

FINAL ANSWER KEY

Question 15/2025/OL

Paper Code:

Category 007/2024

Code:

Exam: Dietician Grade II

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Department Health Services

Question1:-One class of enzyme that follow a ping pong type mechanism is

A:-Transaminase

B:-Transferase

C:-Hydrolase

D:-None of these

Correct Answer:- Option-B

Question2:-Amount of enzyme that catalyze the formation of one micromole of product in one minute

A:-IU

B:-Katal

C:-Turn over number

D:-None of these

Correct Answer:- Option-A

Question3:-A left handed DNA is

A:-A-DNA

B:-B-DNA

C:-Z-DNA

D:-None of these

Correct Answer:- Option-C

Question4:-Which of the following protein has a quaternary structure?

A:-Myoglobin

B:-Haemoglobin

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-B

Question5:-Lactose intolerance is due to the deficiency of

A:-Lactase

B:-Galactokinase

C:-Trehalase

D:-None of these

Correct Answer:- Option-A

Question6:-Pellagra preventive factor is

A:-Vit B1

B:-Vit B3

C:-Vit B5

D:-None of these

Correct Answer:- Option-B

Question7:-Hormone produced by corpus luteum is

A:-Progesterone

B:-Relaxin

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question8:-Dihydroxy acetone is a

A:-Triose

B:-Tetrose

C:-Pentose

D:-Hexose

Correct Answer:- Option-A

Question9:-Disease associated with carbohydrate is

A:-Diabetes Mellitus

B:-Galactosemia

C:-Glycogen storage disease

D:-All of these

Correct Answer:- Option-D

Question10:-Epimer of glucose is

A:-Mannose

B:-Galactose

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question11:-Number of carbon atoms in palmitic acid is

A:-14

B:-15

C:-16

D:-18

Correct Answer:- Option-C

Question12:-Which among the following is the end product of carbohydrate fermentation by rumen organisms?

A:-Acetic acid

B:-Propionic acid

C:-Butyric acid

D:-All of these

Correct Answer:- Option-D

Question13:-The major lipid of mitochondrial membrane is

A:-Cardiolipin

B:-Lecithin

C:-Cephalin

D:-None of these

Correct Answer:- Option-A

Question14:-Succinate dehydrogenase reaction is inhibited by

A:-Arsenite

B:-Fluoroacetate

C:-Malonate

D:-None of these

Correct Answer:- Option-C

Question15:-The enzyme deficient in Von Gierke's disease is

A:-Glucose-6-phosphatase

B:-Muscle phosphorylase

C:-Branching enzyme

D:-None of these

Correct Answer:- Option-A

Question16:-Sodium dodecyl sulphate disrupt the protein's

A:-Secondary structure

B:-Tertiary structure

C:-Quaternary structure

D:-All of these

Correct Answer:- Option-D

Question17:-Presence of glycerol in fat molecule is detected by

A:-Acid test

B:-Iodine test

C:-Acrolein test

D:-None of these

Correct Answer:- Option-C

Question18:-Reaction involving double bond of fatty acids are

A:-Hydrogenation

B:-Halogenation

C:-Oxidation

D:-All of these

Correct Answer:- Option-D

Question19:-Example for metalloprotein include

A:-Transferrin

B:-Ceruloplasmin

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question20:-Which among the following is a toxic protein?

A:-Fibrinogen

B:-Thrombin

C:-Immunoglobulin

D:-Ricin

Correct Answer:- Option-D

Question21:-Which of the following is true?

A:-Spinal reflex has 4 elements

B:-Lower motor neuron has cell body in anterior column of grey matter

C:-Grey matter that lies transversely is lateral commissure

D:-Spinal cord has 3 equal parts

Correct Answer:- Option-B

Question22:-Read the following statement

(i) Every 100 ml of deoxygenated blood delivers about 4 ml of carbon dioxide to the alveoli

(ii) 35% to 45% of carbon dioxide is transported to the alveoli as carbamino haemoglobin

(iii) At respiratory surface carbon dioxide diffuses from venous blood into alveolar spaces

And say which combination is right

A:-(i) and (iii) are correct

B:-(iii) only correct

C:-(i) and (ii) are correct

D:-All are correct

Correct Answer:- Option-A

Question23:-What is the function of kidney?

A:-Secretion of erythropoietin

B:-Excretion of water

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question24:-Sol state of Protoplasm is _____

A:-Semi-solid state

B:-Liquid state

C:-Aerosol state

D:-Solid state

Correct Answer:- Option-B

Question25:-Which one of the enzyme is note associated with lysosome?

A:-Glycosidase

B:-Protease

C:-Lipase

D:-ATP synthase

Correct Answer:- Option-D

Question26:-How do neurons communicate with one another?

A:-Chemically

B:-Through weak radio wave impulses

C:-Electrically

D:-Both (1) and (3)

Correct Answer:- Option-D

Question27:-Which of the following organ is the origin of T-cell progenitors?

A:-Thymus

B:-Hepatocytes

C:-Bone marrow

D:-None of these above

Correct Answer:- Option-C

Question28:-23S rRNA is associated with _____ subunit of ribosomes.

A:-50S

B:-60S

C:-30S

D:-40S

Correct Answer:- Option-A

Question29:-Chondrocytes are cells connected with _____.

A:-Bones

B:-Blood

C:-Lining of digestive tract

D:-Cartilage

Correct Answer:- Option-D

Question30:-Microcirculation is the circulation of blood in

A:-Abdominal aorta to hepatic artery and renal artery

B:-Aorta to coronary arteries

C:-Arteries to terminal arterioles, meta arterioles

D:-Left Ventricle to aorta and systemic artery

Correct Answer:- Option-C

Question31:-Christmas factor is primarily associated with

A:-Blood clotting

B:-Inflammation

C:-Apoptosis

D:-Ageing

Correct Answer:- Option-A

Question32:-Which one of the properties is true in case of cartilage tissues?

A:-Cartilage tissue grows unidirectional

B:-Volkman canal present

C:-Haversian system present

D:-Blood vessels present

Correct Answer:- Option-A

Question33:-Hüfner's constant is related to _____

A:-Minimum theoretical oxygen carrying capacity

B:-Maximum carbon dioxide carrying capacity

C:-Maximum theoretical oxygen carrying capacity

D:-None of these

Correct Answer:- Option-C

Question34:-Which is not a neurotransmitter?

A:-Acetylcholine

B:-Epinephrine

C:-Norepinephrine

D:-Cortisone

Correct Answer:- Option-D

Question35:-The part of the brain controls higher mental activities like reasoning

A:-Temporal Lobe

B:-Frontal Lobe

C:-Cerebellum

D:-Medulla Oblongata

Correct Answer:- Option-B

Question36:-The cerebellum is located between cerebrum and the brain stem in the back of the head. It helps in

A:-Breathing and controlling blood pressure

B:-Speech and hearing

C:-Voluntary movements

D:-Balance and Co-ordination

Correct Answer:- Option-D

Question37:-Which of the statement does not accurately describe synapses?

A:-Chemical synapses have a gap between the neuron and target cell

B:-Electrical synapses have no gap between the neuron and target cells

C:-Both electrical and chemical synapses transfer information from neuron to target cell

D:-Both electrical and chemical synapses transfer information through similar mechanism

Correct Answer:- Option-D

Question38:-When the concentration of solutes is same on both inside and outside of cells, then

A:-Water leaves the cells

B:-Water rush into the cells

C:-The osmotic pressure is zero

D:-None of these

Correct Answer:- Option-C

Question39:-Osmoreceptors detect a decreased blood volume and increased blood concentration of salt, and stimulate

A:-Increased kidney activity

B:-Thirst

C:-Increased saliva secretion

D:-Increased secretion of progesterone

Correct Answer:- Option-B

Question40:-Which one of the components is not associated with inflammation process?

A:-Histamine

B:-Prostaglandins

C:-Serotonin

D:-Arginine

Correct Answer:- Option-D

Question41:-Ingestion of foods containing preformed toxins are known as

A:-Foodborne infection

B:-Foodborne intoxication

C:-Foodborne toxic infections

D:-All of the above

Correct Answer:- Option-B

Question42:-The alcoholic distillate of fermented sugarcane juice or molasses

A:-Whisky

B:-Brandy

C:-Rum

D:-Champagne

Correct Answer:- Option-C

Question43:-The microorganism involved in the preparation of *Idli*

A:-*Leuconostoc mesenteroides*

B:-*Rhizopus oligosporus*

C:-*Streptococcus cremoris*

D:-*Lactobacillus bulgaricus*

Correct Answer:- Option-A

Question44:-The disease resulting from the build up of abnormal prion proteins in the brain and nervous system

A:-BSE

B:-BOAA

C:-Giardiasis

D:-Cretinism

Correct Answer:- Option-A

Question45:-Bacteria which can survive either in the presence or absence of oxygen

A:-Obligate anaerobes

B:-Facultative aerobes

C:-Obligate aerobes

D:-Facultative anaerobes

Correct Answer:- Option-D

Question46:-Causative organism of peptic ulcer

A:-*Clostridium botulinum*

B:-*Lactobacillus acidophilus*

C:-*Helicobacter pylori*

D:-*Shigella sonnei*

Correct Answer:- Option-C

Question47:-Excess oxalate intake may lead to

A:-Nephrolithiasis

B:-Cholelithiasis

C:-Cirrhosis

D:-Crohn's disease

Correct Answer:- Option-A

Question48:-Koilonychia is a symptom of

A:-Jaundice

B:-Diabetes mellitus

C:-Anaemia

D:-Cirrhosis

Correct Answer:- Option-C

Question49:-Enteric fever is also known as

A:-Tuberculosis

B:-Typhoid

C:-Malaria

D:-Tropical sprue

Correct Answer:- Option-B

Question50:-Hypertension that develops insidiously

A:-Essential hypertension

B:-Secondary hypertension

C:-Portal hypertension

D:-Malignant hypertension

Correct Answer:- Option-A

Question51:-The chronic complication of diabetes mellitus is

A:-Hypoglycemia

B:-Nephropathy

C:-Ketoacidosis

D:-Hyperglycemia

Correct Answer:- Option-B

Question52:-Type of fatty acids recommended in liver diseases

A:-Capric acid

B:-Lauric acid

C:-Palmitic acid

D:-Stearic acid

Correct Answer:- Option-B

Question53:-Tumours that arise from connective tissues

A:-Sarcomas

B:-Carcinomas

C:-Melanoma

D:-Adenoma

Correct Answer:- Option-A

Question54:-Sugar appears in urine when blood sugar levels are

A:-<180 mg/dl

B:-> 180 mg/dl

C:-> 180 mg/ml

D:-< 120 mg/dl

Correct Answer:- Option-B

Question55:-Constipation resulting from excessive tone of colonic muscles

A:-Spastic constipation

B:-Atonic constipation

C:-Obstructive constipation

D:-Locomotive constipation

Correct Answer:- Option-A

Question56:-Enteral feeding is also known as

A:-Oral feeding

B:-Tube feeding

C:-TPN

D:-Peripheral vein feeding

Correct Answer:- Option-B

Question57:-Biological Oxygen Demand test is used for measuring

A:-Soil pollution

B:-Air pollution

C:-Noise pollution

D:-Water pollution

Correct Answer:- Option-D

Question58:-Minamata disease is pollution related disease resulting from

A:-Mercury toxicity

B:-Lead toxicity

C:-Arsenic toxicity

D:-Zinc toxicity

Correct Answer:- Option-A

Question59:-Aflatoxin is produced by the fungus

A:-*Candida albicans*

B:-*Pencillium niger*

C:-*Aspergillus niger*

D:-*Aspergillus flavus*

Correct Answer:- Option-D

Question60:-The disease gout is caused by the accumulation of

A:-Calcium

B:-Uric acid

C:-Blood plasma

D:-Synovial fluid

Correct Answer:- Option-B

Question61:-The recommended iodine intake for adults in the diet through food and fortified salt

A:-150 $\mu\text{g/d}$

B:-250 $\mu\text{g/d}$

C:-100 $\mu\text{g/d}$

D:-120 $\mu\text{g/d}$

Correct Answer:- Option-A

Question62:-Dispersion of gas bubbles in a liquid or semisolid phase

A:-Foam

B:-Emulsion

C:-Gel

D:-Colloid

Correct Answer:- Option-A

Question63:-Starch subjected to wet heat is known as

A:-Dextrinisation

B:-Caramelisation

C:-Dehydration

D:-Gelatinisation

Correct Answer:- Option-D

Question64:-Major protein present in milk

A:-Gluten

B:-Casein

C:-Lecithin

D:-Avidin

Correct Answer:- Option-B

Question65:-Recommended visible fat intake for an adult sedentary women

A:-20 g/day

B:-25 g/day

C:-40 g/day

D:-30 g/day

Correct Answer:- Option-A

Question66:-Caramel is found when sugar is heated to

A:-100°C

B:-200°C

C:-300°C

D:-400°C

Correct Answer:- Option-B

Question67:-Muscle wasting is a symptom of

A:-Overweight

B:-Marasmus

C:-Kwashiorkor

D:-Anaemia

Correct Answer:- Option-B

Question68:-Dietary survey method employed for gathering information regarding the availability of food at macro level

A:-Food list method

B:-Diet history method

C:-Dietary score method

D:-Food balance sheet method

Correct Answer:- Option-D

Question69:-Biochemical test used for indicating vitamin A status

A:-RDR test

B:-PIVKAS

C:-Erythrocyte transketolase test

D:-EGR test

Correct Answer:- Option-A

Question70:-Example for class I goitrogens

A:-Thiourea

B:-Thionamides

C:-Thiocyanates

D:-Flavanoids

Correct Answer:- Option-C

Question71:-Vitamin A deficiency causes

A:-Beriberi

B:-Bitot's spot

C:-Angular stomatitis

D:-Scurvy

Correct Answer:- Option-B

Question72:-RDA of iron for a lactating woman suggested by ICMR 2020

A:-21 mg/d

B:-35 mg/d

C:-23 mg/d

D:-38 mg/d

Correct Answer:- Option-C

Question73:-Edible fats used in bakery products are known as

A:-Shortenings

B:-Tempering

C:-Withering

D:-None of the above

Correct Answer:- Option-A

Question74:-Clarified molasses is known as

A:-Triticle

B:-Treacle

C:-Concentrates

D:-Sweetner

Correct Answer:- Option-B

Question75:-Emulsifier used in chocolate

A:-Cephalin

B:-Lecithin

C:-Baking soda

D:-Sugar

Correct Answer:- Option-B

Question76:-Method of cooking food on a flat, hot surface is called

A:-Griddle

B:-Grill

C:-Baking

D:-Broiling

Correct Answer:- Option-A

Question77:-An example for combination method of cooking is

A:-Stewing

B:-Poaching

C:-Braising

D:-Roasting

Correct Answer:- Option-C

Question78:-Identify a thick soup

A:-Consomme

B:-Chowder

C:-Broth

D:-Bouillons

Correct Answer:- Option-B

Question79:-The flavor enhancer extracted from sea weed and soyabean

A:-Methyl anthranilate

B:-Monosodium glutamate

C:-Ethyl butyrate

D:-Monoglyceryl stearate

Correct Answer:- Option-B

Question80:-An example for a biological leavening agent

A:-Steam

B:-Air

C:-Yeast

D:-Baking soda

Correct Answer:- Option-C

Question81:-Applied nutrition programme was introduced in

A:-Orissa

B:-Kerala

C:-Tamilnadu

D:-Uttar Pradesh

Correct Answer:- Option-A

Question82:-UNICEF was created by

A:-United Nations Security Council

B:-United Nations Development Council

C:-United Nations General Assembly

D:-United Nations Development Group

Correct Answer:- Option-C

Question83:-Headquarters of FAO

A:-United States

B:-Rome

C:-China

D:-Geneva

Correct Answer:- Option-B

Question84:-Ideal pH of flour for bread making

A:-5.5 - 6.5

B:-4.0 - 5.0

C:-6.0 - 7.5

D:-> 7.0

Correct Answer:- Option-A

Question85:-A polysaccharide present in mature fruits which is important for the preparation of jam and jelly

A:-Pectin

B:-Glycogen

C:-Starch

D:-Cellulose

Correct Answer:- Option-A

Question86:-Toxemia in pregnancy is also known as

A:-Preeclampsia

B:-Gestational diabetes

C:-Constipation

D:-Anorexia

Correct Answer:- Option-A

Question87:-An integral part of cost control in restaurants and have a significant impact on restaurant revenues

A:-Portion control

B:-Vending type

C:-Types of service

D:-Star rating

Correct Answer:- Option-A

Question88:-Most sophisticated style of waiter service

A:-Buffet Service

B:-Restaurant Service

C:-Banquet Service

D:-Cafeteria

Correct Answer:- Option-C

Question89:-Cooking in the minimum amount of liquid at a temperature just below the boiling point

A:-Simmering

B:-Stewing

C:-Poaching

D:-Blanching

Correct Answer:- Option-C

Question90:-Motivation hygiene theory was coined by

A:-Herzberg

B:-Maslow

C:-McClland

D:-Vroom

Correct Answer:- Option-A

Question91:-The term a la carte means

A:-A set menu without any alternatives or beverages

B:-A carte du jour menu inclusive of coffee and service charge

C:-A series of dishes as chosen by a customer and cooked to order

D:-A fixed menu with several choices on each course

Correct Answer:- Option-C

Question92:-Set of forces that energize, direct and sustain behaviour

A:-Motivation

B:-Expectancy

C:-Empowerment

D:-Socialisation

Correct Answer:- Option-A

Question93:-Effective communication pre-supposes

A:-Non-alignment

B:-Domination

C:-Passivity

D:-Understanding

Correct Answer:- Option-D

Question94:-Holding temperature for hot foods

A:-60-65°C

B:-80-85°C

C:-90-95°C

D:-100-110°C

Correct Answer:- Option-A

Question95:-Communication between different individuals/departments at the same organizational level

A:-Lateral communication

B:-Upward communication

C:-Downward communication

D:-None of the above

Correct Answer:- Option-A

Question96:-The route for administration of BCG Vaccine

A:-Intra-muscular

B:-Intradermal

C:-Oral

D:-Subcutaneous

Correct Answer:- Option-B

Question97:-Biophysical test used for detection of vitamin A deficiency

A:-DEXA

B:-Capillary fragility test

C:-MRI

D:-Bioelectrical impedance

Correct Answer:- **Question Cancelled**

Question98:-The process of eliciting performance above and beyond expectations is called

A:-Incentive leadership

B:-Transactional leadership

C:-Transformational leadership

D:-Effective leadership

Correct Answer:- Option-C

Question99:-The process of keeping out of microorganisms is known as

A:-Blanching

B:-Asepsis

C:-Pasteurisation

D:-None of the above

Correct Answer:- Option-B

Question100:-Anaerobic respiration of yeast produces

A:- N_2

B:- O_2

C:- H_2O

D:- CO_2

Correct Answer:- Option-D