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National Testing Agency

Question Paper Name :	Physiology and Biochemistry 26th March 2021 Shift2
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Physiology and Biochemistry

Group Number :	1
Group Id :	512452229
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Physiology and Biochemistry-1

Section Id :	512452915
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100

Number of Questions to be attempted : 100
Section Marks : 100
Mark As Answered Required? : Yes
Sub-Section Number : 1
Sub-Section Id : 5124521078
Question Shuffling Allowed : Yes

**Question Number : 1 Question Id : 51245219396 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

The term 'Physiology' has been originated from _____ language.

1. Latin
2. Chinese
3. Greek
4. German

Options :

51245263959. 1
51245263960. 2
51245263961. 3
51245263962. 4

**Question Number : 2 Question Id : 51245219397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

_____ is an excitatory neurotransmitter.

1. Acetylcholine
2. GABA
3. Serotonin
4. Epinephrine

Options :

51245263963. 1

51245263964. 2

51245263965. 3

51245263966. 4

Question Number : 3 Question Id : 51245219398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings is NOT triploblastic organism?

1. Hydra
2. Lizard
3. Frog
4. Man

Options :

51245263967. 1

51245263968. 2

51245263969. 3

51245263970. 4

Question Number : 4 Question Id : 51245219399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Bile acts as _____.

1. Detergent for breaking large fat globules into smaller ones
2. Enzyme for digesting food in the small intestine
3. Stimulant for pancreatic secretion of enzymes
4. Major ingredient of gallstones

Options :

51245263971. 1

51245263972. 2

51245263973. 3

51245263974. 4

Question Number : 5 Question Id : 51245219400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Scientific study of human hormones is termed as _____.

1. Neurology
2. Enzymology
3. Entomology
4. Endocrinology

Options :

- 51245263975. 1
- 51245263976. 2
- 51245263977. 3
- 51245263978. 4

Question Number : 6 Question Id : 51245219401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following muscles are associated with respiration?

1. Intercostal Muscles
2. Vestigial Muscles
3. Cardiac Muscles
4. All of the above options

Options :

- 51245263979. 1
- 51245263980. 2
- 51245263981. 3
- 51245263982. 4

Question Number : 7 Question Id : 51245219402 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ technology deals with the process of fertilization.

1. MRI
2. IVF
3. ECG
4. NMR

Options :

51245263983. 1
51245263984. 2
51245263985. 3
51245263986. 4

Question Number : 8 Question Id : 51245219403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hormone responsible for reabsorption of water in renal tubule is _____.

1. LH
2. ADH
3. FSH
4. TSH

Options :

51245263987. 1
51245263988. 2
51245263989. 3
51245263990. 4

Question Number : 9 Question Id : 51245219404 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which cells form myelin sheath around nerve axon?

1. Sertoli Cells
2. Smooth Muscle Cells
3. Schwann Cells
4. Interstitial Cells

Options :

- 51245263991. 1
- 51245263992. 2
- 51245263993. 3
- 51245263994. 4

Question Number : 10 Question Id : 51245219405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Platelets are responsible for:

1. Immunity
2. Blood Clotting
3. Respiration
4. Excretion

Options :

- 51245263995. 1
- 51245263996. 2
- 51245263997. 3
- 51245263998. 4

Question Number : 11 Question Id : 51245219406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which neuron type is a part of sensory pathways for smell, sight, taste, hearing and vestibular functions?

1. Unipolar Neuron
2. Bipolar Neuron
3. Multipolar Neuron
4. All of the above Options

Options :

- 51245263999. 1
- 51245264000. 2
- 51245264001. 3
- 51245264002. 4

Question Number : 12 Question Id : 51245219407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Stroke volume refers to _____.

1. Ventricular Output per Heart Beat
2. Capacity of Auricles per Heart Beat
3. Ejection Fraction of Heart for Every Beat
4. All of the above Options

Options :

- 51245264003. 1
- 51245264004. 2
- 51245264005. 3
- 51245264006. 4

Question Number : 13 Question Id : 51245219408 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Nodes of Ranvier are located in _____.

1. Dendrites
2. Nucleus
3. Between Areas of Myelin Sheath in Axon
4. All of the above options

Options :

51245264007. 1

51245264008. 2

51245264009. 3

51245264010. 4

Question Number : 14 Question Id : 51245219409 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Acromegaly is the clinical condition caused by _____.

1. Hyper Secretion of GH
2. Hyper Secretion of ICSH
3. Hypo Secretion of ACTH
4. Hypo Secretion of TSH

Options :

51245264011. 1

51245264012. 2

51245264013. 3

51245264014. 4

Question Number : 15 Question Id : 51245219410 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Based on the functions, multi-polar neurons are NOT classified in category of _____.

1. Reflex Neurons
2. Sensory Neurons
3. Motor Neurons
4. Interneurons

Options :

- 51245264015. 1
- 51245264016. 2
- 51245264017. 3
- 51245264018. 4

Question Number : 16 Question Id : 51245219411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Storage form of glucose in the liver is _____.

1. Starch
2. Lipids
3. Glycogen
4. Lignin

Options :

- 51245264019. 1
- 51245264020. 2
- 51245264021. 3
- 51245264022. 4

Question Number : 17 Question Id : 51245219412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the normal membrane potential in humans?

1. -7mV
2. -20mV
3. -70mV
4. -200mV

Options :

51245264023. 1
51245264024. 2
51245264025. 3
51245264026. 4

Question Number : 18 Question Id : 51245219413 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Ribozymes are _____.

1. RNA enzymes
2. Non-protein Enzymes
3. Catalyst
4. All of the above Options

Options :

51245264027. 1
51245264028. 2
51245264029. 3
51245264030. 4

Question Number : 19 Question Id : 51245219414 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is not associated with memory loss or brain damage in human.

1. Parkinson's Disease
2. Huntington's Disease
3. Spina Bifida
4. Epilepsy

Options :

51245264031. 1
51245264032. 2
51245264033. 3
51245264034. 4

Question Number : 20 Question Id : 51245219415 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hormone insulin is secreted by _____.

1. Hypothalamus
2. Thymus Gland
3. B Cells of Islets of Langerhans
4. Pituitary Gland

Options :

51245264035. 1
51245264036. 2
51245264037. 3
51245264038. 4

Question Number : 21 Question Id : 51245219416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Digestion of proteins involves:

1. Hydrolysis and Production of Amino Acids
2. Hydrolysis and Consumption of Amino Acids
3. Dehydration and Production of Amino Acids
4. Dehydration and Consumption of Amino Acids

Options :

- 51245264039. 1
- 51245264040. 2
- 51245264041. 3
- 51245264042. 4

Question Number : 22 Question Id : 51245219417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings function as respiratory centre?

1. Pneumotaxic Centre
2. Medullaryrhythmicity Centre
3. Apneustic Centre
4. All of the above options

Options :

- 51245264043. 1
- 51245264044. 2
- 51245264045. 3
- 51245264046. 4

Question Number : 23 Question Id : 51245219418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

How much amount of fluid is filtered in glomerulus per day?

1. 125L
2. 1200L
3. 180L
4. 300L

Options :

- 51245264047. 1
- 51245264048. 2
- 51245264049. 3
- 51245264050. 4

Question Number : 24 Question Id : 51245219419 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following person is known as universal blood acceptor?

1. B-ve
2. O-ve
3. O+ve
4. AB+ve

Options :

- 51245264051. 1
- 51245264052. 2
- 51245264053. 3
- 51245264054. 4

Question Number : 25 Question Id : 51245219420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

How many heart sound/s can be heard using a stethoscope?

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

Options :

- 51245264055. 1
- 51245264056. 2
- 51245264057. 3
- 51245264058. 4

Question Number : 26 Question Id : 51245219421 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is Sella turcia?

1. Foramen of Skull
2. Band Connecting Cerebral Hemispheres
3. Skull Depression for Lodging Pituitary
4. Cardiac Notch for Lodging of Heart

Options :

- 51245264059. 1
- 51245264060. 2
- 51245264061. 3
- 51245264062. 4

Question Number : 27 Question Id : 51245219422 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings enzyme catalyze the first step of β -oxidation?

1. Acyl-CoA dehydrogenase
2. Trans- Δ^2 -enoyl-CoA
3. Enoyl-CoA hydratase
4. β -hydroxyacyl-CoA

Options :

- 51245264063. 1
- 51245264064. 2
- 51245264065. 3
- 51245264066. 4

Question Number : 28 Question Id : 51245219423 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following characteristics is CORRECT for Isoenzymes?

1. They are chemically, immunologically and electrophoretically different forms of an enzyme
2. They are different forms of an enzyme similar in all properties
3. They catalyze different reactions
4. They possess same quaternary structures like the enzymes

Options :

- 51245264067. 1
- 51245264068. 2
- 51245264069. 3
- 51245264070. 4

Question Number : 29 Question Id : 51245219424 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which enzyme is responsible for breakdown of acetylcholine in the synaptic cleft?

1. Carbonic Anhydrase
2. Hexokinase
3. Alkaline Phosphatase
4. Acetylcholine Esterase

Options :

- 51245264071. 1
- 51245264072. 2
- 51245264073. 3
- 51245264074. 4

Question Number : 30 Question Id : 51245219425 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings will act as the major stimulus for release of cholecystokinin in small intestine?

1. Presence of bile in the intestine
2. Presence of pancreatic juice in the intestine
3. Presence of acidic chyme in the intestine
4. Presence of fatty acids and amino acids in stomach or duodenum

Options :

- 51245264075. 1
- 51245264076. 2
- 51245264077. 3
- 51245264078. 4

Question Number : 31 Question Id : 51245219426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which area of the brain controls the respiratory movements?

1. Cerebrum
2. Cerebellum
3. Medulla
4. Medusa

Options :

51245264079. 1
51245264080. 2
51245264081. 3
51245264082. 4

Question Number : 32 Question Id : 51245219427 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The main function of Renin-angiotensin system is to regulate _____.

1. Blood Pressure
2. Blood Sugar
3. Blood pH
4. Body Weight

Options :

51245264083. 1
51245264084. 2
51245264085. 3
51245264086. 4

Question Number : 33 Question Id : 51245219428 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Identify the 'INCORRECT' statement pertaining to the location of human heart:

1. Heart is located below the diaphragm.
2. Heart is located towards the left lung.
3. Heart is located inside the rib cage.
4. Heart is located in moderately tilted position.

Options :

- 51245264087. 1
- 51245264088. 2
- 51245264089. 3
- 51245264090. 4

Question Number : 34 Question Id : 51245219429 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Ballooning or stent placement surgery is performed for clinical condition of _____.

1. Artery Blockage
2. Valvular Stenosis
3. Cardiac Murmur
4. SA Node Dysfunction

Options :

- 51245264091. 1
- 51245264092. 2
- 51245264093. 3
- 51245264094. 4

Question Number : 35 Question Id : 51245219430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Androgens are produced by _____.

1. Testes and Adrenal Gland
2. Ovaries and Testes
3. Ovaries and Adrenal Gland
4. Adrenals Only

Options :

- 51245264095. 1
- 51245264096. 2
- 51245264097. 3
- 51245264098. 4

Question Number : 36 Question Id : 51245219431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Carbamoyl phosphate synthase-I enzyme is present in_____.

1. Spleen
2. Liver
3. Pancreas
4. Small Intestine

Options :

- 51245264099. 1
- 51245264100. 2
- 51245264101. 3
- 51245264102. 4

Question Number : 37 Question Id : 51245219432 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In protein configuration, the β -pleated sheet is an example of _____.

1. Primary Structure
2. Secondary Structure
3. Tertiary Structure
4. Quaternary Structure

Options :

- 51245264103. 1
- 51245264104. 2
- 51245264105. 3
- 51245264106. 4

Question Number : 38 Question Id : 51245219433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Common cause of epilepsy is _____.

1. Parkinson's Disease
2. Stroke or Transient Ischemic Attack (TIA)
3. Alzheimer's Disease
4. Saur Muscles

Options :

- 51245264107. 1
- 51245264108. 2
- 51245264109. 3
- 51245264110. 4

Question Number : 39 Question Id : 51245219434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Salivary enzyme amylase helps in the digestion of _____.

1. Starch
2. Proteins
3. Fats
4. Nucleic Acids

Options :

- 51245264111. 1
- 51245264112. 2
- 51245264113. 3
- 51245264114. 4

Question Number : 40 Question Id : 51245219435 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of followings is the primary regulating variable of central chemoreceptors?

1. Arterial pH
2. PO_2
3. PCO_2
4. Input from Stretch Receptors

Options :

- 51245264115. 1
- 51245264116. 2
- 51245264117. 3
- 51245264118. 4

Question Number : 41 Question Id : 51245219436 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Antidiuretic Hormone is also known as _____.

1. Natriuretic Hormone
2. Calcitriol
3. Vasopressin
4. Erythropoietin

Options :

- 51245264119. 1
- 51245264120. 2
- 51245264121. 3
- 51245264122. 4

Question Number : 42 Question Id : 51245219437 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following sentence is NOT a characteristic feature of cardiac muscle fibres?

1. Cardiac muscles possess intercalating bridges.
2. Cardiac muscles possess sarcoplasm.
3. Cardiac muscles are uni-nucleated.
4. Cardiac muscles have multiple mitochondria.

Options :

- 51245264123. 1
- 51245264124. 2
- 51245264125. 3
- 51245264126. 4

Question Number : 43 Question Id : 51245219438 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Identify the CORRECT body changes that occur in human males during puberty:

1. Growth of Facial Hair
2. Deepening of Voice
3. Increase in Muscular Growth
4. All of the above Options

Options :

- 51245264127. 1
- 51245264128. 2
- 51245264129. 3
- 51245264130. 4

Question Number : 44 Question Id : 51245219439 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following hormone is responsible for control and regulation of secretion of estrogen?

1. ADH
2. FSH
3. TSH
4. GH

Options :

- 51245264131. 1
- 51245264132. 2
- 51245264133. 3
- 51245264134. 4

Question Number : 45 Question Id : 51245219440 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Chemical Reaction in which transfer of an amine group from a molecule takes place is called

_____.

1. Reduction
2. Oxidation
3. Deamination
4. Transamination

Options :

- 51245264135. 1
- 51245264136. 2
- 51245264137. 3
- 51245264138. 4

Question Number : 46 Question Id : 51245219441 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Collagen is an example of a _____.

1. Structural Protein
2. Transport Protein
3. Storage Protein
4. Defense Protein

Options :

- 51245264139. 1
- 51245264140. 2
- 51245264141. 3
- 51245264142. 4

Question Number : 47 Question Id : 51245219442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Smooth muscle cells are found in _____.

1. Alimentary Canal
2. Urinary Tract
3. Blood Vessels
4. All of the above Options

Options :

51245264143. 1

51245264144. 2

51245264145. 3

51245264146. 4

Question Number : 48 Question Id : 51245219443 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following enzyme is involved in the digestion of proteins?

1. Amylase
2. Lipase
3. Protease
4. RNAase

Options :

51245264147. 1

51245264148. 2

51245264149. 3

51245264150. 4

Question Number : 49 Question Id : 51245219444 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Reduced rate and depth of breathing is termed as _____.

1. Hypoxia
2. Apnea
3. Hypoventilation
4. Anemia

Options :

51245264151. 1
51245264152. 2
51245264153. 3
51245264154. 4

Question Number : 50 Question Id : 51245219445 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Natriuresis refers to the process of_____.

1. Excessive Production of Urine
2. Excretion of Protein in Urine
3. Absorption of Sodium from Urine
4. Excretion of Sodium in Urine

Options :

51245264155. 1
51245264156. 2
51245264157. 3
51245264158. 4

Question Number : 51 Question Id : 51245219446 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is known as the natural pacemaker of the human heart.

1. Bundle of His
2. Vagus Nerve
3. AV Node
4. SA Node

Options :

- 51245264159. 1
- 51245264160. 2
- 51245264161. 3
- 51245264162. 4

Question Number : 52 Question Id : 51245219447 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Epididymis is associated with_____.

1. Secretion of Semen
2. Production of Testosterone
3. Storage of Sperm Temporarily
4. Lubrication of Sperm for More Effective Movement

Options :

- 51245264163. 1
- 51245264164. 2
- 51245264165. 3
- 51245264166. 4

Question Number : 53 Question Id : 51245219448 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Failure of release of ADH causes _____.

1. Coronary Thrombosis
2. Hepatitis
3. Diabetes Mellitus
4. Diabetes Insipidus

Options :

- 51245264167. 1
- 51245264168. 2
- 51245264169. 3
- 51245264170. 4

Question Number : 54 Question Id : 51245219449 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Animals that secrete urea as nitrogenous waste are termed as_____.

1. Ammonotelic
2. Ureotelic
3. Uricotelic
4. None of the above Options

Options :

- 51245264171. 1
- 51245264172. 2
- 51245264173. 3
- 51245264174. 4

Question Number : 55 Question Id : 51245219450 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following cells are agranulocytes?

1. Neutrophils
2. Eosinophils
3. Lymphocytes
4. All of the above Cells

Options :

- 51245264175. 1
- 51245264176. 2
- 51245264177. 3
- 51245264178. 4

Question Number : 56 Question Id : 51245219451 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Acetylcholine binding leads to opening of _____ channels.

1. Sodium
2. Calcium
3. Magnesium
4. All of the above options

Options :

- 51245264179. 1
- 51245264180. 2
- 51245264181. 3
- 51245264182. 4

Question Number : 57 Question Id : 51245219452 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Digestion of proteins begins in the _____.

1. Stomach
2. Mouth
3. Small Intestine
4. Large Intestine

Options :

- 51245264183. 1
- 51245264184. 2
- 51245264185. 3
- 51245264186. 4

Question Number : 58 Question Id : 51245219453 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is a condition in which adequate oxygen supply is NOT there in body tissues.

1. Hypoventilation
2. Hyperventilation
3. Anorexia
4. Hypoxia

Options :

- 51245264187. 1
- 51245264188. 2
- 51245264189. 3
- 51245264190. 4

Question Number : 59 Question Id : 51245219454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Antidiuretic hormone (ADH) is released by the _____.

1. Anterior Pituitary Gland
2. Posterior Pituitary Gland
3. Adrenal Gland
4. Thyroid Gland

Options :

- 51245264191. 1
- 51245264192. 2
- 51245264193. 3
- 51245264194. 4

Question Number : 60 Question Id : 51245219455 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The process by which platelets and plasma proteins react to convert fibrinogen into fibrin is known as _____.

1. Hemostasis
2. Homeostasis
3. Hemophilia
4. Vasoconstriction

Options :

- 51245264195. 1
- 51245264196. 2
- 51245264197. 3
- 51245264198. 4

Question Number : 61 Question Id : 51245219456 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Sperm duct is also known as _____.

1. Prostate
2. Vas Deferens
3. Epididymis
4. Penis

Options :

- 51245264199. 1
- 51245264200. 2
- 51245264201. 3
- 51245264202. 4

Question Number : 62 Question Id : 51245219457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Testosterone is produced by _____.

1. Sertoli Cells
2. Oxyntic Cells
3. Leydig Cells
4. Corpus Luteum

Options :

- 51245264203. 1
- 51245264204. 2
- 51245264205. 3
- 51245264206. 4

Question Number : 63 Question Id : 51245219458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Urea cycle is also known as_____.

1. Kreb's Cycle
2. HMP Shunt
3. Pentose Phosphate Pathway
4. Ornithine Cycle

Options :

- 51245264207. 1
- 51245264208. 2
- 51245264209. 3
- 51245264210. 4

Question Number : 64 Question Id : 51245219459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Platelets are produced from _____.

1. Erythrocytes
2. Megakaryocytes
3. Neutrophils
4. Phagocytes

Options :

- 51245264211. 1
- 51245264212. 2
- 51245264213. 3
- 51245264214. 4

Question Number : 65 Question Id : 51245219460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following protein/s control/s the binding of actin with myosin?

1. Troponin
2. Tropomyosin
3. Both Troponin and Tropomyosin
4. None of the above Options

Options :

- 51245264215. 1
- 51245264216. 2
- 51245264217. 3
- 51245264218. 4

Question Number : 66 Question Id : 51245219461 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Lowering of diaphragm occurs during _____.

1. Digestion
2. Inspiration
3. Expiration
4. Excretion

Options :

- 51245264219. 1
- 51245264220. 2
- 51245264221. 3
- 51245264222. 4

Question Number : 67 Question Id : 51245219462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In normal adult human, renal blood flow is _____.

1. 1200 mL/min
2. 900 mL/min
3. 600 mL/min
4. 300 mL/min

Options :

- 51245264223. 1
- 51245264224. 2
- 51245264225. 3
- 51245264226. 4

Question Number : 68 Question Id : 51245219463 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Parathyroid hormone stimulates the early distal convoluted tubule cells to reabsorb_____.

1. Na⁺ into the blood
2. Ca²⁺ into the blood
3. K⁺ into the blood
4. Glucose into the blood

Options :

- 51245264227. 1
- 51245264228. 2
- 51245264229. 3
- 51245264230. 4

Question Number : 69 Question Id : 51245219464 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is essential for blood clotting.

1. Sodium
2. Iodine
3. Calcium
4. Iron

Options :

51245264231. 1
51245264232. 2
51245264233. 3
51245264234. 4

Question Number : 70 Question Id : 51245219465 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Number of spermatozoons produced from a single primary spermatocyte during spermatogenesis is _____.

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

Options :

51245264235. 1
51245264236. 2
51245264237. 3
51245264238. 4

Question Number : 71 Question Id : 51245219466 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the CORRECT statement regarding function of Thyrocalcitonin:

1. It elevates K^+ levels in blood.
2. It elevates Ca^{+2} levels in blood.
3. It lowers Ca^{+2} levels in blood.
4. It lowers Na^+ levels in blood.

Options :

- 51245264239. 1
- 51245264240. 2
- 51245264241. 3
- 51245264242. 4

Question Number : 72 Question Id : 51245219467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which statement about enzyme catalyzed reactions is NOT true?

1. Enzymes form complexes with their substrates.
2. Enzymes lower the activation energy for chemical reactions.
3. Enzymes change the K_{eq} for chemical reactions.
4. Many enzymes change shape slightly when substrate binds.

Options :

- 51245264243. 1
- 51245264244. 2
- 51245264245. 3
- 51245264246. 4

Question Number : 73 Question Id : 51245219468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Rickets is caused by deficiency of _____.

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

Options :

51245264247. 1
51245264248. 2
51245264249. 3
51245264250. 4

Question Number : 74 Question Id : 51245219469 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is a red colored protein found in muscle cells.

1. Thrombin
2. Serotonin
3. Fibrin
4. Myoglobin

Options :

51245264251. 1
51245264252. 2
51245264253. 3
51245264254. 4

Question Number : 75 Question Id : 51245219470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is/are characteristics of good respiratory surface?

1. It should be permeable.
2. It should be thin.
3. It should be richly supplied with blood vessels.
4. All the above options

Options :

- 51245264255. 1
- 51245264256. 2
- 51245264257. 3
- 51245264258. 4

Question Number : 76 Question Id : 51245219471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Normal net filtration pressure in human kidney is _____.

1. 1 mmHg
2. 10 mmHg
3. 30 mmHg
4. 100 mmHg

Options :

- 51245264259. 1
- 51245264260. 2
- 51245264261. 3
- 51245264262. 4

Question Number : 77 Question Id : 51245219472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Healthy adult human contains about _____.

1. 2-3 litres of blood
2. 5-6 litres of blood
3. 8 litres of blood
4. 10 litres of blood

Options :

- 51245264263. 1
- 51245264264. 2
- 51245264265. 3
- 51245264266. 4

Question Number : 78 Question Id : 51245219473 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the followings acts as an anticoagulant?

1. Thrombin
2. Heparin
3. Histamine
4. Tissue factor

Options :

- 51245264267. 1
- 51245264268. 2
- 51245264269. 3
- 51245264270. 4

Question Number : 79 Question Id : 51245219474 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings are considered as principle female sex hormones?

1. Estrogen and Testosterone
2. Estrogen and Progesterone
3. Testosterone and Progesterone
4. None of the above Options

Options :

51245264271. 1

51245264272. 2

51245264273. 3

51245264274. 4

Question Number : 80 Question Id : 51245219475 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

At the end of glycolysis, each molecule of glucose yields 2 molecule of _____, 2 molecules of _____ and net of 2 molecules of _____.

1. FAD, NAD⁺, ADP
2. CO₂, NAD⁺, ADP
3. Ethanol, Lactic acid, CO₂
4. Pyruvate, NADH, ATP

Options :

51245264275. 1

51245264276. 2

51245264277. 3

51245264278. 4

Question Number : 81 Question Id : 51245219476 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Enzyme urease was first isolated from_____.

1. *Mirabilis jalapa*
2. Kidney Beans
3. Jack Beans
4. Pea Plant

Options :

51245264279. 1
51245264280. 2
51245264281. 3
51245264282. 4

Question Number : 82 Question Id : 51245219477 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is caused by deficiency of Vitamin B₁.

1. Night Blindness
2. Beriberi
3. Pellagra
4. Marasmus

Options :

51245264283. 1
51245264284. 2
51245264285. 3
51245264286. 4

Question Number : 83 Question Id : 51245219478 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Thin myofilaments are made up of _____.

1. Only Actin
2. Only Myosin
3. Both (1) and (2) Options
4. None of the above Options

Options :

- 51245264287. 1
- 51245264288. 2
- 51245264289. 3
- 51245264290. 4

Question Number : 84 Question Id : 51245219479 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings represents the correct order of the stages of respiration?

1. Gaseous Transport, Breathing, Tissue Respiration and Cellular Respiration
2. Breathing, Gaseous Transport, Tissue Respiration and Cellular Respiration
3. Breathing, Gaseous Transport, Cellular Respiration and Tissue Respiration
4. Breathing, Tissue Respiration, Cellular Respiration and Gaseous Transport

Options :

- 51245264291. 1
- 51245264292. 2
- 51245264293. 3
- 51245264294. 4

Question Number : 85 Question Id : 51245219480 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the location of brush border in nephron?

1. Bowman's Capsule
2. Proximal Convoluted Tubules
3. Glomerulus
4. Terminal Part of Distal Convoluted Tubule

Options :

- 51245264295. 1
- 51245264296. 2
- 51245264297. 3
- 51245264298. 4

Question Number : 86 Question Id : 51245219481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Site of blood cells production in human is _____.

1. Liver
2. Spleen
3. Kidney
4. Bone Marrow

Options :

- 51245264299. 1
- 51245264300. 2
- 51245264301. 3
- 51245264302. 4

Question Number : 87 Question Id : 51245219482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the followings is/are categorized as Vitamin K dependent blood clotting factor/s?

1. Factor II
2. Factor VII
3. Factor IX
4. All of the above Options

Options :

- 51245264303. 1
- 51245264304. 2
- 51245264305. 3
- 51245264306. 4

Question Number : 88 Question Id : 51245219483 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A process occurring in adult females in which the endometrium gets broken down and lost approximately every 28 days is known as _____.

1. Premenstrual Syndrome
2. Menstruation
3. Menopause
4. Puberty

Options :

- 51245264307. 1
- 51245264308. 2
- 51245264309. 3
- 51245264310. 4

Question Number : 89 Question Id : 51245219484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Pyruvic acid must be converted to _____ before it enters into TCA cycle.

1. Acetyl CoA
2. α -Ketoglutarate
3. Lactate
4. Citrate

Options :

- 51245264311. 1
- 51245264312. 2
- 51245264313. 3
- 51245264314. 4

Question Number : 90 Question Id : 51245219485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following sentence/s is/are true for exergonic reactions?

1. They are spontaneous reactions.
2. They can be coupled to endergonic reactions.
3. They release energy.
4. All of the above Options

Options :

- 51245264315. 1
- 51245264316. 2
- 51245264317. 3
- 51245264318. 4

Question Number : 91 Question Id : 51245219486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following gland produces corticosteroid hormone Aldosterone?

1. Thyroid Gland
2. Hypothalamus
3. Parathyroid Gland
4. Adrenal Gland

Options :

- 51245264319. 1
- 51245264320. 2
- 51245264321. 3
- 51245264322. 4

Question Number : 92 Question Id : 51245219487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the diameter of skeletal muscle?

1. 100 cm
2. 10 to 100 μm
3. 1 to 5 nm
4. 100 m

Options :

- 51245264323. 1
- 51245264324. 2
- 51245264325. 3
- 51245264326. 4

Question Number : 93 Question Id : 51245219488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a form by which CO₂ can be transported in the blood?

1. Dissolved in the blood plasma
2. Bound to the amino groups in proteins
3. Bound to the imidazole ring of glutamate
4. Bicarbonate

Options :

51245264327. 1

51245264328. 2

51245264329. 3

51245264330. 4

Question Number : 94 Question Id : 51245219489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following substance is considered as the abnormal component of urine?

1. Sodium Ion
2. Urea
3. Protein
4. Creatinine

Options :

51245264331. 1

51245264332. 2

51245264333. 3

51245264334. 4

Question Number : 95 Question Id : 51245219490 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Binding of hemoglobin to oxygen entirely depends upon:

1. Partial Pressure of Oxygen
2. Partial Pressure of Carbon Dioxide
3. Concentration of Hemoglobin
4. None of the above Options

Options :

- 51245264335. 1
- 51245264336. 2
- 51245264337. 3
- 51245264338. 4

Question Number : 96 Question Id : 51245219491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

On which of the following human body part, an electrode is NOT placed for recording ECG?

1. Left Arm
2. Right Arm
3. Left Leg
4. Right Leg

Options :

- 51245264339. 1
- 51245264340. 2
- 51245264341. 3
- 51245264342. 4

Question Number : 97 Question Id : 51245219492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The process of fertilization takes place in _____.

1. Fallopian Tube
2. Uterus
3. Ovary
4. Cervix

Options :

51245264343. 1
51245264344. 2
51245264345. 3
51245264346. 4

Question Number : 98 Question Id : 51245219493 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Brain of adult human requires approximately_____ of glucose daily.

1. 10g
2. 120g
3. 500g
4. 1500g

Options :

51245264347. 1
51245264348. 2
51245264349. 3
51245264350. 4

Question Number : 99 Question Id : 51245219494 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What are the characteristics of Coenzymes?

1. Heat Stable, Dialyzable, Non-Protein Organic Molecules
2. Soluble, Colloidal, Protein Molecules
3. Structural Analogue of Enzymes
4. Different Forms of Enzymes

Options :

- 51245264351. 1
- 51245264352. 2
- 51245264353. 3
- 51245264354. 4

Question Number : 100 Question Id : 51245219495 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Blood pressure or blood volume related information is collected and sent to the medulla oblongata with help of _____.

1. Chemoreceptors
2. Capillary Cells
3. Endothelial Cells
4. Baroreceptors

Options :

- 51245264355. 1
- 51245264356. 2
- 51245264357. 3
- 51245264358. 4