ICAR

ANIMAL SCIENCE

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Question paper with Provisional key

Brought to you by

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ICAR 2025 ANIMAL SCIENCE AIEEA PG
QUESTION PAPER with Provisional key

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Dr. Srikanth Vallabhaneni

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Question ID : 40001

Non-standard genetic code is known for one of the following:

1. Nuclear genome only
2. Mitochondrial genome only
3. Both nuclear and mitochondrial genomes
4. Genetic code is universal

KEY : 3

Question ID : 40002

The phenomenon in which the template strand and its copy shift their relative position to change the copy number of the template is called as

1. Replication fork
2. Frameshift mutation
3. Replication slippage
4. Synonymous mutation

KEY : 3

Question ID : 40003

The length of Okazaki fragments in Eukaryotes is one of the following:

1. 100-200 nt
2. 300-400 nt
3. 500-800 nt
4. 1000-2000 nt

KEY : 1

Question ID : 40004

Mitochondrial DNA replication in Eukaryotes is associated with which of the DNA polymerases

1. DNA polymerase alpha
2. DNA polymerase beta
3. DNA polymerase gamma
4. DNA polymerase-III

KEY : 3

Question ID : 40005

The amino-tautomer of base analog 2-Aminopurine pairs with one among the following

1. Adenine
2. Thymine
3. Guanine
4. Cytosine

KEY : 2

Question ID : 40006

Which of the following statements is/are correct

(A) The total milk production (million tonnes) in India in 2023-24 is 239.30.

(B) The total meat production (million tonnes) in India in 2022-23 is 9.77.

(C) The year-on-year growth in egg production in India from 2022-23 to 2023-24 is 4.95%.

(D) The per-capita egg availability in India in 2023-24 is 103 per annum.

1. Statements (A), (B) and (D) are correct
2. Statements (A), (C) and (D) are correct
3. Statements (A), (B), (C) and (D) are correct
4. Statements (B), (C) and (D) are correct

KEY : 1

Question ID : 40007

The top three wool producing states/UTs of India include the following (not in order)

(A). Rajasthan

(B). Maharashtra

(C). J&K

(D). Gujarat

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

1. (A), (B) and (D).
2. (A), (C) and (D).
3. (B), (C) and (D).
4. None of the above is correct

KEY : 2

Question ID : 40008

The effects of heterosis can be attributed to one of the following types of inheritances

1. Mendelian inheritance only
2. Non-Mendelian inheritance only
3. Both Mendelian and Non-Mendelian inheritances
4. None of these are applicable

KEY : 3

Question ID : 40009

Which of the following breeding systems involves mating of purebred parents of two distinct breeds/varieties or populations

1. Inbreeding
2. Crossbreeding
3. Outcrossing
4. Selective breeding

KEY : 2

Question ID : 40010

The chromosome number in Turkey (Meleagris gallopava) is

1. 78
2. 80
3. 82
4. 84

KEY : 3

Question ID : 40011

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

List-I	**List-II**
Trait/ Characteristic	**Estimate/ Range**
(A). Heritability of Egg Weight	(I). 0.01-0.83
(B). Heritability of Age at Sexual Maturity in chicken	(II). 0.19-0.81
(C). Heritability of Egg shape	(III). 0.15-0.94
(D). Heritability of Albumin quality	(IV). 0.08-0.44

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

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

KEY : 3

Question ID : 40012

Both plant and animal cells contain special small organelles, which are dedicated to the metabolism of substances such as fats and amino acids. These are known as

1. Perioxisomes
2. Mitochondria
3. Chloroplast
4. Ribosome

KEY : 1

Question ID : 40013

Consider the following statements:

(A). Cytoskelton determines the shapes of eukaryotic cells.

(B). Cytoskelton is responsible for cell trafficking.

(C). Cytoskelton is responsible for cell motility.

(D). Cytoskelton helps keep organelles in place.

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

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

KEY : 3

Question ID : 40014

The label "M" refers to the term mitosis in cell division, which is derived from a Greek word that means

1. Ball
2. Thread
3. Circle
4. Cell

KEY : 2

Question ID : 40015

The distribution of duplicated chromosomes to the daughter cells is organized and executed by one of the following

1. Microtubule
2. Centrosome
3. Centriole
4. Aster

KEY : 1

Question ID : 40016

At which of the following phases of mitosis, the chromosomes migrate to the equatorial plane of the cell

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

KEY : 2

Question ID : 40017

Who elucidated first the structure of DNA as a macromolecule composed of two complementary chains of nucleotides

1. Watson and Crick
2. Wobble
3. TH Morgan
4. GH Muller

KEY : 1

Question ID : 40018

Consider the following statements

(A). Mitochondria is the powerhouse of the cell.

(B). Chromosomes are made up of DNA and RNA only and not protein.

(C). In prokaryotes, chromosomes are contained within a membrane-bounded nucleus.

(D). Sister chromatids separate during Anaphase

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

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

KEY : 4

Question ID : 40019

The outcome of a cross cannot be predicted accurately by one of the following

1. Punnett Square
2. Forked Line method
3. Probability theory
4. Random guessing method

KEY : 4

Question ID : 40020

The multiple regression of breeding value on all sources of information is basis of one of the following

1. Tandem selection
2. Independent culling level
3. Selection index
4. Mass selection

KEY : 3

Question ID : 40021

Individuals' own phenotype is not considered in one among the following

1. Individual selection
2. Multistage selection
3. Family selection
4. Sib selection

KEY : 4

Question ID : 40022

Which of the following leads to abnormal numbers of chromosomes in gametes and, ultimately, in zygotes.

1. Disjunction
2. Nondisjunction
3. Linkage disequilibrium
4. Linkage equilibrium

KEY : 2

Question ID : 40023

Consider the following for sex-linked inheritance

(A). Hemophilia and color blindness are controlled by sex-linked genes.

(B). X-linked recessive genes are more common in males than females.

(C). Y-chromosome in humans carries lesser genes than X- chromosome.

(D). Pseudoautosomal genes are located only on Y chromosome.

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

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

KEY : 1

Question ID : 40024

The testis-determining factor (TDF) is the product of one of the following genes

1. SRY
2. EtBR
3. PAR
4. ENS

KEY : 1

Question ID : 40025

Which of the following implies dominance of concerned genes to be preponderant in one direction only

1. Incomplete dominance
2. Linkage dominance
3. Epistasis
4. Directional dominance

KEY : 4

Question ID : 40026

The toxic principle present in Jowar during summer when irrigation is delayed is known as:

1. HCN
2. Nitrate
3. Mimosine
4. Goitrogens

KEY : 1

Question ID : 40027

The crude protein of the maize grain can be calculated by multiplying the nitrogen content with following factor:

1. 4.25
2. 5.25
3. 6.25
4. 7.25

KEY : 3

Question ID : 40028

Which of the following is polyunsaturated fatty acid

1. Stearic acid
2. Gallic acid
3. Propionic acid
4. Linolenic acid

KEY : 4

Question ID : 40029

Normally, one kg of TDN is equivalent to how many Mcal DE

1. 3.409 Mcal DE
2. 5.409 Mcal DE
3. 4.409 Mcal DE
4. 6.409 Mcal DE

KEY : 3

Question ID : 40030

The precursor of the vitamin D3 for the animals is

1. 7-Dehydrocholesterol
2. Ergosterol
3. Cholelesterol
4. 25-hydroxycholecalciferol

KEY : 1

Question ID : 40031

The pH of abomasal content of a cow eating high roughage diet will be

1. 2-3
2. 5-6
3. 6-7
4. 7-8

KEY : 1

Question ID : 40032

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

List-I	**List-II**
Animal feed ingredient	**Anti-nutritional factor**
(A). Castor	(1). Glucosinolates
(B). Cotton seed	(2). Trypsin inhibitor
(C). Mustard	(3). Gossypol
(D). Soybean	(4). Ricin

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

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

KEY : 2

Question ID : 40033

The dietary requirement of Zinc (ppm) in cow is

1. 0.3
2. 3.0
3. 30.0
4. 300.0

KEY : 3

Question ID : 40034

The crude protein content of maize grain varies between

1. 2-6 %
2. 8-11%
3. 12-15 %
4. More than 15%

KEY : 2

Question ID : 40035

Read the following statements carefully

(A). NFE determination in proximate analysis leads to the underestimation of crude fiber content.

(B). Proximate principle 'NFE' represents the structural carbohydrate fraction of feeds.

(C). NFE determination in proximate analysis leads to an overestimation of starch and sugar content of feeds.

(D). NFE and CF represent the total carbohydrate content of feeds.

Choose the correct answer from the options given below:

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

KEY : 3

Question ID : 40036

The calorific value of one gram methane gas is

1. 15.28 kcal
2. 13.28 kcal
3. 12.28 kcal
4. 11.28 kcal

KEY : 2

Question ID : 40037

In Van Soest system of feed analysis the acid detergent fiber fraction primerly includes

1. Cellulose
2. Lignin
3. Hemicellulose and lignin
4. Cellulose and lignin

KEY : 4

Question ID : 40038

The rickets disease in the young animals is caused due to the deficiency of

1. Vitamin A
2. Vitamin C
3. Vitamin D
4. Vitamin K

KEY : 3

Question ID : 40039

The conversion of carotene into vitamin A occurs in the

1. Adepose tissues
2. Pancrease
3. Liver and intestine
4. Spleen

KEY : 3

Question ID : 40040

The distiller's dried grains with solubles is a rich source of which of the following when used in animal feed.

1. Soluble sugars
2. Crude protein
3. Enzyme
4. Hormone

KEY : 2

Question ID : 40041

The Beriberi disease is caused with the deficiency of

1. Riboflavin
2. Thiamin
3. Pantothenic acid
4. Biotin

KEY : 2

Question ID : 40042

The gross energy content of one g paddy straw is

1. 5.5 kcal
2. 2.1 kcal
3. 4.1 kcal
4. 6.45 kcal

KEY : 3

Question ID : 40043

The lactic acid concetration in good quality silage is around

1. 2-3%
2. 0.5- 1 %
3. Less than 0.5%
4. 4 - 7%

KEY : 4

Question ID : 40044

Majority of the microbes present in the rumen are

1. Facultative
2. Aerobic
3. Anaerobic
4. Extreme thermophilic

KEY : 3

Question ID : 40045

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

List-I	**List-II**
Classification	**Animal feed**
1. Vitamin B12	A. Cobalt
2. BIS	B. Formulating concentrate mixture
3. Starch equivalent	C. Feed certification
4. Pearson square method	D. Kellner

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

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

KEY : 4

Question ID : 40046

The indicator/ marker used for the determination of indirect digestibility in ruminats is :

1. Chromic oxide
2. Iron oxide
3. Calcium oxide
4. Zinc oxide

KEY : 1

Question ID : 40047

The biological value (%) of egg protein is around

1. 93
2. 40
3. 55
4. 70

KEY : 1

Question ID : 40048

Given below are two statements:

Statement (I): For the estimation of total digestible nutrients, the digestible ether extract value is multiplied by factor 2.25.

Statement (II):Crude protein estimation method determines nitrogen from protein sources 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 incorrect
2. Statement I is incorrect but Statement II is correct
3. Both Statement I and Statement II are correct
4. Statement I is correct but Statement II is incorrect

KEY : 4

Question ID : 40049

The proportion of which of the following volatile fatty acid will be higher in the rumen of animals fed on high roughage diet?

1. Propionic acid
2. Acetic acid
3. Valeric acid
4. Butyric acid

KEY : 2

Question ID : 40050

The Leucaena leucocephala leaves contains following toxin which limit its inclusion in the diet of livestock.

1. Curcin
2. Phorbol ester
3. Ricin
4. Mimosine

KEY : 4

Question ID : 40051

Chief cell of Stomach Secretes

1. Pepsinogen
2. Trypsin
3. Enterokinase
4. None

KEY : 1

Question ID : 40052

The most potent form of thyroid hormone is

1. T4
2. T3
3. TSH
4. Calcitonin

KEY : 2

Question ID : 40053

Largest endocrine gland in the body is

1. Pancrease
2. Liver
3. Thyroid gland
4. Adrenal gland

KEY : 3

Question ID : 40054

Which of the following is a major component of pulmonary surfactant?

1. Dipalmitoylphosphatidylcholine
2. Hemoglobin
3. Albumin
4. Myosin

KEY : 1

Question ID : 40055

Thoraco-abdominal respiration is seen in

1. Horse
2. Cattle
3. Dog
4. Cat

KEY : 1

Question ID : 40056

The O_2 Hb dissociation curve is

1. Sigmoidal
2. Semilunar
3. Linear
4. Circular

KEY : 1

Question ID : 40057

Micturition is

1. Sympathetic activity
2. Parasympathetic activity
3. Both
4. None

KEY : 2

Question ID : 40058

Adaptive changes in response to a single climate Variable is knwon as

1. Acclimation
2. Acclimatization
3. Weather
4. Climate

KEY : 1

Question ID : 40059

Function of PTH on Kidney tubule

1. Increase Ca^{-} reabsorption and P
2. Increase P reabsorption and Ca^{-}
3. Both of the above
4. None of the above

KEY : 1

Question ID : 40060

Most abondant cation of intracellular fluid is

1. Sodium
2. Potassium
3. Magnesium
4. Calcium

KEY : 2

Question ID : 40061

Antibody able to cross placental barrier is

1. IgG
2. IgM
3. IgA
4. All

KEY : 1

Question ID : 40062

Which of the following sets of ions necessary for muscle contraction

1. Na^{+} & Ca^{++}
2. Na^{+} & Mg^{++}
3. Ca^{+} & Mg^{++}
4. Ca^{++} & K^{+}

KEY : 3

Question ID : 40063

Troponin-C has strong affinity for

1. Actin
2. Myosin
3. Ca^{+}
4. None

KEY : 3

Question ID : 40064

Colour of Plasma is due to presence of

1. Hb
2. RBC
3. Bilirubin
4. None of the above

KEY : 3

Question ID : 40065

An increase in total RBC mass of blood is called

1. Polycythemia
2. Anisocytosis
3. Anemia
4. None of the above

KEY : 1

Question ID : 40066

Key enzyme in blood coagulation is

1. Plasmin
2. Thrombin
3. Both of the above
4. None of the above

KEY : 2

Question ID : 40067

The function of pampiniform plexus of testes is

1. Osmoregulation
2. Thermoregulation
3. Water regulation
4. None of the above

KEY : 2

Question ID : 40068

Type of Placenta present in bitch and cat is

1. Hemochorial
2. Syndesmochorial
3. Endotheliochorial
4. None of the above

KEY : 3

Question ID : 40069

How many ova are produced by one primary oocyte ?

1. 1
2. 4
3. 16
4. 64

KEY : 1

Question ID : 40070

Excessive exercise produces ----------acid in the muscle

1. Lactic acid
2. Acetic acid
3. propionic acid
4. butyric acid

KEY : 1

Question ID : 40071

The P wave of ECG denotes

1. Atrial depolarization
2. Atrial repolarization
3. Ventricular depolarization
4. Ventricular repolarization

KEY : 1

Question ID : 40072

SA Node is located in the

1. Right atrium
2. Aorta
3. Right ventricle
4. Left atrium

KEY : 1

Question ID : 40073

Increased heart rate is known as

1. Bradycardia
2. Tachycardia
3. Achardia
4. Hydrocardia

KEY : 2

Question ID : 40074

Most preferred anticoagulant for study of morphology is

1. NaF
2. Heparin
3. Ammonium oxalate
4. EDTA

KEY : 4

Question ID : 40075

The muscular tube which takes urine from kidneys to bladder is

1. Urinary bladder
2. Ureter
3. Urethra
4. Nephron

KEY : 2

Question ID : 40076

Which is the base material for preparation of Srikhand:

1. Khoa
2. Chhana
3. Paneer
4. Chakka

KEY : 4

Question ID : 40077

Operation flood phase I was lunched in the year

1. 1981
2. 1970
3. 1979
4. 1965

KEY : 2

Question ID : 40078

Casein is rich in which amino acid

1. Tryptophan
2. Arginine
3. Lysine
4. Methione

KEY : 3

Question ID : 40079

The fat exists in milk in which form

1. Water-in-oil type emulsion
2. Oil-in-water type emulsion
3. True solution
4. Colloidal state

KEY : 2

Question ID : 40080

Match the words in Column I with suitable words from Column II.

Column I	Column II
(A). Convection based cooking	(I). Sublimation
(B). Sterilization of meat	(II). Retort pouching
(C). Tetrapack	(III). Sous-vide cooking
(D). Freeze drying	(IV). Aseptic packaging

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

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

KEY : 1

Question ID : 40081

The milk fat globule membrane is composed of

1. Proteins
2. Lipid
3. Complex lipids and proteins
4. Complex carbohydrate

KEY : 3

Question ID : 40082

Which of the following is not true for wet rendering:

1. Better fat recovery
2. Good quality tallow
3. Less labour requirement
4. Poor yield than dry rendering

KEY : 3

Question ID : 40083

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

List-I	List-II
(A). Kip skin	(I). Unborn calf
(B). Slunk skin	(II). Tankage
(C). Dry rendering	(III). Calf
(D). Wet rendering	(IV). Crackling

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

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

KEY : 4

Question ID : 40084

Given below are two statements:

Statement (I): The first by-product obtained during slaughtering of food animals is blood.

Statement (II): Hyaluronidase is known as spreading factor which can be extracted from testes of animals.

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.

KEY : 1

Question ID : 40085

The test for detection of efficiency of bleeding during slaughter of food animal is

1. Haemoglobin test
2. Bilirubin test
3. Malachite green test
4. Blood test

KEY : 3

Question ID : 40086

Given below are two statements:

Statement (I): Milk production reached 239.30 million tonnes in the year 2023-24.

Statement (II): The per capita availability of milk in India during 2023-24 was 421 grams per day

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.

KEY : 3

Question ID : 40087

Given below are two statements:

Statement (I): HACCP is a science based systematic approach to food safety to provide safe food to customers.

Statement (II): There are seven principles of HACCP.

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.

KEY : 1

Question ID : 40088

Incubation period of Emu egg is .....Days

1. 27-27
2. 42-47
3. 52-55
4. 21-26

KEY : 3

Question ID : 40089

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

List-I	List-II
(A). Young one of Japanese quail	(I). Duckling
(B). Young one of Duck	(II). Squab
(C). Young one of Turkey	(III). Pault
(D). Young one of Peason	(IV). Chick

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

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

KEY : 4

Question ID : 40090

Given below are two statements:

Statement (I): Addition of mycotoxins binders in poultry feed has become essential.

Statement (II): Ionophores can be used as toxin binder in poultry feed.

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.

KEY : 3

Question ID : 40091

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

Assertion (A) : Feeding colostrum within the first hour of life is essential.

Reason (R) : The primary function of colostrum is to fortify the calf's disease resistance.

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

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

KEY : 1

Question ID : 40092

What should be the average body weight of heifers at first service in case of crossbred animals.

1. 150-200 Kg
2. 200-250 Kg
3. 300-350 Kg
4. 100-200 Kg

KEY : 2

Question ID : 40093

Under average feeding conditions, dairy cattle and buffalo require _____ liters of water per day for maintenance.

1. 27-28
2. 30-35
3. 10-15
4. 45-50

KEY : 1

Question ID : 40094

Adult cattle and buffalo consumes about _____kg dry fodder daily.

1. 1-2
2. 3-4
3. 5-6
4. 8-9

KEY : 3

Question ID : 40095

Light requirement for 24 hrs. is necessary for which stage of growth of chicks ?

1. Young chicks
2. Grower chicks
3. Layer birds
4. For all age groups

KEY : 1

Question ID : 40096

The passive immunity gained by feeding colostrum protects the calves for about _____ months.

1. One
2. Three
3. Six
4. Nine

KEY : 2

Question ID : 40097

Different livestock species are comfortable at a THI between _____.

1. 72-78
2. above 80
3. 40-50
4. 65-72

KEY : 4

Question ID : 40098

Given below are two statements:

Statement (I): Cattle suffering from heat stress have a positive nitrogen balance.

Statement (II): Both the quantity and quality of protein in the animal diet need to be improved for coping with heat stress.

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.

KEY : 4

Question ID : 40099

Fine wools have fiber diameter of

1. 32-34 µ
2. 40-45 µ
3. upto 22.04 µ
4. 15-30 µ

KEY : 3

Question ID : 40100

Which among the following is/are advantage of steaming up of sheep?

1. Increase in no. of viable lambs
2. Multiple ovulations
3. Increase in milk yield
4. Both (i) and (iii)

KEY : 4

Question ID : 40101

Which of the following correctly explains the etymology of the word 'Sociology'?

1. Derived from Latin socius (companion or associate) and Greek logos (study or science)
2. Derived from Latin logos (life) and Greek socius (people)
3. Derived from Latin society (people) and Greek logic (reason)
4. Derived from Greek socio (group) and Latin logos (culture)

KEY : 1

Question ID : 40102

Social change refers to

1. Sudden and unpredictable shifts in society
2. Revolutionary changes in society
3. Any alteration over time in behavior patterns and cultural norms
4. Economic changes in society

KEY : 3

Question ID : 40103

Which of the following best describes the result of social change?

1. Complete destruction of cultural identity
2. A shift in structure and function of a social system over time
3. Constant repetition of old practices
4. A return to primitive forms of society

KEY : 2

Question ID : 40104

The principles of extension education enable the extension worker:

1. Understanding people's needs
2. Planning appropriate activities
3. Effective implementation of the plan
4. All above

KEY : 4

Question ID : 40105

A key principle of extension education is

1. Learning by doing
2. Learning by seeing
3. Learning by hearing
4. Learning by reading

KEY : 1

Question ID : 40106

What is the correct order of Maslow's Hierarchy of Needs from the lowest to the highest level?

1. Safety → Social → Physiological → Esteem → Self-actualization
2. Physiological → Safety → Social → Esteem → Self-actualization
3. Self-actualization → Esteem → Safety → Social → Physiological
4. Physiological → Esteem → Safety → Social → Self-actualization

KEY : 2

Question ID : 40107

____ is the learned and shared knowledge that specific groups used to generate their behaviour and interpret their experience of the world:

1. Society
2. Rituals
3. Belief
4. Culture

KEY : 4

Question ID : 40108

Extension education is based upon

1. Autocratic approach
2. Democratic approach
3. Bureaucratic approach
4. Dictatorial approach

KEY : 2

Question ID : 40109

Which of the following correctly represents the steps of extension education?

1. Action → Interest → Desire → Conviction → Attention → Satisfaction
2. Interest → Attention → Conviction → Action → Desire → Satisfaction
3. Attention → Interest → Desire → Conviction → Action → Satisfaction
4. Conviction → Attention → Satisfaction → Action → Interest → Desire

KEY : 3

Question ID : 40110

The main function of extension education is to bring change in:

1. Knowledge, Skill and attitude
2. Action and confidence
3. Understanding
4. Enterprenuership development

KEY : 1

Question ID : 40111

The Community Development Programme (CDP) was launched in which year?

1. 1947
2. 1950
3. 1952
4. 1960

KEY : 3

Question ID : 40112

The basic extension functionary at the grassroots level in the CDP was known as:

1. Village Development Officer
2. Gram Sevak
3. Sarpanch/ Pradhan
4. Community Development Officer

KEY : 2

Question ID : 40113

Which programme aimed to uplift small farmers and landless labourers through transfer of farm technology?

1. Lab-to-Land Programme
2. Krishi Vigyan Kendra
3. Operational Research Project
4. National Demonstration Project

KEY : 1

Question ID : 40114

The first Krishi Vigyan Kendra (KVK) was set at Pondicherry in which year ?

1. 1965
2. 1968
3. 1971
4. 1974

KEY : 4

Question ID : 40115

Which of the following is responsible for facilitating agricultural extension services at the district level in India?

1. Krishi Vigyan Kendra (KVK)
2. Agricultural Technology Management Agency (ATMA)
3. State Agricultural Universities (SAUs)
4. National Agricultural Innovation Project (NAIP)

KEY : 1

Question ID : 40116

Extension-teaching methods that involve showing how a practice is done and comparing outcomes are called

1. Exhibition
2. Method demonstration
3. Result demonstration
4. Exposure Visit

KEY : 3

Question ID : 40117

Mass-contact methods are best suited for

1. Providing personalized advice to individual farmers
2. Conducting counselling on farm inputs
3. Organizing technical hands-on demonstrations
4. Spreading information quickly to a large audience

KEY : 4

Question ID : 40118

What is the main objective of the Gosadan Scheme?

1. To improve dairy exports
2. To promote commercial cattle farming
3. To increase the number of cattle in villages
4. To segregate unproductive and old cattle

KEY : 4

Question ID : 40119

A statement made about a population for testing purpose is called?

1. Statistic
2. Hypothesis
3. Level of Significance
4. Test-Statistic

KEY : 2

Question ID : 40120

The point where the Null Hypothesis gets rejected is called as?

1. Significant Value
2. Rejection Value
3. Acceptance Value
4. Critical Value

KEY : 4

THE END

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