

National Testing Agency

Question Paper Name :	Livestock Products Technology 23rd Sep 2020 Shift 2 Set 2
Subject Name :	Livestock Products Technology
Creation Date :	2020-09-23 19:33:36
Duration :	120
Total Marks :	480
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes

Livestock Products Technology

Group Number :	1
Group Id :	71087022
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A General Knowledge

Section Id :	71087064
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20

Number of Questions to be attempted :	20
Section Marks :	80
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087064
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 7108702581 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following crops is a commercial crop in Punjab and Haryana but is a subsistence crop in Orissa?

1. Tea
2. Cotton
3. Rubber
4. Rice

Options :

71087010321. 1
71087010322. 2
71087010323. 3
71087010324. 4

Question Number : 2 Question Id : 7108702582 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which of the following are the two most important wheat-growing zones of the country?

- A. Ganga-Satluj plains in the north-west
- B. Deltaic regions
- C. Black soil region of the Deccan
- D. Plains of north-east

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

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

Options :

- 71087010325. 1
- 71087010326. 2
- 71087010327. 3
- 71087010328. 4

Question Number : 3 Question Id : 7108702583 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian agriculture is typically characterized as

- 1. Land surplus, labour scarce economy
- 2. Land surplus, labour surplus economy
- 3. Land scarce, labour surplus economy
- 4. Land scarce, labour scarce economy

Options :

- 71087010329. 1

71087010330. 2

71087010331. 3

71087010332. 4

Question Number : 4 Question Id : 7108702584 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries is the main rival of India in tea export?

1. China
2. Japan
3. Germany
4. Sri Lanka

Options :

71087010333. 1

71087010334. 2

71087010335. 3

71087010336. 4

Question Number : 5 Question Id : 7108702585 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement A: MSP is declared by the government every year to provide incentives to the farmers for raising the production of crops.

Statement B: Buffer stock is created to distribute food grains in the deficit areas and among the poorer strata of the society at the lower price than the market price.

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

1. Both Statement A and Statement B are correct
2. Both Statement A and Statement B are incorrect
3. Statement A is correct but Statement B is incorrect
4. Statement A is incorrect but Statement B is correct

Options :

71087010337. 1

71087010338. 2

71087010339. 3

71087010340. 4

Question Number : 6 Question Id : 7108702586 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a global association of nations of the world to help cooperation in international law, security, economic development and social equity?

1. United Nations Organization
2. International Monetary Fund
3. World Bank
4. World Health Organization

Options :

- 71087010341. 1
- 71087010342. 2
- 71087010343. 3
- 71087010344. 4

Question Number : 7 Question Id : 7108702587 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Under the Ganga Action Plan Phase II, pollution abatement works are being taken up in how many towns?

- 1. 57
- 2. 65
- 3. 52
- 4. 69

Options :

- 71087010345. 1
- 71087010346. 2
- 71087010347. 3
- 71087010348. 4

Question Number : 8 Question Id : 7108702588 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following statements is **incorrect**?

- 1. The highest number of pigs in the world are found in India
- 2. Uttar Pradesh provides largest amount of pork
- 3. Assam has the largest number of pork producing pigs
- 4. Pork constitutes about 7.6% of the total meat produced in India

Options :

71087010349. 1
71087010350. 2
71087010351. 3
71087010352. 4

Question Number : 9 Question Id : 7108702589 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which type of N-fertilizer is suitable for water-logged soils?

1. Zinc Phosphate
2. Ammonium Sulphate
3. Calcium
4. Potassium Nitrate

Options :

71087010353. 1
71087010354. 2
71087010355. 3
71087010356. 4

Question Number : 10 Question Id : 7108702590 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The famous Bailadila range of hills in the Bastar district of Chhattisgarh is famous for its

1. Bauxite deposits
2. Manganese deposits
3. Copper deposits
4. High-grade haematite deposits

Options :

71087010357. 1

71087010358. 2

71087010359. 3

71087010360. 4

Question Number : 11 Question Id : 7108702591 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A farmer wishes to start a 100 sq. m rectangular vegetable garden. Since he has only 30m barbed wire, he fences three sides of the garden letting his house compound wall act as the fourth side fencing. What is the dimension of the garden?

1. 15 m x 6.67m
2. 20 m x 5 m
3. 30 m x 3.33 m
4. 40 m x 2.5 m

Options :

71087010361. 1

71087010362. 2

71087010363. 3

71087010364. 4

Question Number : 12 Question Id : 7108702592 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In which one of the following industries, the consumption of natural rubber is the largest?

1. Auto tyres and tubes
2. Footwear
3. Dipped goods
4. Latex foam

Options :

71087010365. 1
71087010366. 2
71087010367. 3
71087010368. 4

Question Number : 13 Question Id : 7108702593 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following countries was the partner country of 34th Surajkund International Crafts Fair held in Haryana?

1. China
2. Nepal
3. Bhutan
4. Uzbekistan

Options :

71087010369. 1
71087010370. 2
71087010371. 3
71087010372. 4

Question Number : 14 Question Id : 7108702594 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Nobel laureate Abhijit Vinayak Banerjee was conferred the honorary Doctor of Letters (D. Litt.) by which University?

1. University of Delhi
2. University of Kolkata
3. University of Mumbai
4. University of Hyderabad

Options :

- 71087010373. 1
- 71087010374. 2
- 71087010375. 3
- 71087010376. 4

Question Number : 15 Question Id : 7108702595 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the headquarters of European Union?

- 1. Geneva, Switzerland
- 2. Washington D.C., USA
- 3. New York, US
- 4. Brussels, Belgium

Options :

- 71087010377. 1
- 71087010378. 2
- 71087010379. 3
- 71087010380. 4

Question Number : 16 Question Id : 7108702596 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following would be deficient if one finds high somatic cell count in the cow's milk?

- 1. Butterfat
- 2. Whey protein
- 3. Casein
- 4. Trace minerals

Options :

- 71087010381. 1
- 71087010382. 2
- 71087010383. 3
- 71087010384. 4

Question Number : 17 Question Id : 7108702597 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Who was the first administrator-statesman to attempt planning as a means for economic development?

- 1. C. Rajagopalachari
- 2. V. T. Krishnamachari
- 3. M. Viswesvarayya
- 4. Sir C. P. Ramaswami Aiyar

Options :

- 71087010385. 1
- 71087010386. 2
- 71087010387. 3
- 71087010388. 4

Question Number : 18 Question Id : 7108702598 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amazon rainforest span over nine countries. In August 2019, in which country did a deadly fire broke out in the Amazon forest?

- 1. Brazil
- 2. Venezuela
- 3. Colombia
- 4. Argentina

Options :

- 71087010389. 1
- 71087010390. 2
- 71087010391. 3
- 71087010392. 4

Question Number : 19 Question Id : 7108702599 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Economic liberalization in India started with

- 1. Sustainable changes in industrial licensing policy
- 2. The convertibility of the Indian Rupee
- 3. Significant reduction of tax rates
- 4. Changes in procedural formalities for FDI

Options :

- 71087010393. 1
- 71087010394. 2
- 71087010395. 3
- 71087010396. 4

Question Number : 20 Question Id : 7108702600 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The term 'Delimitation' which was in news recently is associated with which process?

- 1. Fixing the limit of Income tax
- 2. Fixing limits of Affordable housing
- 3. Fixing limits of Territorial constituencies
- 4. Fixing limits of Chairpersons salary

Options :

- 71087010397. 1

71087010398. 2
71087010399. 3
71087010400. 4

Part B Core Veterinary and Animal Sciences I

Section Id :	71087065
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087065
Question Shuffling Allowed :	Yes

**Question Number : 21 Question Id : 7108702601 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1**

The term Genetics was given by

1. Gregor Johann Mendel
2. William Bateson
3. Johannsen
4. Thomas Hunt Morgan

Options :

71087010401. 1
71087010402. 2

71087010403. 3

71087010404. 4

Question Number : 22 Question Id : 7108702602 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Incomplete Dominance	I. Sickle cell anaemia
B. Overdominance	II. Plumage Colour in chicken
C. Epistasis	III. Coat colour of a mouse
D. Lethal genes	IV. Blue Andalusian fowl

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

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

Options :

71087010405. 1

71087010406. 2

71087010407. 3

71087010408. 4

Question Number : 23 Question Id : 7108702603 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Knowledge of which type of inheritance is used for the sexing of day-old chick?

1. Sex linked inheritance
2. Sex limited inheritance
3. Sex influenced inheritance
4. Autosomal inheritance

Options :

71087010409. 1

71087010410. 2

71087010411. 3

71087010412. 4

Question Number : 24 Question Id : 7108702604 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The inheritance pattern in which the expression of the nuclear gene is altered without altering its sequence

1. Epigenetics
2. Maternal
3. Gene imprinting
4. Somatic mutation

Options :

71087010413. 1

71087010414. 2

71087010415. 3

71087010416. 4

Question Number : 25 Question Id : 7108702605 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The technical synonym of random mating is

1. Dysmixia
2. Synmixia
3. Panmixia
4. Ranmixia

Options :

71087010417. 1
71087010418. 2
71087010419. 3
71087010420. 4

Question Number : 26 Question Id : 7108702606 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The value observed or recorded for an individual for a quantitative trait is referred to as

1. Phenotypic value
2. Genotypic value
3. Environmental variation
4. Genotype-environment interaction

Options :

71087010421. 1
71087010422. 2
71087010423. 3
71087010424. 4

Question Number : 27 Question Id : 7108702607 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The breeding value mainly depends upon

1. Additive genetic variance
2. Dominance deviation variance
3. Epistatic variance
4. Environmental variance

Options :

71087010425. 1

71087010426. 2

71087010427. 3

71087010428. 4

Question Number : 28 Question Id : 7108702608 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following heritability estimation method is most frequently used and is easy in terms of data availability?

1. Twin analysis
2. Offspring-parent
3. Half sibs
4. Full sibs

Options :

71087010429. 1

71087010430. 2

71087010431. 3

71087010432. 4

Question Number : 29 Question Id : 7108702609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The genetic gain per year in a population undergoing selection does NOT depend upon

1. Heritability
2. Selection differential
3. Generation interval
4. Phenocopy

Options :

71087010433. 1
71087010434. 2
71087010435. 3
71087010436. 4

Question Number : 30 Question Id : 7108702610 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mass selection is also known as

1. Individual selection
2. Family selection
3. Pedigree selection
4. Combined selection

Options :

71087010437. 1
71087010438. 2
71087010439. 3
71087010440. 4

Question Number : 31 Question Id : 7108702611 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following gases has a green house effect?

1. Oxygen
2. Nitrogen
3. Carbon dioxide
4. Hydrogen

Options :

71087010441. 1
71087010442. 2
71087010443. 3
71087010444. 4

Question Number : 32 Question Id : 7108702612 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which vitamin is mostly affected and increased during haymaking?

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

Options :

71087010445. 1
71087010446. 2
71087010447. 3
71087010448. 4

Question Number : 33 Question Id : 7108702613 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phytin phosphorus is best utilized in which one of the following animals?

1. Poultry
2. Pig
3. Horse
4. Buffalo

Options :

71087010449. 1
71087010450. 2
71087010451. 3
71087010452. 4

Question Number : 34 Question Id : 7108702614 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following vitamins has a greater chance of toxicity?

1. Vitamin A
2. Vitamin C
3. Vitamin B1
4. Vitamin B12

Options :

71087010453. 1
71087010454. 2
71087010455. 3
71087010456. 4

Question Number : 35 Question Id : 7108702615 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

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

List I	List II
A. Niacin	I. Cocarboxylase
B. Thiamin	II. NADP
C. Riboflavin	III. Coenzyme A
D. Pantothenic acid	IV. FAD

Choose the correct answer from the options given below

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

Options :

71087010457. 1

71087010458. 2

71087010459. 3

71087010460. 4

Question Number : 36 Question Id : 7108702616 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In preparation of artificial colostrum, which oil is used to promote the laxative action?

1. Mustard oil
2. Castor oil
3. Olive oil
4. Soyabean oil

Options :

71087010461. 1

71087010462. 2

71087010463. 3

71087010464. 4

Question Number : 37 Question Id : 7108702617 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: The net ATP production from butyric acid is 25 per mole.

Statement II: Butyric acid is absorbed as a ketone body.

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 :

71087010465. 1

71087010466. 2

71087010467. 3

71087010468. 4

Question Number : 38 Question Id : 7108702618 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following scientists analysed the body composition of farm animals?

1. Sen and Ray
2. Ray and Ranjhan
3. Watson and Krick
4. Lawes and Gilbert

Options :

71087010469. 1
71087010470. 2
71087010471. 3
71087010472. 4

Question Number : 39 Question Id : 7108702619 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The most preferred ratio of nitrogen to sulphur in ruminants diet is:

1. 1:10
2. 10:1
3. 20:1
4. 5:1

Options :

71087010473. 1
71087010474. 2
71087010475. 3
71087010476. 4

Question Number : 40 Question Id : 7108702620 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Ascorbic acid is a dietary essential for:

1. Rat
2. Guinea pig
3. Mice
4. Pig

Options :

71087010477. 1
71087010478. 2
71087010479. 3
71087010480. 4

Question Number : 41 Question Id : 7108702621 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cattle population is highest in which one of the following countries?

1. India
2. Brazil
3. China
4. United States of America

Options :

71087010481. 1
71087010482. 2
71087010483. 3
71087010484. 4

Question Number : 42 Question Id : 7108702622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is an essential nutrient for man, and is exclusively supplied by animal products?

1. Riboflavin and Vitamin B₁₂
2. Vitamin B₁₂ and Niacin
3. Vitamin B₁₂
4. Thiamin

Options :

71087010485. 1
71087010486. 2
71087010487. 3
71087010488. 4

Question Number : 43 Question Id : 7108702623 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Zinc is essential for dairy cattle and it reduces the ovarian production in female

Statement II: Zinc is essential for male as its deficiency may reduce spermatozoa production in male

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 :

71087010489. 1

71087010490. 2

71087010491. 3

71087010492. 4

Question Number : 44 Question Id : 7108702624 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following pairs are correctly matched?

- A. Jaffarabadi - Gujarat
- B. Nili-Ravi - Odisha
- C. Bhadawari - Uttar Pradesh
- D. Toda - Odisha

Choose the correct answer from the options given below

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

Options :

71087010493. 1

71087010494. 2

71087010495. 3

71087010496. 4

Question Number : 45 Question Id : 7108702625 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The standard slope/gradient provided in dairy cattle sheds for the maintenance of the cleanliness is

1. 1:20
2. 1:40
3. 1:60
4. 1:80

Options :

71087010497. 1
71087010498. 2
71087010499. 3
71087010500. 4

Question Number : 46 Question Id : 7108702626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Current feeding standards for Indian animals have been developed by which agency?

1. Indian Veterinary Research Institute, Izatnagar
2. National Dairy Research Institute, Karnal
3. Indian Council of Agricultural Research, New Delhi
4. Bureau of Indian Standards, New Delhi

Options :

71087010501. 1
71087010502. 2
71087010503. 3
71087010504. 4

Question Number : 47 Question Id : 7108702627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Green fodder, pastures and straws are available in sufficient quantities in India but protein concentrates supply is lacking

Statement II: Energy sources supply in India for feeding animals in India is lacking but the supply of green fodder is adequate

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 :

71087010505. 1

71087010506. 2

71087010507. 3

71087010508. 4

Question Number : 48 Question Id : 7108702628 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Legumes are a good source of proteins, minerals and vitamins

Statement II: Grasses are better sources of energy and minerals than legume fodders

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 :

- 71087010509. 1
- 71087010510. 2
- 71087010511. 3
- 71087010512. 4

Question Number : 49 Question Id : 7108702629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is the desired body condition score in 6-point score programme for heifers up to breeding age?

1. 1.0-1.5
2. 2.0-2.5
3. 3.5-4.0
4. 4.5-5.0

Options :

- 71087010513. 1
- 71087010514. 2
- 71087010515. 3

71087010516. 4

Question Number : 50 Question Id : 7108702630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What quantity of colostrum in terms of per cent of its body weight should be fed to a calf?

1. <5.0%
2. 10%
3. 20%
4. 40%

Options :

71087010517. 1
71087010518. 2
71087010519. 3
71087010520. 4

Question Number : 51 Question Id : 7108702631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is an emulsion based meat product?

1. Chicken Tikka
2. Tandoori chicken
3. Chicken sausages
4. Curry chicken

Options :

71087010521. 1
71087010522. 2
71087010523. 3
71087010524. 4

Question Number : 52 Question Id : 7108702632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Name the milk product which is prepared from khoa

1. Rasgulla
2. Pontilla
3. Rabri
4. Gulabjamun

Options :

71087010525. 1
71087010526. 2
71087010527. 3
71087010528. 4

Question Number : 53 Question Id : 7108702633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following is/are voluntary standard(s) for the food industry?

1. BIS only
2. FSSAI only
3. AGMARK only
4. BIS and FSSAI both

Options :

71087010529. 1
71087010530. 2
71087010531. 3
71087010532. 4

Question Number : 54 Question Id : 7108702634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is the objective method of assessment of the organoleptic quality of meat?

1. Paired Difference Test
2. Hedonic Scale
3. Shear Press Method
4. Duo-trio-test

Options :

71087010533. 1
71087010534. 2
71087010535. 3
71087010536. 4

Question Number : 55 Question Id : 7108702635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Central Cleaning system (CCS) requires a minimum pressure of

1. 10-20 kgf/cm²
2. 20-30 kgf/cm²
3. 30-50 kgf/cm²
4. 50-70 kgf/cm²

Options :

71087010537. 1
71087010538. 2
71087010539. 3
71087010540. 4

Question Number : 56 Question Id : 7108702636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Higher ultimate pH in animals transported for long-distance leads to

1. Soft, Exudative Meat
2. Dark, Firm Meat
3. White and Black Meat
4. Hot and Red Meat

Options :

71087010541. 1

71087010542. 2

71087010543. 3

71087010544. 4

Question Number : 57 Question Id : 7108702637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The best quality gulab jamuns can be prepared from which of the following types of khoa?

1. Pindi
2. Dhap
3. Danedar
4. Any type of Khoa

Options :

71087010545. 1

71087010546. 2

71087010547. 3

71087010548. 4

Question Number : 58 Question Id : 7108702638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The green colour of whey is attributed to

1. Vitamin C
2. Riboflavin
3. Vitamin D
4. Iron

Options :

71087010549. 1
71087010550. 2
71087010551. 3
71087010552. 4

Question Number : 59 Question Id : 7108702639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which country is the biggest producer and importer of pork?

1. India
2. Iran
3. China
4. Australia

Options :

71087010553. 1
71087010554. 2
71087010555. 3
71087010556. 4

Question Number : 60 Question Id : 7108702640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a method of preservation of shell eggs?

1. Irradiation
2. Thermostabilization
3. Freezing
4. Canning

Options :

71087010557. 1

71087010558. 2

71087010559. 3

71087010560. 4

Question Number : 61 Question Id : 7108702641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following species of poultry has a helmet and a protuberance on the head?

1. Ostrich
2. Emu
3. Goose
4. Guinea fowl

Options :

71087010561. 1

71087010562. 2

71087010563. 3

71087010564. 4

Question Number : 62 Question Id : 7108702642 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bourbon red is a variety of

1. Turkey
2. Guinea fowl
3. Japanese Quail
4. Goose

Options :

71087010565. 1
71087010566. 2
71087010567. 3
71087010568. 4

Question Number : 63 Question Id : 7108702643 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Skin colour of chicken is inherited by

1. Complete dominance
2. Incomplete dominance
3. Sex-linked inheritance
4. Epistasis

Options :

71087010569. 1
71087010570. 2
71087010571. 3
71087010572. 4

Question Number : 64 Question Id : 7108702644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following is a highly inheritable trait?

1. Age at sexual maturity
2. Body weight
3. Egg quality
4. Egg number

Options :

71087010573. 1

71087010574. 2

71087010575. 3

71087010576. 4

Question Number : 65 Question Id : 7108702645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The correct descending order of feed ingredients for their Metabolizable Energy (ME) content is

1. Yellow maize > sorghum > wheat bran > rice polish
2. Sorghum > yellow maize > wheat bran > rice polish
3. Yellow maize > sorghum > rice polish > wheat bran
4. Rice polish > yellow maize > sorghum > wheat bran

Options :

71087010577. 1

71087010578. 2

71087010579. 3

71087010580. 4

Question Number : 66 Question Id : 7108702646 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following feeds contains more crude protein as per BIS (2007) compared to the others?

1. Layer phase –I
2. Grower mash
3. Broiler starter
4. Broiler finisher

Options :

71087010581. 1
71087010582. 2
71087010583. 3
71087010584. 4

Question Number : 67 Question Id : 7108702647 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Anti-nutritional factor present in fish meal is

1. Gossypol
2. Trypsin inhibitor
3. Tannins
4. Gizzerosine

Options :

71087010585. 1
71087010586. 2
71087010587. 3
71087010588. 4

Question Number : 68 Question Id : 7108702648 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The enzyme present in the salivary secretion

1. Ptyalin
2. Pepsin
3. Carboxy peptidase
4. Lipase

Options :

71087010589. 1
71087010590. 2
71087010591. 3
71087010592. 4

Question Number : 69 Question Id : 7108702649 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The only gland present in the skin of the chicken is

1. Sweat gland
2. Sebaceous gland
3. Preen gland
4. Foam gland

Options :

71087010593. 1
71087010594. 2
71087010595. 3
71087010596. 4

Question Number : 70 Question Id : 7108702650 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The protein that binds with two atoms of Fe molecule is

1. Ovomuroid
2. Ovoglobulin
3. Ovo flavoprotein
4. Conalbumin

Options :

71087010597. 1

71087010598. 2

71087010599. 3

71087010600. 4

Part C Livestock Products Technology

Section Id :	71087066
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087066
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 7108702651 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Spoilage of fresh meat stored in refrigerator starts when the bacterial population on the surface reaches between

1. Log 4-Log 5
2. Log 7-Log 9
3. Log 10-Log 12
4. Log 2-Log 5

Options :

71087010601. 1
71087010602. 2
71087010603. 3
71087010604. 4

Question Number : 72 Question Id : 7108702652 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following bacteria can be found in spoiled canned meat?

1. *Pseudomonas* spp.
2. *Salmonella* and *Acinetobacter* spp.
3. *Bacillus* spp.
4. *Acinetobacter* spp.

Options :

71087010605. 1
71087010606. 2
71087010607. 3
71087010608. 4

Question Number : 73 Question Id : 7108702653 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following groups of bacteria predominate in the meat spoilage?

1. *Pseudomonas* and *Acinetobacter* spp
2. *Salmonella* and *Acinetobacter* spp
3. *Staphylococcus* and *Pseudomonas* spp
4. *Salmonella* and *Staphylococcus* spp

Options :

71087010609. 1
71087010610. 2
71087010611. 3
71087010612. 4

Question Number : 74 Question Id : 7108702654 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is not a parasitic disease originating from meat and meat products?

1. Trichinellosis
2. Toxoplasmosis
3. Hydatidosis
4. Brucellosis

Options :

71087010613. 1
71087010614. 2
71087010615. 3
71087010616. 4

Question Number : 75 Question Id : 7108702655 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following bacteria is a major problem in poultry products marketed in India?

1. *Campylobacter jejuni*
2. *Yersinia enterocolitica*
3. *Pseudomonas stutzeri*
4. *Listeria inocula*

Options :

71087010617. 1
71087010618. 2
71087010619. 3
71087010620. 4

Question Number : 76 Question Id : 7108702656 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following classes of proteins has the highest biological value?

1. Soy proteins
2. Meat proteins
3. Cereal proteins
4. Legume proteins

Options :

71087010621. 1
71087010622. 2
71087010623. 3
71087010624. 4

Question Number : 77 Question Id : 7108702657 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following proteins are degraded by calpains during ageing?

1. Troponin-T and Desmin
2. Titin and Myosin heavy chain
3. Actin and Myosin
4. Actomyosin

Options :

71087010625. 1
71087010626. 2
71087010627. 3
71087010628. 4

Question Number : 78 Question Id : 7108702658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Postmortem decrease of muscle pH is due to

1. Proteolysis
2. Lipolysis
3. Glycolysis
4. Glucogenosis

Options :

71087010629. 1
71087010630. 2
71087010631. 3
71087010632. 4

Question Number : 79 Question Id : 7108702659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The commonly used hedonic scale for sensory testing of meat products is

1. 0-9
2. 1-9
3. 0-10
4. 1-10

Options :

71087010633. 1
71087010634. 2
71087010635. 3
71087010636. 4

Question Number : 80 Question Id : 7108702660 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The per capita availability of milk is highest in

1. Haryana
2. Punjab
3. Gujarat
4. Andhra Pradesh

Options :

71087010637. 1
71087010638. 2
71087010639. 3
71087010640. 4

Question Number : 81 Question Id : 7108702661 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a cytoskeletal protein?

1. Connectin
2. Tropomyosin
3. Troponin
4. M-protein

Options :

71087010641. 1
71087010642. 2
71087010643. 3
71087010644. 4

Question Number : 82 Question Id : 7108702662 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Red muscle fibres contain a higher content of

1. Lipid and mitochondrial numbers
2. Glycogen and lipid
3. Myoglobin and glycogen
4. Glycolytic cells

Options :

71087010645. 1
71087010646. 2
71087010647. 3
71087010648. 4

Question Number : 83 Question Id : 7108702663 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is considered as white meat?

1. Mutton
2. Chevron
3. Chicken legs
4. Chicken breast

Options :

71087010649. 1
71087010650. 2
71087010651. 3
71087010652. 4

Question Number : 84 Question Id : 7108702664 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The predominant protein found in contracted myofibril is

1. Actin
2. Myosin
3. Acto-myosin
4. Desmin

Options :

71087010653. 1
71087010654. 2
71087010655. 3
71087010656. 4

Question Number : 85 Question Id : 7108702665 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following phospholipids provides 'richness' to the flavour of milk?

1. Lecithin
2. Cephalin
3. Sphingomyelin
4. Cholesterol

Options :

71087010657. 1

71087010658. 2

71087010659. 3

71087010660. 4

Question Number : 86 Question Id : 7108702666 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The commonest adulterant in milk in India is water and it can be best detected by

1. Lactometer
2. Depression in freezing point
3. Hydrostatic balance
4. Hansa test

Options :

71087010661. 1

71087010662. 2

71087010663. 3

71087010664. 4

Question Number : 87 Question Id : 7108702667 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Stassanization is a method of pasteurization of milk in which the following time and temperature combination is used

1. 72°C for 15 sec
2. 74°C for 7 sec
3. 135°C for 1 sec
4. 63°C for 30 min

Options :

71087010665. 1
71087010666. 2
71087010667. 3
71087010668. 4

Question Number : 88 Question Id : 7108702668 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The warmed-over flavour in meat occurs due to

1. Phospholipids
2. Glycoproteins
3. Saturated fatty acids
4. Glycogen

Options :

71087010669. 1
71087010670. 2
71087010671. 3
71087010672. 4

Question Number : 89 Question Id : 7108702669 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Triangle test differs from Duo-trio test. Triangle test finds

1. Similar sample
2. Graded sample
3. Odd sample
4. Control sample

Options :

71087010673. 1

71087010674. 2

71087010675. 3

71087010676. 4

Question Number : 90 Question Id : 7108702670 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT an objective method of quality assessment of food?

1. Flavour profile analysis
2. Texture profile analysis
3. Colour profile analysis
4. Difference Test of analysis

Options :

71087010677. 1

71087010678. 2

71087010679. 3

71087010680. 4

Question Number : 91 Question Id : 7108702671 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The major objective of stunning during the slaughter process is to

1. Reduce pain and suffering of animal
2. Increase blood loss
3. Reduce the blood splash
4. Increase blood glycogen

Options :

71087010681. 1

71087010682. 2

71087010683. 3

71087010684. 4

Question Number : 92 Question Id : 7108702672 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following conditions justifies the emergency slaughter?

1. Chronic diseases
2. Healthy animals
3. Severe fracture
4. Paralysis

Options :

71087010685. 1

71087010686. 2

71087010687. 3

71087010688. 4

Question Number : 93 Question Id : 7108702673 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Transportation stress in meat animals leads to

1. Increase in glycogen level in muscle
2. Decrease in glycogen level in muscle
3. Decrease in cortisol in blood
4. Increase in fat in muscles

Options :

71087010689. 1
71087010690. 2
71087010691. 3
71087010692. 4

Question Number : 94 Question Id : 7108702674 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Electrical water bath stunning is generally followed in

1. Sheep and goat meat plant
2. Poultry meat plant
3. Buffalo meat plant
4. Pig meat plant

Options :

71087010693. 1
71087010694. 2
71087010695. 3
71087010696. 4

Question Number : 95 Question Id : 7108702675 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Approximate water requirement in a sheep and goat slaughterhouse for hygienic meat production is

1. 45-50 liter per animal
2. 20-25 liters per animal
3. 100-125 liters per animal
4. 272 liters per animal

Options :

71087010697. 1
71087010698. 2
71087010699. 3
71087010700. 4

Question Number : 96 Question Id : 7108702676 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Majority of sheep and goat reared for meat in India are from

1. Extensive grazing system
2. Intensive grazing system
3. Semi-intensive grazing system
4. Composite rearing system

Options :

71087010701. 1
71087010702. 2
71087010703. 3
71087010704. 4

Question Number : 97 Question Id : 7108702677 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

FSSAI standards for recombined milk in India are

1. 3.0% milk fat and 8.5% Solid Not Fat
2. 4.5% milk fat and 8.5% Solid Not Fat
3. 3.0% milk fat and 8.7% Solid Not Fat
4. 1.5% milk fat and 9.0% Solid Not Fat

Options :

71087010705. 1

71087010706. 2

71087010707. 3

71087010708. 4

Question Number : 98 Question Id : 7108702678 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The emulsifiers are added in processed cheese to prevent

1. Oxidative rancidity problem
2. Microbial deteriorative changes
3. Separation of fat
4. Separation of proteins

Options :

71087010709. 1

71087010710. 2

71087010711. 3

71087010712. 4

Question Number : 99 Question Id : 7108702679 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The particle density of which one of the following milk powders is higher than that of the others?

1. Spray dried powder
2. Roller dried powder
3. Freeze-dried powder
4. Same in all the products

Options :

71087010713. 1
71087010714. 2
71087010715. 3
71087010716. 4

Question Number : 100 Question Id : 7108702680 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Pre-stratification of butter to develop ghee at an industrial scale is carried out at

1. 63°C for 15 min
2. 73°C for 15 min
3. 83°C for 15 min
4. 93°C for 15 min

Options :

71087010717. 1
71087010718. 2
71087010719. 3
71087010720. 4

Question Number : 101 Question Id : 7108702681 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Microwaves with frequency of 915 MHz are preferred over microwaves with frequency of 2450 MHz due to

1. Safety
2. Faster and uniform heating
3. Lower electricity consumption
4. Economical

Options :

71087010721. 1
71087010722. 2
71087010723. 3
71087010724. 4

Question Number : 102 Question Id : 7108702682 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Pre-rigour meat is preferred in pre-blending of emulsion formation due to

1. Low-cost only
2. Better flavor only
3. Better emulsifying capacity only
4. Low cost as well as better flavor

Options :

71087010725. 1
71087010726. 2
71087010727. 3
71087010728. 4

Question Number : 103 Question Id : 7108702683 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Spray drying method is used for whole egg powder manufacturing whereas albumen flakes are manufactured by

1. Belt drying
2. Freeze drying
3. Pan drying
4. Sun drying

Options :

71087010729. 1
71087010730. 2
71087010731. 3
71087010732. 4

Question Number : 104 Question Id : 7108702684 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Eggnog is a popular egg product in England and is prepared with an egg and

1. Meat
2. Fish
3. Milk
4. Cereals

Options :

71087010733. 1
71087010734. 2
71087010735. 3
71087010736. 4

Question Number : 105 Question Id : 7108702685 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The smoky flavor is due to

1. Phenols
2. Organic acids
3. Carbonyls
4. Gases

Options :

71087010737. 1

71087010738. 2

71087010739. 3

71087010740. 4

Question Number : 106 Question Id : 7108702686 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pearl essence are guanine crystals derived from

1. Fish scales
2. Byproducts of oyster
3. Shrimp waste
4. Fish meat

Options :

71087010741. 1

71087010742. 2

71087010743. 3

71087010744. 4

Question Number : 107 Question Id : 7108702687 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following fibres has the highest crimp count?

1. Mohair
2. Camel hair
3. Angora wool
4. Fur fiber

Options :

71087010745. 1
71087010746. 2
71087010747. 3
71087010748. 4

Question Number : 108 Question Id : 7108702688 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Retort products are generally packed in

1. Acid resistant coated cans only
2. Sulfur resistant coated cans only
3. Oil resistant coated cans only
4. Either Sulphur resistant or Oil resistant coated cans

Options :

71087010749. 1
71087010750. 2
71087010751. 3
71087010752. 4

Question Number : 109 Question Id : 7108702689 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The phenomenon of severe shortening of muscles during chilling of pre-rigor meat is called

1. Thaw rigor
2. Hot meat
3. Cold shortening
4. Freezer burn

Options :

71087010753. 1
71087010754. 2
71087010755. 3
71087010756. 4

Question Number : 110 Question Id : 7108702690 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pale Soft Exudative Meat is generally observed in

1. Sheep Meat
2. Goat Meat
3. Pig Meat
4. Poultry Meat

Options :

71087010757. 1
71087010758. 2
71087010759. 3
71087010760. 4

Question Number : 111 Question Id : 7108702691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following muscle abnormalities are associated with genetics and breeding programmes?

1. Dark, Firm Dry Meat
2. Pale Soft Exudative Meat
3. Hot, Rigor Meat
4. Cold shortening and Thaw Rigor

Options :

71087010761. 1
71087010762. 2
71087010763. 3
71087010764. 4

Question Number : 112 Question Id : 7108702692 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which of the following technique prevents 'Cold shortening' muscle abnormality?

1. Rapid chilling of pre-rigor meat
2. Electrical stimulation of carcass
3. Rapid freezing of carcass
4. Hot boning and chilling

Options :

71087010765. 1
71087010766. 2
71087010767. 3
71087010768. 4

Question Number : 113 Question Id : 7108702693 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Isoelectric focusing is applicable to detection of

1. Bacteria in meat products
2. Pesticide residues in meat
3. Antibiotics in meat products
4. Meat adulteration

Options :

71087010769. 1
71087010770. 2
71087010771. 3
71087010772. 4

Question Number : 114 Question Id : 7108702694 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Any physical, chemical and biological property that may cause an unacceptable health risk to the consumer is called

1. Risk factor
2. Hazard
3. Disease
4. Critical Point

Options :

71087010773. 1
71087010774. 2
71087010775. 3
71087010776. 4

Question Number : 115 Question Id : 7108702695 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The presence of a metal piece in a box of processed meat products is an example of

1. Chemical hazards
2. Physical hazard
3. Biological hazard
4. Biochemical hazard

Options :

71087010777. 1

71087010778. 2

71087010779. 3

71087010780. 4

Question Number : 116 Question Id : 7108702696 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following agencies is responsible for the development of meat export?

1. FSSAI
2. AGMARK
3. APEDA
4. BIS

Options :

71087010781. 1

71087010782. 2

71087010783. 3

71087010784. 4

Question Number : 117 Question Id : 7108702697 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

National Egg Coordination Committee (NECC) is an association of poultry farmers and traders established in

1. 1972
2. 1982
3. 1992
4. 1995

Options :

71087010785. 1
71087010786. 2
71087010787. 3
71087010788. 4

Question Number : 118 Question Id : 7108702698 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Quaternary Ammonium Compounds (QAC) are surface-active agents and commonly used for cleaning purpose due to their

1. Good wetting capabilities only
2. Biocidal effect only
3. Better odour only
4. Good wetting capabilities as well as biocidal effect

Options :

71087010789. 1
71087010790. 2
71087010791. 3
71087010792. 4

Question Number : 119 Question Id : 7108702699 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

All meat inspection points in an abattoir should have lighting intensity of

1. 110 lux
2. 220 lux
3. 440 lux
4. 540 lux

Options :

71087010793. 1
71087010794. 2
71087010795. 3
71087010796. 4

Question Number : 120 Question Id : 7108702700 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Captive bolt pistol stunning is not effective in

1. Cattle
2. Sheep
3. Calves
4. Pigs

Options :

71087010797. 1
71087010798. 2
71087010799. 3
71087010800. 4