

# National Testing Agency

<b>Question Paper Name :</b>	ANIMAL SCIENCE 17th September 2021 Shift 1
<b>Subject Name :</b>	ANIMAL SCIENCE
<b>Creation Date :</b>	2021-09-17 15:50:09
<b>Duration :</b>	120
<b>Total Marks :</b>	480
<b>Display Marks:</b>	Yes

## ANIMAL SCIENCE

<b>Group Number :</b>	1
<b>Group Id :</b>	19088959
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## ANIMAL SCIENCE -1

<b>Section Id :</b>	190889133
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	120
<b>Number of Questions to be attempted :</b>	120
<b>Section Marks :</b>	480
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889173
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 1908896382 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is correct with respect to All India Livestock Census?

A. Last two All India Livestock Census show the population data for the year 2012 and 2019.

B. According to 20th All India Livestock Census, cattle population was highest in W. Bengal.

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

1. 'A' is correct, and 'B' is incorrect.
2. 'B' is correct, and 'A' is incorrect
3. Both 'A' and 'B' are correct
4. Both 'A' and 'B' are incorrect

**Options :**

19088925421. 1

19088925422. 2

19088925423. 3

19088925424. 4

**Question Number : 2 Question Id : 1908896383 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following statements is correct with respect to domestic animals?

1. All are herbivores
2. All are carnivores
3. All are omnivores
4. All are mammals

**Options :**

19088925425. 1

19088925426. 2

19088925427. 3

19088925428. 4

**Question Number : 3 Question Id : 1908896384 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

During summers in which period the buffaloes mostly come in to heat?

1. Between dawn and dusk
2. Between dusk and dawn
3. During forenoon
4. During afternoon

**Options :**

19088925429. 1

19088925430. 2

19088925431. 3

19088925432. 4

**Question Number : 4 Question Id : 1908896385 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is correct with respect to effective handling and restraining of animals?

A. Most liked food is often used as 'bait' to catch the animal in open.

B. Judicious use of 'mild pain' can be useful in controlling animals.

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

1. 'A' is correct, 'B' is incorrect
2. 'B' is correct, 'A' is incorrect
3. Both 'A' and 'B' are correct
4. Both 'A' and 'B' are incorrect

**Options :**

19088925433. 1

19088925434. 2

19088925435. 3

19088925436. 4

**Question Number : 5 Question Id : 1908896386 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is correct in order to reduce economic losses around farrowing?

A. Sow is brought to farrowing pen (crate) a week before farrowing.

B. Needle teeth of all piglets, including runt, are cut.

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

1. 'A' is correct, 'B' is incorrect
2. 'B' is correct, 'A' is incorrect
3. Both 'A' and 'B' are correct
4. Both 'A' and 'B' are incorrect

**Options :**

19088925437. 1

19088925438. 2

19088925439. 3

19088925440. 4

**Question Number : 6 Question Id : 1908896387 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What term is given to an old broken mouthed ewe who is still retained in the flock due to her excellent breeding performance?

1. Free-martin
2. Gimmer
3. Gummer
4. Crone

**Options :**

19088925441. 1

19088925442. 2

19088925443. 3

19088925444. 4

**Question Number : 7 Question Id : 1908896388 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What are the most prominent features of Kankrej breed of cattle?

1. Pendulous dewlap & sheath, red or white, ponderous
2. Lyre-honed, white-grey coloured, prominent orbital arches
3. Short horned & coffin shaped skull
4. Medium sized, compact body, horns emerging close together

**Options :**

19088925445. 1

19088925446. 2

19088925447. 3

19088925448. 4

**Question Number : 8 Question Id : 1908896389 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In which animal natural maternal behaviour gets stimulated on approaching parturition, if nesting material like paddy straw is provided in the pen?

1. Doe
2. Ewe
3. She-buffalo
4. Sow

**Options :**

19088925449. 1

19088925450. 2

19088925451. 3

19088925452. 4

**Question Number : 9 Question Id : 1908896390 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the correct permanent dental formula for the Haryana bull?

1.  $2 (I 0/4, C 0/0, Pm 3/3, M 0/0) = 20$
2.  $2 (I 3/3, C 0/0, Pm 3/3, M 0/0) = 24$
3.  $2 (I 0/4, C 0/0, Pm 3/3, M 3/3) = 32$
4.  $2 (I 3/3, C 0/0, Pm 3/3, M 3/3) = 36$

**Options :**

19088925453. 1

19088925454. 2

19088925455. 3

19088925456. 4

**Question Number : 10 Question Id : 1908896391 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The number of calving boxes at a farm should be approximately -

1. 05% of breedable female stock
2. 10% of breedable female stock
3. 15% of breedable female stock
4. 20% of breedable female stock

**Options :**

19088925457. 1

19088925458. 2

19088925459. 3

19088925460. 4

**Question Number : 11 Question Id : 1908896392 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Specialized, diversified, mixed and integrated farming are the examples of -

1. System of farming
2. Intensity of farming
3. Livestock markets
4. Livestock products

**Options :**

19088925461. 1

19088925462. 2

19088925463. 3

19088925464. 4

**Question Number : 12 Question Id : 1908896393 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which cattle development program had provision of bulls initially for natural service?

1. National Dairy Plan-I
2. Intensive Cattle Development Project
3. Key Village Scheme
4. Technology Mission on Dairy Development

**Options :**

19088925465. 1

19088925466. 2

19088925467. 3

19088925468. 4

**Question Number : 13 Question Id : 1908896394 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the approximate share of feed cost in total cost in a dairy enterprise?

1. 20%
2. 40%
3. 70%
4. 90%

**Options :**

19088925469. 1

19088925470. 2

19088925471. 3

19088925472. 4

**Question Number : 14 Question Id : 1908896395 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



What constant is used for adult sheep or goat to convert them in to Adult Animal Units at the farm of mixed animal species?

1. 0.25 AU
2. 0.50 AU
3. 0.75 AU
4. 1.50 AU

**Options :**

19088925473. 1

19088925474. 2

19088925475. 3

19088925476. 4

**Question Number : 15 Question Id : 1908896396 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A balanced diet for stall-fed goats normally contains dry matter available through green fodder, dry fodder and concentrate in the ratio of -

1. 2 : 2 : 1
2. 1 : 2 : 2
3. 1 : 2 : 1
4. 1 : 1 : 1

**Options :**

19088925477. 1

19088925478. 2

19088925479. 3

19088925480. 4

**Question Number : 16 Question Id : 1908896397 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the followings is considered as material factor in the practice of hygiene?

1. Water with force
2. Manpower
3. Light
4. Air with force

**Options :**

19088925481. 1

19088925482. 2

19088925483. 3

19088925484. 4

**Question Number : 17 Question Id : 1908896398 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How many times a year the activities like dipping and shearing are generally carried out at the sheep farm?

1. Once a year
2. Twice a year
3. Thrice a year
4. Not fixed

**Options :**

19088925485. 1

19088925486. 2

19088925487. 3

19088925488. 4

**Question Number : 18 Question Id : 1908896399 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the followings is considered as contaminant of shorn wool?

1. Medullation per cent
2. Shorter staple length
3. Fewer crimp frequency
4. Burr

**Options :**

19088925489. 1

19088925490. 2

19088925491. 3

19088925492. 4

**Question Number : 19 Question Id : 1908896400 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An example of 'heeding' is the "care of newborn and infants", which begins –

1. at birth
2. in the womb of dam
3. at the time of first feeding
4. at weaning time

**Options :**

19088925493. 1

19088925494. 2

19088925495. 3

19088925496. 4

**Question Number : 20 Question Id : 1908896401 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Feeding of increasing amount of concentrate about 2 weeks before calving to enable the cow produce maximum milk later, is called –

1. Steaming up or Challenge feeding
2. Grooming
3. Squeezing
4. Stripping

**Options :**

19088925497. 1

19088925498. 2

19088925499. 3

19088925500. 4

**Question Number : 21 Question Id : 1908896402 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Under farm conditions, in which of the following activity, pigs devote their maximum time?

1. Feeding
2. Resting
3. Socializing
4. Breeding

**Options :**

19088925501. 1

19088925502. 2

19088925503. 3

19088925504. 4

**Question Number : 22 Question Id : 1908896403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

During mating after intromission, who takes longest time in ejaculation?

1. Ram
2. Bull
3. Buck
4. Boar

**Options :**

19088925505. 1

19088925506. 2

19088925507. 3

19088925508. 4

**Question Number : 23 Question Id : 1908896404 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Burdizzo, knife and elastrator are used for

1. Castration and docking
2. Castration and dehorning
3. Docking and dehorning
4. Castration only

**Options :**

19088925509. 1

19088925510. 2

19088925511. 3

19088925512. 4

**Question Number : 24 Question Id : 1908896405 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

When is National Milk Day celebrated in India?

1. June 26
2. July 26
3. September 26
4. November 26

**Options :**

19088925513. 1

19088925514. 2

19088925515. 3

19088925516. 4

**Question Number : 25 Question Id : 1908896406 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which transport method is NOT suitable for shifting down calvers, recent calvers, neonates, lame and blind animals?

1. On foot
2. By road
3. By rail
4. By air

**Options :**

19088925517. 1

19088925518. 2

19088925519. 3

19088925520. 4

**Question Number : 26 Question Id : 1908896407 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The classes, like – fine, medium and coarse are related to which animal product?

1. Milk
2. Dung
3. Wool
4. Urine

**Options :**

19088925521. 1

19088925522. 2

19088925523. 3

19088925524. 4

**Question Number : 27 Question Id : 1908896408 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Continuous ridge opening is a kind of -

1. Device for forced lighting in to the shed
2. Device for forced ventilation
3. Inlet ventilator
4. Outlet ventilator

**Options :**

19088925525. 1

19088925526. 2

19088925527. 3

19088925528. 4

**Question Number : 28 Question Id : 1908896409 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following statements is *incorrect* with respect to the housing of livestock?

1. It is impossible to design an ideal set of buildings to suit all regions of India.
2. Conventional barns and loose houses are the two main types of housing systems followed in India.
3. Long narrow buildings with roof on pillars are suitable for hot humid regions.
4. Outer surface of roof should be black in hot-dry desert and semi-desert regions.

**Options :**

19088925529. 1

19088925530. 2

19088925531. 3

19088925532. 4

**Question Number : 29 Question Id : 1908896410 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In order to maintain the herd at optimum production level, the ratio of in-milk to dry animals should be around –

1. 90 : 10
2. 80 : 20
3. 60 : 40
4. 50 : 50

**Options :**

19088925533. 1

19088925534. 2

19088925535. 3

19088925536. 4

**Question Number : 30 Question Id : 1908896411 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Livestock farm of which of the following breeds will be more benefitted with the use of teaser bull?

1. Gir
2. Rathi
3. Vechur
4. Nili-Ravi

**Options :**

19088925537. 1

19088925538. 2

19088925539. 3

19088925540. 4

**Question Number : 31 Question Id : 1908896412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Following are the facts regarding egg production of India (2018-19):

- A. Total egg production was approximately 84 billion.
- B. Three states viz. Andhra Pradesh, Tamil Nadu and Telangana contributed more than 50% of the total egg production.
- C. Per capita egg availability in Andhra Pradesh State was 372 eggs per annum.

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

1. A and B only
2. B and C only
3. A and C only
4. A, B and C only

**Options :**

19088925541. 1

19088925542. 2

19088925543. 3

19088925544. 4

**Question Number : 32 Question Id : 1908896413 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Following are the facts regarding meat production of India (2018-19):

A. Total meat production is approximately 8.1 million metric tonnes.

B. Poultry are contributing more than 50% of total meat produced in India.

C. Annual Growth Rate of meat production in India is about 6% per annum.

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

1. A and B only
2. B and C only
3. A and C only
4. A, B and C only

**Options :**

19088925545. 1

19088925546. 2

19088925547. 3

19088925548. 4

**Question Number : 33 Question Id : 1908896414 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following characteristics are correct for the average of a series of numerical values?

- A. It is the sum of the numerical values divided by number of observations.
- B. It is lower than the maximum value in the series.
- C. It is an indicator of the central tendency.

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

- 1. A and B only
- 2. B and C only
- 3. A and C only
- 4. A, B and C only

**Options :**

19088925549. 1

19088925550. 2

19088925551. 3

19088925552. 4

**Question Number : 34 Question Id : 1908896415 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Standard deviation is

- A. Square root of the variance
- B. Measured using the unit of the variable
- C. Measured using squared unit of the variable

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

- 1. A and B only
- 2. B and C only
- 3. A and C only
- 4. A, B and C only

**Options :**

19088925553. 1

19088925554. 2

19088925555. 3

19088925556. 4

**Question Number : 35 Question Id : 1908896416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In a normally distributed population, about 95% of observations lie in the interval of

1.  $\mu \pm \sigma$
2.  $\mu \pm 2\sigma$
3.  $\mu \pm 3\sigma$
4.  $\mu \pm 4\sigma$

**Options :**

19088925557. 1

19088925558. 2

19088925559. 3

19088925560. 4

**Question Number : 36 Question Id : 1908896417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If a couple desire to have four children, the probability of all being son would be:

1.  $1/4$
2.  $1/8$
3.  $1/16$
4.  $1/32$

**Options :**

19088925561. 1

19088925562. 2

19088925563. 3

19088925564. 4

**Question Number : 37 Question Id : 1908896418 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The standard deviation of 11 observations taken from a sample with a mean of 500 is 250.  
The coefficient of variation is:

1. 10%
2. 20%
3. 40%
4. 50%

**Options :**

19088925565. 1

19088925566. 2

19088925567. 3

19088925568. 4

**Question Number : 38 Question Id : 1908896419 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following measure of dispersion is independent of the unit of measurement?

1. Mean deviation
2. Standard Deviation
3. Variance
4. Coefficient of Variation

**Options :**

19088925569. 1

19088925570. 2

19088925571. 3

19088925572. 4

**Question Number : 39 Question Id : 1908896420 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The efficacy of a vaccine can be tested by using

1. t Test
2. Chi square Test
3. Z Test
4. Analysis of Variance

**Options :**

19088925573. 1

19088925574. 2

19088925575. 3

19088925576. 4

**Question Number : 40 Question Id : 1908896421 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In chi-square test using  $r \times c$  contingency table, the degree of freedom will be

1.  $(r-1)(c-1)$
2.  $(r-1) + (c-1)$
3.  $(r-1) - (c-1)$
4.  $r + c - 2$

**Options :**

19088925577. 1

19088925578. 2

19088925579. 3

19088925580. 4

**Question Number : 41 Question Id : 1908896422 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Average squared deviation from arithmetic mean may be called as:

1. Mean Deviation
2. Standard Deviation
3. Variance
4. Coefficient of Variation

**Options :**

19088925581. 1

19088925582. 2

19088925583. 3

19088925584. 4

**Question Number : 42 Question Id : 1908896423 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The median of a series of numerical value is:

1. A value for which half of the values are higher and half of the values are lower
2. The value located exactly midway between minimum and maximum of the series
3. The most commonly encountered values among the series
4. A measure of the eccentricity of the series

**Options :**

19088925585. 1

19088925586. 2

19088925587. 3

19088925588. 4

**Question Number : 43 Question Id : 1908896424 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A regression line is a straight line which:

- A. is located as close as possible to all the points of a scatter chart
- B. is defined by an equation having 2 parameters: the slope and the intercept
- C. provides an approximate relationship between the values of two parameters

Select the *most appropriate* answer from the options given below.

- 1. A only
- 2. B only
- 3. A and C only
- 4. All A, B and C

**Options :**

19088925589. 1

19088925590. 2

19088925591. 3

19088925592. 4

**Question Number : 44 Question Id : 1908896425 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The statistical significance of classical genetic ratios is tested by using

- 1. Chi square Test
- 2. t Test
- 3. Z Test
- 4. F Test

**Options :**

19088925593. 1

19088925594. 2

19088925595. 3

19088925596. 4

**Question Number : 45 Question Id : 1908896426 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**



**Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. Product Moment Correlation	I. W.S. Gosset
B. Student t distribution	II. Karl Pearson
C. F Test	III. R.A. Fisher
D. The Genetic Theory of Natural Selection	IV. G.W. Snedecor

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

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

**Options :**

19088925597. 1

19088925598. 2

19088925599. 3

19088925600. 4

**Question Number : 46 Question Id : 1908896427 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Consider the following statements:

- A. Differences of general combining ability are due to additive variance in the base population.
- B. Differences of specific combining ability are due to additive variance in the base population.
- C. Differences of general combining ability are due to non-additive variance in the base population.
- D. Differences of specific combining ability are due to non-additive variance in the base population.

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

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

**Options :**

19088925601. 1

19088925602. 2

19088925603. 3

19088925604. 4

**Question Number : 47 Question Id : 1908896428 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Selection is considered to be keystone of the arch of animal improvement. Which of the following statements are correct about selection:

- A. Selection is differential reproductive and survival rate.
- B. It causes change in genotypic frequencies of a population as a result of change in the gene frequency.
- C. It causes change in gene frequency as a result of induction of desirable genes in the population.

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

- 1. A and B only
- 2. A and C only
- 3. B and C only
- 4. A, B and C only

**Options :**

- 19088925605. 1
- 19088925606. 2
- 19088925607. 3
- 19088925608. 4

**Question Number : 48 Question Id : 1908896429 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Inbred lines are generally produced in poultry production development programmes because:

- A. Highly variable isogenic lines will be useful to produce superior two way cross hybrids, which will be less variable phenotypically.
- B. To have a genetically constant control stock over many years, inbred lines are preferable.
- C. It provides uniform experimental material for nutritionist and physiologist.

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

- 1. A and B only
- 2. A and C only
- 3. B and C only
- 4. A, B and C only

**Options :**

19088925609. 1

19088925610. 2

19088925611. 3

19088925612. 4

**Question Number : 49 Question Id : 1908896430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Read the following statements about the genetic code:

A. Genetic code is read in triplets

B. Genetic code consists of a specific sequence of DNA bases

C. It determines the sequence of the corresponding amino acids in the protein

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

1. A and B only
2. A, B and C
3. B only
4. C only

**Options :**

19088925613. 1

19088925614. 2

19088925615. 3

19088925616. 4

**Question Number : 50 Question Id : 1908896431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Holandric genes are situated on

1. Autosomes
2. X Chromosomes
3. Y Chromosomes
4. Sex Chromosomes

**Options :**

19088925617. 1

19088925618. 2

19088925619. 3

19088925620. 4

**Question Number : 51 Question Id : 1908896432 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is an example of sex-linked inheritance?

1. Coat colour in Rabbit
2. Comb shape in Poultry
3. Milk Yield in cattle
4. Haemophilia in Man

**Options :**

19088925621. 1

19088925622. 2

19088925623. 3

19088925624. 4

**Question Number : 52 Question Id : 1908896433 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

All the blood groups of ABO system may be represented in children when

1. Both the parents belong to blood group A
2. One parent belongs to blood group O and other to AB
3. Both the parents belong to blood group AB
4. One parent belongs to blood group A and other to B

**Options :**

19088925625. 1

19088925626. 2

19088925627. 3

19088925628. 4

**Question Number : 53 Question Id : 1908896434 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Results from a test cross involving genes linked in coupling show 20% crossing over. If a similar test cross is made involving the same gene in repulsion, one would expect the percentage of crossing over to:

1. Be approximately the same
2. Be distinctly less
3. Be distinctly more
4. Have no relation ship

**Options :**

19088925629. 1

19088925630. 2

19088925631. 3

19088925632. 4

**Question Number : 54 Question Id : 1908896435 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Failure of sex chromosome to separate after synapsis is referred as:

1. Disjunction
2. Non disjunction
3. Independent assortment
4. Segregation

**Options :**

19088925633. 1

19088925634. 2

19088925635. 3

19088925636. 4

**Question Number : 55 Question Id : 1908896436 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A population consists of 5 breeding males and 995 breeding females. The effective population size of this population will be:

1. 1000
2. 19.9
3. 9.9
4. 78.4

**Options :**

19088925637. 1

19088925638. 2

19088925639. 3

19088925640. 4

**Question Number : 56 Question Id : 1908896437 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The breeding value of an individual is judged by the mean value of its:

1. Pedigree
2. Full-sibs and half-sibs
3. Progenies
4. Sire and Dam

**Options :**

19088925641. 1

19088925642. 2

19088925643. 3

19088925644. 4

**Question Number : 57 Question Id : 1908896438 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The primary effect of selection for a character is:

1. To increase variation
2. To increase  $h^2$
3. To change the population mean
4. None of these

**Options :**

19088925645. 1

19088925646. 2

19088925647. 3

19088925648. 4

**Question Number : 58 Question Id : 1908896439 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The Hardy-Weinberg law applies to

- A. a population of self fertilised plants
- B. a random mating population of plants or animals
- C. a population where random assortative mating occurs

Select the *most appropriate* answer from the options given below:

- 1. A only
- 2. B only
- 3. C only
- 4. A, B and C, all

**Options :**

19088925649. 1

19088925650. 2

19088925651. 3

19088925652. 4

**Question Number : 59 Question Id : 1908896440 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

List I	List II
A. Sahiwal	I. High fecundity
B. Saanen	II. Milch breed of cattle
C. Bhadawari	III. High fat % in milk
D. Garole	IV. Milk queen of the goat world
	V. A registered breed of pig

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 - IV, B - V, C - I, D - II
- 4. A - II, B - III, C - I, D - V

**Options :**

19088925653. 1

19088925654. 2

19088925655. 3

19088925656. 4

**Question Number : 60 Question Id : 1908896441 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
A. Heterosis	I. Sewall Wright
B. Reciprocal Recurrent Selection	II. G.H. Shull
C. Father of Modern Animal Breeding	III. Comstock, Robinson and Harvey
D. Coefficient of Inbreeding	IV. J.L. Lush
	V. D.S. Falconer

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

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

**Options :**

19088925657. 1

19088925658. 2

19088925659. 3

19088925660. 4

**Question Number : 61 Question Id : 1908896442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
Traditional Dairy product	Principle of manufacture
A. Khoa	I. Coagulation
B. Basundi	II. Heat desiccation
C. Paneer	III. Fermentation
D. Dahi	IV. Concentration

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 - III, B - I, C - IV, D - II
4. A - IV, B - II, C - I, D - III

**Options :**

19088925661. 1

19088925662. 2

19088925663. 3

19088925664. 4

**Question Number : 62 Question Id : 1908896443 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
Sausage classification	Example
A. Cooked smoked	I. Bratwurst
B. Fresh and smoked	II. Salami
C. Cooked-grilled	III. Frankfurter
D. Dry fermented	IV. Pepperoni

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

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

**Options :**

- 19088925665. 1
- 19088925666. 2
- 19088925667. 3
- 19088925668. 4

**Question Number : 63 Question Id : 1908896444 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

All except one, of "South Peninsular Region" sheep breeds, is used for mutton

1. Nellore
2. Mandya
3. Nilgiri
4. Vembur

**Options :**

- 19088925669. 1
- 19088925670. 2
- 19088925671. 3
- 19088925672. 4

Question Number : 64 Question Id : 1908896445 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the following processing steps for greasy wool in correct sequence:

A. Oiling

B. Carding

C. Combing

D. Roving

Choose the *correct* answer from the options given below

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

**Options :**

19088925673. 1

19088925674. 2

19088925675. 3

19088925676. 4

Question Number : 65 Question Id : 1908896446 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Felt manufacturing processes like "combination of heat, moisture and mechanical energy", fall under

1. Sorting
2. Milling
3. Hardening
4. Drying

**Options :**

19088925677. 1

19088925678. 2

19088925679. 3

19088925680. 4

**Question Number : 66 Question Id : 1908896447 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Safety and quality assurance system which constitutes "a set of guidelines specifying activities to be undertaken and hygienic conditions to be fulfilled and monitored at steps of the food chain in order to assure safety" is

1. GMP
2. GHP
3. QCS
4. MRL

**Options :**

19088925681. 1

19088925682. 2

19088925683. 3

19088925684. 4

**Question Number : 67 Question Id : 1908896448 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Among indigenous dairy products, highest material cost in comparison to sale price is incurred in

1. Gulabjamun
2. Khoa
3. Sandesh
4. Paneer

**Options :**

19088925685. 1

19088925686. 2

19088925687. 3

19088925688. 4

**Question Number : 68 Question Id : 1908896449 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The shelf life of *Rasogolla* at room temperature packed in lacquered tins is about

1. 6 months
2. 6 weeks
3. 6 days
4. 6 hours

**Options :**

19088925689. 1

19088925690. 2

19088925691. 3

19088925692. 4

**Question Number : 69 Question Id : 1908896450 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Conical Process Vat' developed by ICAR-NDRI, Karnal is used for preparation of

1. Khoa only
2. Ghee only
3. Butter only
4. Khoa, Butter and Ghee

**Options :**

19088925693. 1

19088925694. 2

19088925695. 3

19088925696. 4

**Question Number : 70 Question Id : 1908896451 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Designer/ health meat products should contain lower level of all except

1. Calcium
2. Fat
3. Calorie
4. Sodium

**Options :**

19088925697. 1

19088925698. 2

19088925699. 3

19088925700. 4

**Question Number : 71 Question Id : 1908896452 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ICAR-NBAGR, Karnal has registered following chicken breeds

A. Mewari

B. Uttara

C. Nicobari

D. Hansli

The correct chronological order for their registration is

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

**Options :**

19088925701. 1

19088925702. 2

19088925703. 3

19088925704. 4



**Question Number : 72 Question Id : 1908896453 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Choose 'odd one' from the list to be used as 'Toxin binders' in poultry feed

1. 3,5-Dinitro-o-toluamide (DOT)
2. Hydrated calcium aluminosilicate (HSCAS)
3. Activated charcoal
4. Mannan-oligo-saccharide (MOS)

**Options :**

19088925705. 1

19088925706. 2

19088925707. 3

19088925708. 4

**Question Number : 73 Question Id : 1908896454 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Dominant sex-linked charecteristics in chicken is

1. Pea Comb
2. Naked Neck
3. Frizzle Plumage
4. Late Feathering

**Options :**

19088925709. 1

19088925710. 2

19088925711. 3

19088925712. 4

**Question Number : 74 Question Id : 1908896455 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Optimum "concentration of fumigant" (Formalin & Potassium permanganate) required for fumigation of hatching eggs during incubation is

1. 0
2. 1X
3. 2X
4. 3X

**Options :**

19088925713. 1

19088925714. 2

19088925715. 3

19088925716. 4

**Question Number : 75 Question Id : 1908896456 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

"Restricted Feeding" in layers is usually recommended during

1. Brooding period
2. Growing period
3. Laying period
4. After moulting

**Options :**

19088925717. 1

19088925718. 2

19088925719. 3

19088925720. 4

**Question Number : 76 Question Id : 1908896457 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Arrange the pigmentation of the following body parts in laying birds in correct sequence:

- A. Eye ring
- B. Beak
- C. Ear lobe
- D. Shank

Choose the *correct* answer from the options given below

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

**Options :**

- 19088925721. 1
- 19088925722. 2
- 19088925723. 3
- 19088925724. 4

**Question Number : 77 Question Id : 1908896458 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

List I	List II
Deficiency disease	Nutrient
A. Encephalomalacia	I. Manganese
B. Slipped Tendon	II. Thiamine
C. Curled Toe Paralysis	III. Vitamin E
D. Polyneuritis	IV. Riboflavin

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

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

**Options :**

19088925725. 1

19088925726. 2

19088925727. 3

19088925728. 4

**Question Number : 78 Question Id : 1908896459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Ideal Temperature' for poultry housing is

1. 10°C
2. 15°C
3. 20°C
4. 25°C

**Options :**

19088925729. 1

19088925730. 2

19088925731. 3

19088925732. 4

**Question Number : 79 Question Id : 1908896460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The ratio of light from 'poorly lighted corner to brightly lighted corner', should not be more than

1. 1:1
2. 1:2
3. 1:3
4. 1:4

**Options :**

19088925733. 1

19088925734. 2

19088925735. 3

19088925736. 4

**Question Number : 80 Question Id : 1908896461 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Eggs of which poultry species have lowest moisture content?

1. Duck
2. Chicken
3. Quail
4. Turkey

**Options :**

19088925737. 1

19088925738. 2

19088925739. 3

19088925740. 4

**Question Number : 81 Question Id : 1908896462 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The proportion of which of the following volatile fatty acid is higher in the rumen of animals fed on fibrous diet?

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

**Options :**

19088925741. 1

19088925742. 2

19088925743. 3

19088925744. 4

**Question Number : 82 Question Id : 1908896463 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Read the following statements carefully

- A. A proximate principle 'NFE' represents structural carbohydrate fraction of feeds.
- B. NFE determination in proximate analysis leads to underestimation of crude fibre content.
- C. NFE determination in proximate analysis leads to overestimation of starch and sugar content of feeds.
- D. NFE and CF represent total carbohydrate content of feeds.

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

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

**Options :**

19088925745. 1

19088925746. 2

19088925747. 3

19088925748. 4

**Question Number : 83 Question Id : 1908896464 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is primarily a cellulolytic bacteria in the rumen?

- 1. *Oxalobacter formigenes*
- 2. *Fibrobacter succinogenes*
- 3. *Succinomonas amylolytica*
- 4. *Methanobacterium ruminantium*

**Options :**

19088925749. 1

19088925750. 2

19088925751. 3

19088925752. 4

**Question Number : 84 Question Id : 1908896465 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The process of adding hydrogen to the double bonds of the unsaturated fatty acids, thereby converting them to their saturated analogues is called as

1. Deamination
2. Hydrogenation
3. Fermentation
4. Hydrolysis

**Options :**

19088925753. 1

19088925754. 2

19088925755. 3

19088925756. 4

**Question Number : 85 Question Id : 1908896466 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The energy which is available to the animal for useful purpose is

1. Digestible energy
2. Net energy
3. Metabolizable energy
4. Gross energy

**Options :**

19088925757. 1

19088925758. 2

19088925759. 3

19088925760. 4

**Question Number : 86 Question Id : 1908896467 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A measure of the proportion of the absorbed nitrogen retained by the body is

1. Ideal protein value
2. Biological value
3. Digestible crude protein value
4. Protein efficiency ratio

**Options :**

19088925761. 1

19088925762. 2

19088925763. 3

19088925764. 4

**Question Number : 87 Question Id : 1908896468 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The physiologically active form of vitamin D in the body is

1. 25-OH-D<sub>3</sub>
2. 1 $\alpha$ ,25(OH)<sub>2</sub>D<sub>3</sub>
3. 24, 25-(OH)<sub>2</sub>D<sub>3</sub>
4. 25, 26-(OH)<sub>2</sub>D<sub>3</sub>

**Options :**

19088925765. 1

19088925766. 2

19088925767. 3

19088925768. 4

**Question Number : 88 Question Id : 1908896469 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Generally, the calcium: phosphorus ratio in animal diets should be

1. 10:1
2. 2:1
3. 15:1
4. 9:1

**Options :**

19088925769. 1

19088925770. 2

19088925771. 3

19088925772. 4

**Question Number : 89 Question Id : 1908896470 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which selenoprotein is involved in the conversion of thyroid hormone  $T_4$  into  $T_3$ ?

1. Thioredoxin reductase
2. Glutathione peroxidase
3. Selenophosphate synthetase
4. Iodothyronine 5'-deiodinase

**Options :**

19088925773. 1

19088925774. 2

19088925775. 3

19088925776. 4

**Question Number : 90 Question Id : 1908896471 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which water soluble vitamin among the followings has beneficial role in the management of ketosis in dairy cows?

1. Betaine
2. Pyridoxine
3. Niacin
4. Pantothenic acid

**Options :**

19088925777. 1

19088925778. 2

19088925779. 3

19088925780. 4

**Question Number : 91 Question Id : 1908896472 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Enzyme used as feed additive for degrading structural polysaccharides in poultry ration is

1. Phytase
2. Protease
3.  $\beta$ -glucanase
4. Lipase

**Options :**

19088925781. 1

19088925782. 2

19088925783. 3

19088925784. 4

**Question Number : 92 Question Id : 1908896473 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

List I	List II
<b>Animal feed</b>	<b>Classification</b>
A. Productive type roughage	I. Wheat straw
B. Non maintenance type roughage	II. Maize grains
C. Energy rich concentrate feed	III. Legume fodder
D. Protein rich concentrate feed	IV. Soybean meal

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

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

**Options :**

19088925785. 1

19088925786. 2

19088925787. 3

19088925788. 4

**Question Number : 93 Question Id : 1908896474 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The crude protein content on dry matter basis in animal feed '*Zea mays*' grains is

1. 45.0 %
2. 16.0 %
3. 22.0 %
4. 9.5 %

**Options :**

19088925789. 1

19088925790. 2

19088925791. 3

19088925792. 4

**Question Number : 94 Question Id : 1908896475 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which compound leads to the formation of chocolate brown coloured blood after ingestion at severe toxic level?

1. Mimosine
2. Nitrate
3. Oxalate
4. Tannin

**Options :**

19088925793. 1

19088925794. 2

19088925795. 3

19088925796. 4

**Question Number : 95 Question Id : 1908896476 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The pH of very good quality silage should 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

**Options :**

19088925797. 1

19088925798. 2

19088925799. 3

19088925800. 4

**Question Number : 96 Question Id : 1908896477 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hay is prepared by curing the herbage so that the dry matter content of the product is

1. 65-70 %
2. 86-88 %
3. 8-10 %
4. 30-35 %

**Options :**

19088925801. 1

19088925802. 2

19088925803. 3

19088925804. 4

**Question Number : 97 Question Id : 1908896478 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Parasympathetic stimuli to the intestine

1. Lowers RMP and inhibits motility
2. Raises RMP and inhibits motility
3. Lowers RMP and increases motility
4. Raises RMP and increases motility

**Options :**

19088925805. 1

19088925806. 2

19088925807. 3

19088925808. 4

**Question Number : 98 Question Id : 1908896479 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is NOT a factor that stimulates acid secretion by fundic parietal cells?

1. Histamine
2. Gastrin
3. Acetylcholine
4. Prostaglandin

**Options :**

19088925809. 1

19088925810. 2

19088925811. 3

19088925812. 4

**Question Number : 99 Question Id : 1908896480 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The mucus seen at estrus is the secretion of goblet cells of

1. Cervix
2. Endometrium
3. Myometrium
4. Vagina

**Options :**

19088925813. 1

19088925814. 2

19088925815. 3

19088925816. 4

**Question Number : 100 Question Id : 1908896481 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I:** An increase in the concentration of estrogen in circulation causes an increase in the release of gonadotropins.

**Statement II:** Progesterone decreases the sensitivity of the anterior pituitary to GnRH and decreases LH and FSH concentrations.

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

**Options :**

- 19088925817. 1
- 19088925818. 2
- 19088925819. 3
- 19088925820. 4

**Question Number : 101 Question Id : 1908896482 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Ruminants have

1. Diffuse placenta
2. Discoidal placenta
3. Cotyledonary placenta
4. Zonary placenta

**Options :**

- 19088925821. 1
- 19088925822. 2
- 19088925823. 3
- 19088925824. 4

**Question Number : 102 Question Id : 1908896483 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The maturation process which involves series of nuclear and cytoplasmic changes and the development of a tail in spermatid is known as

1. Spermiation
2. Spermiogenesis
3. Spermatidosis
4. Spermatogenesis

**Options :**

19088925825. 1

19088925826. 2

19088925827. 3

19088925828. 4

**Question Number : 103 Question Id : 1908896484 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One molecule of haemoglobin can transport how many molecules of oxygen?

1. One
2. Two
3. Three
4. Four

**Options :**

19088925829. 1

19088925830. 2

19088925831. 3

19088925832. 4

**Question Number : 104 Question Id : 1908896485 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



*In vitro* maturation time for bovine oocytes is

1. 18 h
2. 24 h
3. 48 h
4. 72 h

**Options :**

19088925833. 1

19088925834. 2

19088925835. 3

19088925836. 4

**Question Number : 105 Question Id : 1908896486 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Among the components of coagulation pathway, which is the Factor II?

1. Fibrinogen
2. Prothrombin
3. Thromboplastin
4. Ca<sup>++</sup> ion

**Options :**

19088925837. 1

19088925838. 2

19088925839. 3

19088925840. 4

**Question Number : 106 Question Id : 1908896487 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

During atrial systole, the ventricles are in state of

1. Systole
2. Diastole
3. Iso-volumic contraction
4. None above

**Options :**

19088925841. 1

19088925842. 2

19088925843. 3

19088925844. 4

**Question Number : 107 Question Id : 1908896488 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The neurotransmitter at motor end plate is

1. Adrenaline
2. Noradrenaline
3. Acetylcholine
4. Serotonin

**Options :**

19088925845. 1

19088925846. 2

19088925847. 3

19088925848. 4

**Question Number : 108 Question Id : 1908896489 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following leukocytes is often increased in numbers in the presence of either local inflammatory reactions of allergic origin or certain types of parasitisms?

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

**Options :**

19088925849. 1

19088925850. 2

19088925851. 3

19088925852. 4

**Question Number : 109 Question Id : 1908896490 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Vomiting is rare in -

1. Horses
2. Dogs
3. Pigs
4. Ruminants

**Options :**

19088925853. 1

19088925854. 2

19088925855. 3

19088925856. 4

**Question Number : 110 Question Id : 1908896491 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is a major intracellular ion in tissues?

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

**Options :**

19088925857. 1

19088925858. 2

19088925859. 3

19088925860. 4

**Question Number : 111 Question Id : 1908896492 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Subsistence agriculture is often practiced

1. for commercial crop production
2. for organic crop production
3. for inorganic crop production
4. for large scale farming

**Options :**

19088925861. 1

19088925862. 2

19088925863. 3

19088925864. 4

**Question Number : 112 Question Id : 1908896493 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Microsociology involves study of

1. face-to-face interactions of people
2. widespread social processes
3. social structure of society
4. broader system of organization

**Options :**

19088925865. 1

19088925866. 2

19088925867. 3

19088925868. 4

**Question Number : 113 Question Id : 1908896494 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A society in which the primary means of subsistence is domesticated livestock is called

1. Pastoralist society
2. Hunter-gatherer society
3. Agrarian society
4. Industrial society

**Options :**

19088925869. 1

19088925870. 2

19088925871. 3

19088925872. 4

**Question Number : 114 Question Id : 1908896495 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which Standing Committee is NOT the part of Gram Panchayat?

1. Finance and Planning Standing Committee
2. Agriculture and Animal Resources Development Standing Committee
3. Education and Public Health Standing Committee
4. Water and Soil Conservation Standing Committee

**Options :**

19088925873. 1

19088925874. 2

19088925875. 3

19088925876. 4

**Question Number : 115 Question Id : 1908896496 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which cooperative in India is NOT a member of ICA?

1. Indian Farmers Fertiliser Co-operative (IFFCO)
2. Parag Co-operative Dairy Federation (PCDF)
3. Krishak Bharati Co-operative Ltd. (KRIBHCO)
4. National Agricultural Co-operative Marketing Federation (NAFED)

**Options :**

19088925877. 1

19088925878. 2

19088925879. 3

19088925880. 4

**Question Number : 116 Question Id : 1908896497 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Choose the correct statement/s

- A. Social change is a universal process
- B. Social change does not always depend on the willingness of society and its members
- C. Speed of social change remains constant in different societies
- D. Social change has qualitative aspect only

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

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

**Options :**

19088925881. 1

19088925882. 2

19088925883. 3

19088925884. 4

**Question Number : 117 Question Id : 1908896498 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Choose the correct statement/s

- A. People in social organisations are purposefully associated in systematically arranged units
- B. No formal set of rules and regulations is framed for operation of social organization
- C. Each member in social organisation has his in-formal status and role
- D. Major objective of forming social organization is to achieve some common interests

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

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

**Options :**

19088925885. 1

19088925886. 2

19088925887. 3

19088925888. 4

**Question Number : 118 Question Id : 1908896499 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The total milk production in India according to GOI-Basic Animal Husbandry Statistics 2019 was

1. 187.75 million tonnes
2. 177.75 million tonnes
3. 167.75 million tonnes
4. 197.75 million tonnes

**Options :**

19088925889. 1

19088925890. 2

19088925891. 3

19088925892. 4

**Question Number : 119 Question Id : 1908896500 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Choose the correct statement/s

- A. The marketing concept is based on the “right” principle
- B. Marketing does not create exchanges
- C. Marketing finds out needs of potential buyers
- D. There is no difference between marketing and sales

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

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

**Options :**

- 19088925893. 1
- 19088925894. 2
- 19088925895. 3
- 19088925896. 4

**Question Number : 120 Question Id : 1908896501 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

NRLM stands for

- 1. National Rural Livelihood Mission
- 2. National Rural Livestock Mission
- 3. National Royal Livelihood Mandate
- 4. National Rural Literature Mode

**Options :**

- 19088925897. 1
- 19088925898. 2
- 19088925899. 3
- 19088925900. 4