their most suitable concept

List-I	List-II
(Sociology term)	(Concept)
(A) Cultural lag	(I) Form of alternative dispute resolution
(B) Kin	(II) Gap that arises between material and non-material aspects of life during course of social change
(C) De-individualization	(III) Outcome of integration of two or more cultures
(D) Arbitration	(IV) Losing of self-consciousness of individual members in group, which may also lead to abnormal collective behaviour
(E) Acculturation	(V) Relationship with all members that are related to the marriage of a person

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (V), (C) - (IV), (D) - (I), (E)-(III)
2. (A) - (III), (B) - (II), (C) - (IV), (D) - (I), (E)-(V)
3. (A) - (V), (B) - (IV), (C) - (I), (D) - (II), (E)-(III)
4. (A) - (I), (B) - (III), (C) - (II), (D) - (V), (E)- (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 3003

4.0

1.00

Match the following extension concepts with their most suitable explanation:

(Extension concept)	(Suitable explanation)
(A) Campaign	(I) PRA/ RRA
(B) Expert system	(II) Effective interpersonal relation and social transaction
(C) Transact walk	(III) Computer programme
(D) Role playing	(IV) Social & political change

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

104 3004

Which one of the following sequence of Extension Programmes is correct according to their year of launch (most earliest to most recent)

1. ICDP, SLBP, RGM, NADCP, NPDD
2. ICDP, SLBP, NPDD, RGM, NADCP
3. ICDP, NPDD, SLBP, NADCP, RGM
4. NPDD, NADCP, RGM, SLBP, ICDP

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

105 3005

4.0 1.00

Which of the following statements are true about Livestock Economics:

- (A) The functional unit of dairy farming is fat & protein corrected milk (FCPM).
- (B) The Agreement on Sanitary and Phyto-Sanitary (SPS) measures entered into force with the establishment of WTO in 1995.
- (C) Codex Alimentarius was established by World Trade Organization in the year 1945.
- (D) The headquarter of OIE is situated at Geneva, Switzerland.
- (E) Animal waste accounts for more than 5% methane emission.

Choose the **correct** answer from the options given below:

- 1. (A), (C) and (D) only.
- 2. (C), (D) and (E) only.
- 3. (A), (B) and (E) only.
- 4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

106 3006

Which of the following statement/s is/are true about Panchayati Raj Institutions in India

- (A) The 75th constitutional amendment marked significant changes in Panchayati Raj Institutions.
- (B) The Panchayati Raj institutions is a 7 tier system in India.
- (C) The 11th schedule of the constitution enshrines the distribution of power between the state legislature and the Panchayats.
- (D) Out of the total seats to be filled with direct elections, one third to be filled with SCs & STs

Choose the **correct** answer from the options given below:

- 1. (B) and (D) only.
- 2. (A) and (B) only.
- 3. (C) only.
- 4. (B) and (C) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

107 3007

4.0

1.00

Match the following social concept with their most suitable explanation:

(Social concept)	(Explanation)
(A) Class	(I) Hereditary
(B) Widow remarriage	(II) All cultures are true against a context
(C) Caste	(III) Taboo
(D) Cultural relativism	(IV) Social deviation
(E) Lencioni theory	(V) Access to resources and control

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (III), (D) - (V), (E)- (I)
2. (A) - (I), (B) - (III), (C) - (IV), (D) - (V), (E)- (II)
3. (A) - (IV), (B) - (V), (C) - (I), (D) - (III), (E)- (II)
4. (A) - (V), (B) - (III), (C) - (I), (D) - (II), (E)- (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

108 3008

4.0

1.00

Which of the following statements are true about Extension Programmes in India

- (A) The failure of Key Village Scheme was the forerunner of ICDP.
- (B) Technology Mission on Dairy Development was launched in 2005 to accelerate dairy production in India.
- (C) With the establishment of Central Council of Gosamwardhan in 1952, the Gaushalas were reorganized.
- (D) Operation flood was implemented by NDDDB in 5 phases.
- (E) Special Livestock Breeding Programme was launched in 2010.

Choose the **correct** answer from the options given below:

1. (A) and (B) only.
2. (A) and (C) only.
3. (D) and (E) only.
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

109 3009

4.0

1.00

Which of the followings are true with reference to livestock marketing :

- (A) Duck rearing and Fisheries can be an example of complementary Agri-enterprises.
- (B) Horizontal value chain is the linkage between stakeholders at different levels of production.
- (C) Social cost benefit analysis is an undiscounted method of financial project analysis.
- (D) Break-even point gives us an idea of gestation & moratorium, required for loan repayment.

Choose the **correct** answer from the options given below:

1. (A) and (D) only.
2. (A) and (C) only.
3. (A), (B) and (D) only.
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110 3010

4.0

1.00

Match the following statistical Tests with their correct explanation:

(Statistical test)	(Correct explanation)
(A) Chi-Square Test	(I) One-way analysis of variance by ranks
(B) McNeamer Test	(II) Two-way analysis of variance by ranks
(C) Friedman Test	(III) Goodness of fit
(D) Kruskall Wallis Test	(IV) Test for significance of changes (before & after)

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
3. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
4. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)

A1 : 1

		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

111	3011	Which of the followings forms the organization? 1. Persons 2. Families 3. Crowd 4. Countries A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

112	3012	Which of the followings is the promotional body for the poultry products? 1. NDDB 2. AMUL 3. CII 4. NECC A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

113	3013	Elton Mayo is the chief contributor of which theory: 1. Classical 2. Bureaucracy 3. Modern Management 4. Human Relation A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

114	3014	Which of the following theory emphasizes situational approach towards management? 1. Classical theory 2. Human relation theory 3. Modern theory 4. Behavioural theory	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

115	3015	Given below are two statements: Statement (I) : Exact monetary measurement of social cost is not possible. Statement (II) : Rate of increase in marginal cost is less than the average cost. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct.	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

116	3016		4.0	1.00
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Given below are two statements:

Statement (I) : Fixed cost is increased when production is increased.

Statement (II) : Price discrimination is possible under monopoly situation only.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are true.
2. Both **Statement (I)** and **Statement (II)** are false.
3. **Statement (I)** is true but **Statement (II)** is false.
4. **Statement (I)** is false but **Statement (II)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 3017

Given below are two statements:

Statement (I) : Profit may be positive or negative.

Statement (II) : Interest can not be zero or negative.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are true.
2. Both **Statement (I)** and **Statement (II)** are false.
3. **Statement (I)** is true but **Statement (II)** is false.
4. **Statement (I)** is false but **Statement (II)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

118 3018

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Author)	(Theory)
(A) Adam Smith	(I) Economics is that body of knowledge which relates to wealth
(B) J.B. Say	(II) Economics is the practical science of production and distribution of wealth
(C) J.S. Mill	(III) Economics is the science which treats wealth
(D) F.A. Walker	(IV) Economics is an enquiry into nature and causes of wealth

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
3. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
4. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 3019

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Term)	(Explanation)
(A) Goods	(I) All the commodities which are bought and sold and have their value.
(B) Utility	(II) The power of a commodity to command other commodities in its exchange.
(C) Value	(III) All things which satisfy the wants of human being.
(D) Wealth	(IV) The capacity or power of a good to satisfy human wants.

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
3. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

120 3020

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(Term)	(Meaning)
(A) Capital	(I) The persons or firms to whom goods or services have been rendered on credit and payment has not been received.
(B) Income	(II) Amount due to creditors and for bills due
(C) Debtors	(III) All assets minus external liabilities
(D) Payables	(IV) Revenue minus expenses

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		