FINAL ANSWER KEY

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Exam: Dairy Farm Instructor (SR for ST)

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Department Kerala Dairy Development

Alphacode A

Question1:-She has great regard _____ him (Choose the right preposition)

A:-to

B:-with

C:-for

D:-on

Correct Answer:- Option-C

Question2:-"Which way did he run?" the police asked (Change into indirect speech)

A:-The police asked which way he had run

B:-The police asked that which way he had ran

C:-The police asked which way he ran

D:-The police asked that which way did he run

Correct Answer:- Option-A

Question3:-Somebody stole my purse. (Change the voice)

A:-My purse was stealed

B:-My purse is stolen

C:-My purse was stolen

D:-My purse has been stolen

Correct Answer:- Option-C

Question4:-Fifty rupees _____ too high a price for this pen. (Choose the correct verb form)

A:-Are

B:-Is

C:-Have

D:-Were

Correct Answer:- Option-B

Question5:-I am meeting him after _____ year. (choose the right article)

A:-An

B:-A

C:-The

D:-None

Correct Answer:- Option-B

Question6:-Mount Everest is _____ than any other peak in the world. (Choose the right option)

A:-high

B:-highest

C:-most high

D:-higher

Correct Answer:- Option-D

Question7:-The plural of son-in-law:-

A:-Son-in-laws

B:-Sons-in laws

C:-Son-in-law

D:-Sons-in-law

Correct Answer:- Option-D

Question8:-Henry is tall but his sister is _____(Write the opposite of the word underlined)

    A:-Small

    B:-Short

    C:-Low

    D:-Fat

    Correct Answer:- Option-B

Question9:-He speaks two languages _____ English. (Choose the most appropriate option)

    A:-Besides

    B:-Between

    C:-Beside

    D:-Among

    Correct Answer:- Option-A

Question10:-Rita was like a cat on hot bricks when her turn came for the interview. (What is the meaning of the idiom underlined?)

    A:-Excited

    B:-Angry

    C:-Happy

    D:-Nervous

    Correct Answer:- Option-D

Question11:-Zener diode is used for regulating supply voltages so that they are constant. For this Zener diode should be

    A:-Forward biased

    B:-Reverse biased

    C:-Not biased

    D:-Either forward or reverse biased

    Correct Answer:- Option-B

Question12:-At the center of the earth value of acceleration due to gravity is

    A:-g

    B:-2g

    C:-zero

    D:-g/2

    Correct Answer:- Option-C

Question13:-A ucleus of mass number A has a radius

    A:-R=$R_0A^{\frac{1}{3}}$

    B:-R=$R_0A^{\frac{3}{2}}$

    C:-R=$R_0A^{\frac{2}{3}}$

    D:-R=R_0A^{3}

    Correct Answer:- Option-A

Question14:-Elastic collision does not conserve

    A:-Total energy

    B:-Kinetic energy

    C:-Linear momentum

    D:-Potential energy

    Correct Answer:- Option-D

Question15:-In Hydrogen atom spectrum, the series in the visible region is

    A:-Brackett series

    B:-Lyman Series

    C:-Balmer Series

    D:-Pfund series

    Correct Answer:- Option-C

Question16:-Which among the following has higher inertia

    A:-Sun

    B:-Moon

    C:-Earth

    D:-Mercury

    Correct Answer:- Option-A

Question17:-The phenomena explained by the transverse wave nature of light is

    A:-Dispersion

    B:-Diffraction

    C:-Refraction

    D:-Polarization

    Correct Answer:- Option-D

Question18:-In a projectile motion maximum horizontal range is obtained when angle of projection is

    A:-35º

    B:-45º

    C:-65º

    D:-55º

    Correct Answer:- Option-B

Question19:-A conductor is placed in an external electric field $\vec{E}$. The electric field inside a cavity in the conductor is

    A:-$-\vec{E}$

    B:-$2\vec{E}$

    C:-Zero

    D:-$\frac{\vec{E}}{2}$

    Correct Answer:- Option-C

Question20:-Which among the following is not a SI base quantity

    A:-Luminous intensity

    B:-Time

    C:-Temperature

    D:-Electric Potential

    Correct Answer:- Option-D

Question21:-Resistivity of copper depends on

    A:-Temperature

    B:-Length

    C:-Area of cross section

    D:-None of the above

    Correct Answer:- Option-A

Question22:-Weakest force in nature is

    A:-Electromagnetic force

    B:-Strong nuclear force

    C:-Gravitational force

    D:-Weak nuclear force

    Correct Answer:- Option-C

Question23:-Two parallel conductors are carrying current in the same direction. The force between them is

    A:-Repulsive

    B:-attractive

    C:-Zero

    D:-Cannot Predict

    Correct Answer:- Option-B

Question24:-The unit of the physical quantity $\frac{1}{\sqrt{\mu_0 \varepsilon_0}}$ is

A:-m/s^2

B:-m/s

C:-Newton

D:-kg m/s

Correct Answer:- Option-B

Question25:-The angle between the true geographic north and the north shown by a compass needle is called

A:-Dip

B:-Inclination

C:-Meridian

D:-Declination

Correct Answer:- Option-D

Question26:-Resonant frequency in LCR series circuit is

A:-$\frac{1}{2\pi\sqrt{LC}}$

B:-2 Π $\sqrt{\frac{1}{LC}}$

C:-$\frac{1}{2\,\Pi}$ $\sqrt{\frac{L}{C}}$

D:-2 Π $\sqrt{\frac{L}{C}}$

Correct Answer:- Option-A

Question27:-The chemical name of Bleaching powder is

A:-Calcium carbonate

B:-Calcium hypochlorite

C:-Calcium Phosphate

D:-Calcium Cyanide

Correct Answer:- Option-B

Question28:-Bell metal is an alloy of

A:-Fe and Cr

B:-Cu and Ni

C:-Cu and Sn

D:-Cu and Zn

Correct Answer:- Option-C

Question29:-Lime water contains

A:-Sodium hydroxide

B:-Calcium hydroxide

C:-Sodium Carbonate

D:-Calcium Chloride

Correct Answer:- Option-B

Question30:-Temporary Hardness of water is due to

A:-calcium Sulphate

B:-Calcium bicarbonate

C:-Magnesium Sulphate

D:-Calcium Chloride

Correct Answer:- Option-B

Question31:-Half life period of Carbon-14 used to calculate the age of fossils

A:-5670 years

B:-5760 years

C:-5680 years

D:-5780 years

Correct Answer:- Option-B

Question32:-Alcohol reacts with acid to form

    A:-ether

    B:-Phenol

    C:-butene

    D:-ester

    Correct Answer:- Option-D

Question33:-The chemical substance used to reduce body temperature is called

    A:-Anitipyretic

    B:-Analgesic

    C:-Antiseptic

    D:-Anitibiotic

    Correct Answer:- Option-B

Question34:-The alkali metal found in Banana

    A:-Pottassium

    B:-Sodium

    C:-Calcium

    D:-Magnesium

    Correct Answer:- Option-A

Question35:-The action of water on Calcium Carbide gives

    A:-acetaldehyde

    B:-benzene

    C:-Acetylene

    D:-Ethanal

    Correct Answer:- Option-C

Question36:-The fuel gas produced when carbon monoxide combines with Nitrogen

    A:-Water Gas

    B:-Synthesis Gas

    C:-Producer Gas

    D:-Phosgene Gas

    Correct Answer:- Option-C

Question37:-Ultra pure metals like zirconium and Titanium are refined by

    A:-Van Arkel method

    B:-Vapour phase refining

    C:-Monds process

    D:-Zone refining

    Correct Answer:- Option-A

Question38:-Letharge is an ore of

    A:-Lead

    B:-Boron

    C:-Copper

    D:-Iron

    Correct Answer:- Option-A

Question39:-The process of coating Zinc over Iron so as to prevent rusting

    A:-Corrosion

    B:-Galvanisation

    C:-Cathodic protection

    D:-Barrier protection

    Correct Answer:- Option-B

Question40:-In order to lower the temperature below 0ºc the substance mixed with ice is

A:-Sodium Chloride

B:-Sodium Carbonate

C:-Magnesium Sulphate

D:-Lime

Correct Answer:- Option-A

Question41:-The pesence of Ammonium ion is detected by the reagent

A:-Tollens reagent

B:-Nesslers reagent

C:-Febling solution

D:-Baeyers reagent

Correct Answer:- Option-B

Question42:-The solidified form of carbondioxide is

A:-Carborundum

B:-Diamond

C:-Fullerene

D:-Dry Ice

Correct Answer:- Option-D

Question43:-The calibration temperature of Quevenne's lactometer is

A:-29°C

B:-60°C

C:-15.5°C

D:-20.5°C

Correct Answer:- Option-C

Question44:-The national milk day is celebrates on

A:-June 1

B:-November 26

C:-June 5

D:-March 22

Correct Answer:- Option-B

Question45:-'SAHIWAL' is a cattle breed belonging to the class

A:-Milch breed

B:-Dual purpose breed

C:-Draft breed

D:-Draught breed

Correct Answer:- Option-A

Question46:-The enzyme used for the production of 'cheese' is

A:-Rennet

B:-Lipase

C:-Chymosin

D:-Lactase

Correct Answer:- Option-A

Question47:-The Operation Flood I was launched in

A:-1987

B:-1982

C:-1985

D:-1970

Correct Answer:- Option-D

Question48:-The total cattle population in India according to 19th livestock census is

A:-178.4 million

B:-197.3 million

C:-75 million

D:-185.6 million

Correct Answer:- Option-B

Question49:-The one of the heaviest breed of Indian buffaloes with native of Saurashtra and they are also known as 'Bhavangri'. Name of the breed is

A:-Jaffarabadi

B:-Mehsana

C:-Surti

D:-Murrah

Correct Answer:- Option-A

Question50:-The time and temperature combination for 'Ultra high temperature' method of sterilization in milk is

A:-108 - 111°C for 25-30 minutes

B:-63-80°C for 30 minutes

C:-72°C for 15 seconds

D:-135-150°C for few seconds

Correct Answer:- Option-D

Question51:-The cryo protectant for spermatozoa used in the frozen semen of bull is

A:-Liquid nitrogen

B:-Egg yolk eitrate

C:-Glycerol

D:-Sodium citrate

Correct Answer:- Option-C

Question52:-'Streptococcus lactics' is one of the most important micro organisms in dairy industry which comes under the group

A:-psychrotrophic bacteria

B:-mesophilic bacteria

C:-psychrophilic bacteria

D:-thermoduric bacteria

Correct Answer:- Option-B

Question53:-According to Food Safety and Standards Authority of India (FSSAI) the minimum 'REICHERT value' for ghee in Kerala is

A:-21

B:-28

C:-24

D:-26

Correct Answer:- Option-D

Question54:-The highest milk producing state in India is

A:-Uttar Pradesh

B:-Rajasthan

C:-Andra Pradesh

D:-Gujarat

Correct Answer:- Option-A

Question55:-The addition of vitamins and minerals to the milk is known as

A:-Standardisation

B:-Fortification

C:-Condensation

D:-Homogenisation

Correct Answer:- Option-B

Question56:-'Khoa' is a milk product which comes under

A:-Fermented milk product

B:-Coagulated milk product

C:-Frozen milk product

D:-Heat desicated milk product

Correct Answer:- Option-D

Question57:-The size of fat globules is the homogenised milk is

A:-0.2-2 μm

B:-5-10 μm

C:-1-10 μm

D:-2-5 μm

Correct Answer:- Option-A

Question58:-According to Bureau of Indian Standards (BIS) the pasturized milk should have standard plate count is

A:-Maximum 10,000 cfu|m|

B:-Maximum 50,000 cfu|m|

C:-Maximum 60,000 cfu|m|

D:-Maximum 30,000 cfu|m|

Correct Answer:- Option-D

Question59:-Pioneer species in primary seccession on rocks

A:-Fungi

B:-Lichen

C:-Phytoplankton

D:-Grass

Correct Answer:- Option-B

Question60:-Anjina is a disease of _____

A:-Heart

B:-Liver

C:-Kidney

D:-Lung

Correct Answer:- Option-A

Question61:-Which is known as suicidal bag of the cell?

A:-Mitochondria

B:-Ribosome

C:-Lysosome

D:-Golgi apparatus

Correct Answer:- Option-C

Question62:-Name the stage of meiosis, in which crossing over takes place

A:-Leptotene

B:-Zygotene

C:-Diplotene

D:-Pachytene

Correct Answer:- Option-D

Question63:-Deficiency of Vitamin C causes

A:-Marasmus

B:-Scurvy

C:-Rickets

D:-Beri beri

Correct Answer:- Option-B

Question64:-In ruminent animals, the stomach is differentiated into four chambers. Out of the four, one chamber is the true stomach, which secretes gastric juice. Name the true stomach.

A:-Rumen

B:-Reticulum

C:-Omassum

D:-Abomassum

Correct Answer:- Option-D

Question65:-How many vertebrae are seen in the neck of Giraffe?

    A:-7

    B:-14

    C:-6

    D:-22

    Correct Answer:- Option-A

Question66:-In Human beings 79th organ was discovered recently. Name that new organ associated with alimentary canal of man

    A:-Mesentery

    B:-Mesosome

    C:-Spleen

    D:-Gall bladder

    Correct Answer:- Option-A

Question67:-$p^H of bl \infty d$

    A:-7

    B:-7.4

    C:-4.7

    D:-6.8

    Correct Answer:- Option-B

Question68:-Grave yard of RBC

    A:-Artery

    B:-Vein

    C:-Spleen

    D:-Kidney

    Correct Answer:- Option-C

Question69:-Mammary glands are modified

    A:-Sweat glands

    B:-salivary glands

    C:-sebaceous glands

    D:-Lacrimal gland

    Correct Answer:- Option-C

Question70:-Klinifelter's syndrome is characterised by

    A:-44A+XO

    B:-45A+XX

    C:-44A+XY

    D:-44A+XXy

    Correct Answer:- Option-D

Question71:-Name the codon which iniates the synthesis of polypeptide chain

    A:-AUG

    B:-AUU

    C:-ACG

    D:-UAG

    Correct Answer:- Option-A

Question72:-Larva of house fly

    A:-Trilobite

    B:-Maggote

    C:-Trochophora

    D:-Planula

    Correct Answer:- Option-B

Question73:-Father of Electrocardiography

A:-Paul Berg

B:-Einthoven

C:-Stanley cohen

D:-Sir. A. Garrod

Correct Answer:- Option-B

Question74:-Pond scum is the common name of

A:-Sargassum

B:-Anabaena

C:-Nostoc

D:-Spirogyra

Correct Answer:- Option-D

Question75:-If A = {3,6,8,9}, B = {1,3,5,9} then B-A is :

A:-{3,6}

B:-{1,3}

C:-{1,5}

D:-{6,8,9}

Correct Answer:- Option-C

Question76:-In how many ways can 6 men and 5 women be seated at a round table if each woman is to be between two men

A:-14,400

B:-18,700

C:-22,400

D:-44,700

Correct Answer:- Option-A

Question77:-The expansion of $(a+b)^n$

A:-n

B:-n-1

C:-n+1

D:-2n

Correct Answer:- Option-C

Question78:-If e_1 is the eccentricity of the conic $9x^2 + 16y^2 = 144$ conic and e_2 is the eccentricity of the conic $9x^2 + 16y^2 = 144$, then

A:-$e^2\_1 - e^2\_2 = 2$

B:-$e^2\_2 - e^2\_1 = 2$

C:-$e^2\_1 - e^2\_2 > 2$

D:-$e^2\_2 - e^2\_1 < 2$

Correct Answer:- Option-D

Question79:-The probability that a non leap year chosen at random has 52 Fridays is

A:-1/7

B:-2/7

C:-0

D:-6/7

Correct Answer:- Option-D

Question80:-Two finite sets have m and n elements. The total number of subsets of the first set is 48 more than the total number of subsets of second set. The values of m and n are

A:-6 and 4

B:-2 and 3

C:-6 and 2

D:-3 and 4

Correct Answer:- Option-A

Question81:-The solution of the equation $3x - 2y = 14$ and $4x + 8y = 8$ is

A:-3 and 2

B:-1 and 2

C:-4 and -1

D:-2 and -1

Correct Answer:- Option-C

Question82:- $\lim_{x \to 3} \frac{x^2 + x - 30}{x - 5} = $ _ _ _ _ _ _ _

A:-0

B:-5

C:-not defined

D:-11

Correct Answer:- Option-D

Question83:-in an A.P (arithmetic progression) a=7, d=3.5, $a_n = 10.5$
Then n is

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-B

Question84:-The perimeter of a triangle with vertices (0,6), (0,0), and (8,0) is:

A:-10

B:-14

C:-24

D:-26

Correct Answer:- Option-C

Question85:-A circle can have _____ parallel tangents at the most

A:-0

B:-1 pair

C:-2 pair

D:-infinite

Correct Answer:- Option-B

Question86:-If the standard deviation of a set of observation is 16 and each observation is divided by -4. The standard deviation of the new set of observation will be:

A:--4

B:--16

C:-16

D:-4

Correct Answer:- Option-D

Question87:-240º = _____ radians

A:-$\frac{\pi}{3}$

B:-$\frac{2\pi}{3}$

C:-$\frac{3\pi}{3}$

D:-$\frac{4\pi}{3}$

Correct Answer:- Option-D

Question88:-Slope of the straight line $4x + 6y - 8$ is

A:-2/3

B:--2/3

C:--2

D:-2

Correct Answer:- Option-B

Question89:- $\frac{(3-i)^2}{2+i} = \_\ \_\_\_\_$

    A:-2 $_+ 4i$

    B:-2 $_- 4i$

    C:-$_-2 _+ 4i$

    D:-$_-2 _- 4i$

    Correct Answer:- Option-B

Question90:-The solution set of $6x _- 3 \geq 4x _- 5$ is

    A:-$[_- 1, \infty]$

    B:-$[_- 1, \infty]$

    C:-$[_- 1 , \infty]$

    D:-$[_- 1, \infty]$

    Correct Answer:- Option-A

Question91:-Pick odd one out

    A:-e-mail spoofing

    B:-software piracy

    C:-theft of computer source code

    D:-cyber squatting

    Correct Answer:- Option-A

Question92:-Which of the following abuse DOES NOT come under cybercrime as per the Cyber Law of India?

    A:-Copyright Infringement

    B:-Email Spamming

    C:-Impersonate another person

    D:-None of the above

    Correct Answer:- Option-D

Question93:-Match the following
(a) Cyber Stalking   (i)   harass an individual via Internet
(b) Cyber defamation   (ii)   Slander conducted via digital media
(c) Salami attack   (iii) Small attacks add up to one major attack
(d) Phishing   (iv) attempt to obtain sensitive information

    A:-a-i, b-ii, c-iii, d-iv

    B:-a-iv, b-ii, c-iii, d-i

    C:-a-ii, b-i, c-iv, d-iii

    D:-a-iii, b-i, c-ii, d-iv

    Correct Answer:- Option-A

Question94:-Match the following
(a) Trojans   (i)   Michelangelo
(b) Denial of Service attacks   (ii)   The Mirai Botnet
(c) Hacking   (iv) Flood a network
(d) Worm   (v)   Time bombs

    A:-a-ii, b-iii, c-iv, d-i

    B:-a-i, b-iii, c-ii, d-iv

    C:-a-i, b-iii, c-ii, d-iv

    D:-a-iii, b-ii, c-iv, d-i

    Correct Answer:- Option-B

Question95:-The international Cybersecurity Standard that delivers a model for creating, applying, functioning, monitoring, reviewing, preserving, and improving an Information Security Management System

    A:-ISO27010

    B:-ISO27101

    C:-ISO27001

    D:-ISO27110

    Correct Answer:- Option-C

Question96:-The application program that gathers user information and send it to someone through the Internet?

A:-A Virus

B:-Spybot

C:-Logic Bomb

D:-Spam

Correct Answer:- Option-B

Question97:-Message authentication is a service beyond

A:-Message Integrity

B:-Message Confidentiality

C:-Message Splashing

D:-Message Sending

Correct Answer:- Option-A

Question98:-WPA2 is used for security in

A:-Ethernet

B:-Bluetooth

C:-IoT

D:-wi-fi

Correct Answer:- Option-D

Question99:-Which of the following protocols and system are commonly used to provide various degrees of security services in computer network?
(i)   IP filtering
(ii) Reverse Address Translation
(iii) IP security Architecture (IPsec)
(iv) Firewalls
(v) Socks

A:-(i), (ii), (iii) and (iv) only

B:-(i), (iii), (iv) and (v) only

C:-(ii), (iii), (iv) and (v) only

D:-(i), (ii), (iii), (iv) and (v)

Correct Answer:- Option-B

Question100:-The network layer protocol of internet is

A:-Ethernet

B:-Hypertext Transfer Protocol

C:-Internet Protocol

D:-Network Protocol

Correct Answer:- Option-C