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National Testing Agency

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Endocrinology

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Endocrinology-1

Section Id : 512452801
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 :	512452837
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 51245213276 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The branch of science that deals with the study of the structure and function of endocrine glands is known as?

1. Endocrinology
2. Cytotechnology
3. Phenomenology
4. Epistemology

Options :

- 51245241105. 1
- 51245241106. 2
- 51245241107. 3
- 51245241108. 4

Question Number : 2 Question Id : 51245213277 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In which year, testosterone was isolated in a pure crystalline form?

1. 1946
2. 1935
3. 1925
4. 1930

Options :

- 51245241109. 1
- 51245241110. 2
- 51245241111. 3
- 51245241112. 4

Question Number : 3 Question Id : 51245213278 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following glands makes, both endocrine and exocrine secretions?

- 1. Pancreas
- 2. Parathyroid
- 3. Pineal
- 4. Hypothalamus

Options :

- 51245241113. 1
- 51245241114. 2
- 51245241115. 3
- 51245241116. 4

Question Number : 4 Question Id : 51245213279 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following glands secretes the hormone secretin?

- 1. Small intestine
- 2. Kidney
- 3. Liver
- 4. Brain

Options :

- 51245241117. 1

51245241118. 2

51245241119. 3

51245241120. 4

Question Number : 5 Question Id : 51245213280 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following hormones was the first to be discovered?

1. Rennin
2. Pepsin
3. Secretin
4. Insulin

Options :

51245241121. 1

51245241122. 2

51245241123. 3

51245241124. 4

Question Number : 6 Question Id : 51245213281 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hormones regulate diverse processes of our body and are the characteristic of the:

1. Endocrine system
2. Nervous system
3. Circulatory system
4. Excretory system

Options :

51245241125. 1

51245241126. 2

51245241127. 3

51245241128. 4

Question Number : 7 Question Id : 51245213282 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

At the time of delivery, the uterus contracts in response to a hormone. Which among the following hormones is responsible for uterine contractions at the time of labour?

1. Prolactin
2. Estrogen
3. Progesterone
4. Oxytocin

Options :

- 51245241129. 1
- 51245241130. 2
- 51245241131. 3
- 51245241132. 4

Question Number : 8 Question Id : 51245213283 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Goblet cells are a type of intestinal mucosal epithelial cell, which serves as the primary site for nutrient digestion and mucosal absorption. The cells represent which of the following glands?

1. Apocrine glands
2. Holocrine glands
3. Merocrine glands
4. All of the above

Options :

- 51245241133. 1
- 51245241134. 2

51245241135. 3

51245241136. 4

Question Number : 9 Question Id : 51245213284 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hormone responsible for “Fight and Flight” response is

1. Adrenaline
2. Thyroxine
3. Calcitonin
4. None of the above

Options :

51245241137. 1

51245241138. 2

51245241139. 3

51245241140. 4

Question Number : 10 Question Id : 51245213285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT an endocrine gland?

1. Hypothalamus
2. Pituitary
3. Parathyroid
4. Pancreas

Options :

51245241141. 1

51245241142. 2

51245241143. 3

51245241144. 4

Question Number : 11 Question Id : 51245213286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The bond between two amino acids in a protein is known as a peptide bond and the peptide bond is a

1. Covalent bond
2. Ionic bond
3. Metallic bond
4. Hydrogen bond

Options :

- 51245241145. 1
- 51245241146. 2
- 51245241147. 3
- 51245241148. 4

Question Number : 12 Question Id : 51245213287 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Proteins are important macromolecules of our body and are made up of amino acids joined by peptide bond. How many amino acids and peptide bonds will be in a tripeptide?

1. 2 amino acids and 1 peptide bond
2. 3 amino acids and 2 peptide bonds
3. 3 amino acids and 3 peptide bonds
4. 3 amino acids and 4 peptide bonds

Options :

- 51245241149. 1
- 51245241150. 2
- 51245241151. 3
- 51245241152. 4

Question Number : 13 Question Id : 51245213288 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hormones are of diverse nature and can be protein, steroid or amino acid. The receptors for steroid hormones are generally present at what site of the cell?

1. Nucleoplasm
2. Nuclear membrane
3. Cytoplasm
4. Plasma membrane

Options :

- 51245241153. 1
- 51245241154. 2
- 51245241155. 3
- 51245241156. 4

Question Number : 14 Question Id : 51245213289 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is an essential intermediate in the cholesterol biosynthesis pathway?

1. Acetic acid
2. Ethylene
3. Isoprene units
4. Methane

Options :

- 51245241157. 1
- 51245241158. 2
- 51245241159. 3
- 51245241160. 4

Question Number : 15 Question Id : 51245213290 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is the first intermediate in cholesterol synthesis?

1. Mevalonate
2. Isoprene
3. Squalene
4. Ethylene

Options :

- 51245241161. 1
- 51245241162. 2
- 51245241163. 3
- 51245241164. 4

Question Number : 16 Question Id : 51245213291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Steroid hormones are a group of hormones secreted by the adrenal cortex, testes and ovaries and their chemical nature is

1. Acidophilic
2. Thermophilic
3. Lipophilic
4. Hydrophilic

Options :

- 51245241165. 1
- 51245241166. 2
- 51245241167. 3
- 51245241168. 4

Question Number : 17 Question Id : 51245213292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Hormones transduce the information by binding to their cognate receptors. The steroid hormones mediate their action by binding to which type of receptors?

1. Nuclear receptors
2. Cellular receptors
3. Cell surface
4. Cytosol

Options :

- 51245241169. 1
- 51245241170. 2
- 51245241171. 3
- 51245241172. 4

Question Number : 18 Question Id : 51245213293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following is CORRECT for the hormone receptors and ligand binding?

1. Active
2. Reversible
3. Specific
4. Non-Specific

Options :

- 51245241173. 1
- 51245241174. 2
- 51245241175. 3
- 51245241176. 4

Question Number : 19 Question Id : 51245213294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following mediates autocrine signaling?

1. Interleukin-2
2. Insulin
3. Acetylcholine
4. Epinephrine

Options :

- 51245241177. 1
- 51245241178. 2
- 51245241179. 3
- 51245241180. 4

Question Number : 20 Question Id : 51245213295 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following hormones is derived from cholesterol?

1. TRH
2. TSH
3. Testosterone
4. Oxytocin

Options :

- 51245241181. 1
- 51245241182. 2
- 51245241183. 3
- 51245241184. 4

Question Number : 21 Question Id : 51245213296 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following hormones is hydrophilic in nature and binds extracellular receptors?

1. Cortisol
2. Estradiol
3. Glucagon
4. Thyroxine

Options :

51245241185. 1
51245241186. 2
51245241187. 3
51245241188. 4

Question Number : 22 Question Id : 51245213297 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following scientists introduced the term hormone?

1. William
2. John
3. Starling
4. Claude

Options :

51245241189. 1
51245241190. 2
51245241191. 3
51245241192. 4

Question Number : 23 Question Id : 51245213298 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following scientists discovered the first hormone?

1. William M. Bayliss and Ernest H.
2. Starling and John
3. Claude
4. Ernest

Options :

- 51245241193. 1
- 51245241194. 2
- 51245241195. 3
- 51245241196. 4

Question Number : 24 Question Id : 51245213299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Homeostasis was first recognized in the 19th century by

1. Claude Bernard
2. William M. Bayliss
3. Ernest H.
4. William Christopher

Options :

- 51245241197. 1
- 51245241198. 2
- 51245241199. 3
- 51245241200. 4

Question Number : 25 Question Id : 51245213300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following signalling mechanisms involves physical contact between the cells involved?

1. Paracrine signalling
2. Intracellular signalling
3. Autocrine signalling
4. Juxtacrine signalling

Options :

- 51245241201. 1
- 51245241202. 2
- 51245241203. 3
- 51245241204. 4

Question Number : 26 Question Id : 51245213301 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following constitutes the largest family of cell surface receptors?

1. GPCR
2. Ion-channel receptor
3. Enzyme-linked receptor
4. Nuclear receptor

Options :

- 51245241205. 1
- 51245241206. 2
- 51245241207. 3
- 51245241208. 4

Question Number : 27 Question Id : 51245213302 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT a secondary messenger?

1. cAMP
2. DAG
3. IP3
4. Insulin

Options :

51245241209. 1
51245241210. 2
51245241211. 3
51245241212. 4

Question Number : 28 Question Id : 51245213303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following glands secretes neurohormones?

1. Hypothalamus
2. Pituitary
3. Thyroid
4. Pancreas

Options :

51245241213. 1
51245241214. 2
51245241215. 3
51245241216. 4

Question Number : 29 Question Id : 51245213304 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is Growth hormone inhibiting hormone?

1. FSH
2. TRH
3. GHRH
4. Somatostatin

Options :

51245241217. 1
51245241218. 2
51245241219. 3
51245241220. 4

Question Number : 30 Question Id : 51245213305 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following hormones is secreted by the posterior pituitary gland?

1. Oxytocin
2. TSH
3. ICSH
4. Prolactin

Options :

51245241221. 1
51245241222. 2
51245241223. 3
51245241224. 4

Question Number : 31 Question Id : 51245213306 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Hormones regulate diverse functions of our body, from balancing the water content, to the regulation of metabolism. Which among the following glands regulates body's circadian rhythm?

1. Thymus gland
2. Pineal gland
3. Parathyroid gland
4. Pituitary gland

Options :

- 51245241225. 1
- 51245241226. 2
- 51245241227. 3
- 51245241228. 4

Question Number : 32 Question Id : 51245213307 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following are the main constituents of the pineal gland?

1. Pinealocytes
2. Erythrocytes
3. Both 1 & 2
4. None of the above

Options :

- 51245241229. 1
- 51245241230. 2
- 51245241231. 3
- 51245241232. 4

Question Number : 33 Question Id : 51245213308 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The pineal gland is shaped like a

1. Pine cone
2. Cup
3. Star
4. None of the above

Options :

- 51245241233. 1
- 51245241234. 2
- 51245241235. 3
- 51245241236. 4

Question Number : 34 Question Id : 51245213309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Pineal gland is also named as:

1. Epiphysis cerebri
2. Pineal body
3. Neurotransmitter
4. Both 1 and 2

Options :

- 51245241237. 1
- 51245241238. 2
- 51245241239. 3
- 51245241240. 4

Question Number : 35 Question Id : 51245213310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Pineal gland plays an important role in regulating

1. Seasonal Fertility
2. Rheumatoid arthritis
3. Hay fever
4. Antibody Secretion

Options :

- 51245241241. 1
- 51245241242. 2
- 51245241243. 3
- 51245241244. 4

Question Number : 36 Question Id : 51245213311 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Melatonin released primarily by the pineal gland is an

1. Amine hormone
2. An enzyme
3. An antibiotic
4. All of the above

Options :

- 51245241245. 1
- 51245241246. 2
- 51245241247. 3
- 51245241248. 4

Question Number : 37 Question Id : 51245213312 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hypothalamus is a portion of the brain that contains a number of small nuclei with a variety of functions. What connects hypothalamus to the pituitary?

1. Infundibulum
2. Corpus callosum
3. Anterior pituitary
4. Cerebral cortex

Options :

- 51245241249. 1
- 51245241250. 2
- 51245241251. 3
- 51245241252. 4

Question Number : 38 Question Id : 51245213313 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hypothalamus is a small region of the brain and is part of which part of the brain?

1. Midbrain
2. Forebrain
3. Hind brain
4. Future brain

Options :

- 51245241253. 1
- 51245241254. 2
- 51245241255. 3
- 51245241256. 4

Question Number : 39 Question Id : 51245213314 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the number of major nuclei in the hypothalamus?

1. 5
2. 8
3. 11
4. 16

Options :

- 51245241257. 1
- 51245241258. 2
- 51245241259. 3
- 51245241260. 4

Question Number : 40 Question Id : 51245213315 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following statements is CORRECT about the neurohormone melatonin?

1. It is derived from serotonin
2. Synthesis occurs only during the day
3. Secreted by thymus
4. None of the above

Options :

- 51245241261. 1
- 51245241262. 2
- 51245241263. 3
- 51245241264. 4

Question Number : 41 Question Id : 51245213316 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The preoptic area is a region of the hypothalamus. MeSH classifies it as part of the anterior hypothalamus and it harbors

1. The medial and lateral preoptic nuclei
2. Ventromedial nucleus
3. Supraoptic nucleus
4. All of the above

Options :

- 51245241265. 1
- 51245241266. 2
- 51245241267. 3
- 51245241268. 4

Question Number : 42 Question Id : 51245213317 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT CORRECT for parathyroid gland?

1. It is a yellowish-brown flat ovoid resembling a lentil seed.
2. Parathyroid glands are found in all adult tetrapods.
3. It secretes the hormone thyroxine
4. It is composed of chief cells and oxyphil cells.

Options :

- 51245241269. 1
- 51245241270. 2
- 51245241271. 3
- 51245241272. 4

Question Number : 43 Question Id : 51245213318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Major part of pancreas is

1. Ducted
2. Fluid filled
3. Ductless
4. None of the above

Options :

51245241273. 1
51245241274. 2
51245241275. 3
51245241276. 4

Question Number : 44 Question Id : 51245213319 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Endocrine glands are

1. Ductless glands
2. Glands with ducts
3. Both 1 & 2
4. None of the above

Options :

51245241277. 1
51245241278. 2
51245241279. 3
51245241280. 4

Question Number : 45 Question Id : 51245213320 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is produced by adrenal cortex?

1. Adrenaline
2. Calcitonin
3. Epinephrine
4. Aldosterone

Options :

51245241281. 1
51245241282. 2
51245241283. 3
51245241284. 4

Question Number : 46 Question Id : 51245213321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fatigue, reduced heart rate, and also weight gain are associated with

1. Cretinism
2. Hypothyroidism
3. Feed Forward mechanism
4. All of the above

Options :

51245241285. 1
51245241286. 2
51245241287. 3
51245241288. 4

Question Number : 47 Question Id : 51245213322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following hormones stimulates the release of milk

1. Vasopressin
2. Oxytocin
3. TSH
4. FSH

Options :

- 51245241289. 1
- 51245241290. 2
- 51245241291. 3
- 51245241292. 4

Question Number : 48 Question Id : 51245213323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The supraoptic region lies superior to the

1. Optic chiasm
2. Axons
3. Both 1 & 2
4. Pituitary gland

Options :

- 51245241293. 1
- 51245241294. 2
- 51245241295. 3
- 51245241296. 4

Question Number : 49 Question Id : 51245213324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is secreted by the anterior pituitary gland?

1. ADH
2. Oxytocin
3. TSH
4. Cortisol

Options :

51245241297. 1
51245241298. 2
51245241299. 3
51245241300. 4

Question Number : 50 Question Id : 51245213325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of these anterior pituitary hormones shows increased secretion in response to stress?

1. Thyroid-stimulating hormone
2. Adrenocorticotrophic hormone
3. Luteinizing hormone
4. Prolactin

Options :

51245241301. 1
51245241302. 2
51245241303. 3
51245241304. 4

Question Number : 51 Question Id : 51245213326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following hormones is NOT released by the adenohypophysis?

1. Adrenocorticotrophic hormone
2. Prolactin
3. Antidiuretic hormone
4. Thyroid stimulating hormone

Options :

51245241305. 1
51245241306. 2
51245241307. 3
51245241308. 4

Question Number : 52 Question Id : 51245213327 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Given below are some statements about the pancreas gland?

- A. Pancreas has both endocrine and exocrine functions.
- B. It regulates blood sugar and metabolism within the body.
- C. It secretes the hormone somatostatin.
- D. Melatonin is synthesized by Pancreatic islets.

Which among the following is correct.

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

Options :

51245241309. 1

51245241310. 2

51245241311. 3

51245241312. 4

Question Number : 53 Question Id : 51245213328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The Growth hormone is a single polypeptide chain containing 191 amino acids. The number of disulphide bonds present in the polypeptide chain of the growth hormone is

1. 1

2. 2

3. 3

4. 4

Options :

51245241313. 1

51245241314. 2

51245241315. 3

51245241316. 4

Question Number : 54 Question Id : 51245213329 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The two main hormones secreted by thyroid gland?

1. T3

2. T4

3. TSH

4. Both 1 and 2

Options :

51245241317. 1

51245241318. 2

51245241319. 3

51245241320. 4

Question Number : 55 Question Id : 51245213330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Following are the statements about G-protein-coupled receptors.

- A. They are seven pass transmembrane domain receptors.
- B. They are six pass transmembrane domain receptors.
- C. They interact with G proteins in the plasma membrane.
- D. In inactive state, the GPCR is bound to a heterotrimeric G protein complex.

Which among the above statements are CORRECT?

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

Options :

- 51245241321. 1
- 51245241322. 2
- 51245241323. 3
- 51245241324. 4

Question Number : 56 Question Id : 51245213331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Following are some statements about cyclic adenosine monophosphate (cAMP).

- A. It is synthesized by the enzyme adenylate cyclase.
- B. It is synthesized by the enzyme phosphodiesterase.
- C. It is involved in intracellular signal transduction.
- D. It binds and activates protein kinase A.

Which among the above statements is CORRECT?

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

Options :

- 51245241325. 1
- 51245241326. 2
- 51245241327. 3
- 51245241328. 4

Question Number : 57 Question Id : 51245213332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The hypophyseal portal system transports releasing and inhibiting hormones from the hypothalamus to the

- 1. Anterior pituitary gland (adenohypophysis)
- 2. Thyroid gland
- 3. Ovaries
- 4. Parathyroid glands

Options :

51245241329. 1
51245241330. 2
51245241331. 3
51245241332. 4

Question Number : 58 Question Id : 51245213333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A newborn baby has very low blood sugar level or a small penis, what will be the cause?

1. Deficiency of thyroid hormone
2. Deficiency of growth hormone
3. Increase in thyroid hormone
4. Increase in growth hormone

Options :

51245241333. 1
51245241334. 2
51245241335. 3
51245241336. 4

Question Number : 59 Question Id : 51245213334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which disease is known as “postpartum pituitary gland necrosis”?

1. Cushing’s disease
2. Addison’s disease
3. Sheehan’s disease
4. None of the above

Options :

51245241337. 1
51245241338. 2
51245241339. 3

51245241340. 4

Question Number : 60 Question Id : 51245213335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Galactorrhoea may occur as a result of

1. Deficient prolactin by the adenoma
2. Excess prolactin by the adenoma
3. Both 1 and 2
4. None of the above

Options :

- 51245241341. 1
- 51245241342. 2
- 51245241343. 3
- 51245241344. 4

Question Number : 61 Question Id : 51245213336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which type of epithelium is present in thyroid follicles?

1. Squamous
2. Cuboidal
3. Columnar
4. Transitional

Options :

- 51245241345. 1
- 51245241346. 2
- 51245241347. 3
- 51245241348. 4

Question Number : 62 Question Id : 51245213337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

How many lobes are present in the thyroid gland?

1. 2
2. 4
3. 5
4. 7

Options :

- 51245241349. 1
- 51245241350. 2
- 51245241351. 3
- 51245241352. 4

Question Number : 63 Question Id : 51245213338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following cells produce the hormone calcitonin?

1. C cells
2. B cells
3. A cells
4. T cells

Options :

- 51245241353. 1
- 51245241354. 2
- 51245241355. 3
- 51245241356. 4

Question Number : 64 Question Id : 51245213339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following statements is/are CORRECT about the function of thyroid gland in the body?

1. Controls metabolism
2. Maintain internal homeostasis
3. Controls breathing and heart rate
4. All of the above

Options :

- 51245241357. 1
- 51245241358. 2
- 51245241359. 3
- 51245241360. 4

Question Number : 65 Question Id : 51245213340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT secreted by the thyroid gland?

1. TRH
2. T4
3. T3
4. Thyroxine

Options :

- 51245241361. 1
- 51245241362. 2
- 51245241363. 3
- 51245241364. 4

Question Number : 66 Question Id : 51245213341 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following conditions results in decreased metabolism?

1. Hypothyroidism
2. Hyperthyroidism
3. Increase in BMR
4. Decrease in BMR

Options :

- 51245241365. 1
- 51245241366. 2
- 51245241367. 3
- 51245241368. 4

Question Number : 67 Question Id : 51245213342 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Thyroid disorders can range from a small, harmless goiter (enlarged gland) that needs no treatment to life-threatening cancer. Which of the following diseases are not related to thyroid glands?

1. Myxedema
2. Cretinism
3. Acromegaly
4. Goiter

Options :

- 51245241369. 1
- 51245241370. 2
- 51245241371. 3
- 51245241372. 4

Question Number : 68 Question Id : 51245213343 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT the symptom of hypothyroiditis?

1. Accumulation of urea in blood
2. Edema
3. Mental retardation
4. Lethargy

Options :

- 51245241373. 1
- 51245241374. 2
- 51245241375. 3
- 51245241376. 4

Question Number : 69 Question Id : 51245213344 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What are the symptoms of release of too much T3 and T4 hormones?

1. Anxiety
2. Nervousness
3. Hair loss
4. All of the above

Options :

- 51245241377. 1
- 51245241378. 2
- 51245241379. 3
- 51245241380. 4

Question Number : 70 Question Id : 51245213345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Parathyroid glands are four small glands of the endocrine system which regulate the calcium in our bodies. The hormone secreted by the parathyroid gland is

1. Calcitonin
2. PTH
3. PFH
4. Insulin

Options :

51245241381. 1
51245241382. 2
51245241383. 3
51245241384. 4

Question Number : 71 Question Id : 51245213346 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Following are some statements about cyclic guanosine monophosphate (cGMP).

- A. Nitric oxide stimulates cGMP synthesis.
- B. It mediates the phototransduction in the eye.
- C. It is synthesized from GTP by adenylate cyclase.
- D. Sildenafil prolongs the effects of cGMP.

Which among the above statements is CORRECT?

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

Options :

- 51245241385. 1
- 51245241386. 2
- 51245241387. 3
- 51245241388. 4

Question Number : 72 Question Id : 51245213347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The parathyroid glands are tiny, round structures and are present at the

- 1. Posterior surface of lateral lobes of thyroid
- 2. Posterior to stomach
- 3. On top of kidneys
- 4. Upper chest under breastbone

Options :

- 51245241389. 1
- 51245241390. 2
- 51245241391. 3
- 51245241392. 4

Question Number : 73 Question Id : 51245213348 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The zona glomerulosa is the outermost layer of the adrenal cortex, the hormones it secretes are known as

- 1. Mineralocorticoids (Aldosterone, deoxycorticosterone)
- 2. Glucocorticoids (Cortisol, corticosterone)
- 3. Androgens
- 4. Adrenaline

Options :

- 51245241393. 1
- 51245241394. 2
- 51245241395. 3
- 51245241396. 4

Question Number : 74 Question Id : 51245213349 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the arrangement of the cells of the zona glomerulosa?

- 1. Linear cords
- 2. Whorl of cells
- 3. Netlike
- 4. Spiral

Options :

- 51245241397. 1
- 51245241398. 2
- 51245241399. 3
- 51245241400. 4

Question Number : 75 Question Id : 51245213350 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Zona fasciculata is the layer situated between the glomerulosa and reticularis. What is the arrangement of the cells of the zona fasciculata?

- 1. Netlike
- 2. Whorls of cells
- 3. Linear cords
- 4. Spiral

Options :

- 51245241401. 1

51245241402. 2

51245241403. 3

51245241404. 4

Question Number : 76 Question Id : 51245213351 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What are the signs and symptoms of aldosteronism (hypersecretion of aldosterone)?

1. Hypotension
2. Hyponatremia
3. Hypokalemia
4. Alkalosis

Options :

51245241405. 1

51245241406. 2

51245241407. 3

51245241408. 4

Question Number : 77 Question Id : 51245213352 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Glucocorticoids circulates in plasma in protein bound/free form. Which of these is the plasma binding protein of glucocorticoids?

1. A-globulin
2. B-globulin
3. Albumin
4. Protein C

Options :

51245241409. 1

51245241410. 2

51245241411. 3

51245241412. 4

Question Number : 78 Question Id : 51245213353 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which among the following hormones from the adenohypophysis stimulates the release of cortisol from the adrenal?

1. ADH
2. ACTH
3. LH
4. MSH

Options :

51245241413. 1

51245241414. 2

51245241415. 3

51245241416. 4

Question Number : 79 Question Id : 51245213354 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Insulin plays a central role in controlling blood sugar levels in the body. Which part of pancreas produces and secretes insulin?

1. Glomerulus
2. Alpha cells
3. Beta cells
4. Delta cells

Options :

51245241417. 1

51245241418. 2

51245241419. 3

51245241420. 4

Question Number : 80 Question Id : 51245213355 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is the common passage for bile and pancreatic juice?

1. Duct of oddi
2. Ampulla
3. Stomach
4. Duct of Wirsung

Options :

51245241421. 1

51245241422. 2

51245241423. 3

51245241424. 4

Question Number : 81 Question Id : 51245213356 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about pancreas gland is correct?

- A. Pancreatic juice is a liquid secreted by the pancreas, which contains a variety of enzymes
- B. The pancreas is located in the visceral region, and is a major part of the digestive system
- C. Pancreatic juice is acidic in nature
- D. Pancreatic juice is alkaline in nature

Choose the correct answer from the options given below

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

Options :

- 51245241425. 1
- 51245241426. 2
- 51245241427. 3
- 51245241428. 4

Question Number : 82 Question Id : 51245213357 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about insulin are correct?

- A. Insulin regulates glucose concentration of your blood.
- B. Insulin is secreted by alpha cells of the pancreas.
- C. Beta cells secrete insulin hormone.
- D. Deficiency of insulin results in diabetes mellitus

Choose the correct answer from the options given below

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

Options :

- 51245241429. 1
- 51245241430. 2
- 51245241431. 3
- 51245241432. 4

Question Number : 83 Question Id : 51245213358 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Diabetes mellitus (DM), commonly known as diabetes, is a group of metabolic disorders characterized by a high blood sugar level over a prolonged period of time. Which of the following statements regarding different types of Diabetes mellitus are true?

- A. Type 1 diabetes results from the pancreas's failure to produce enough insulin due to loss of beta cells.
- B. Type 2 diabetes begins with insulin resistance, a condition in which cells fail to respond to insulin properly
- C. Type 1 diabetes results from the pancreas's failure to produce enough insulin due to loss of alpha cells.
- D. Gestational diabetes is the third main form, and occurs when pregnant women without a previous history of diabetes develop high blood sugar levels

Choose the correct answer from the options given below

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

Options :

- 51245241433. 1
- 51245241434. 2
- 51245241435. 3
- 51245241436. 4

Question Number : 84 Question Id : 51245213359 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about the Pineal gland are correct?

- A. The pineal gland, is a small endocrine gland in the brain of most vertebrates.
- B. Melatonin, a serotonin-derived hormone is produced by the pineal gland.
- C. Pineal gland secretes the hormone calcitonin
- D. Pineal gland regulates sleep patterns in both circadian and seasonal cycles.

Choose the correct answer from the options given below

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

Options :

- 51245241437. 1
- 51245241438. 2
- 51245241439. 3
- 51245241440. 4

Question Number : 85 Question Id : 51245213360 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about the thyroid hormones are correct?

- A. They are tyrosine-based hormones that are primarily responsible for regulation of metabolism.
- B. The major form of thyroid hormone in the blood is Thyroxine (T_4).
- C. A deficiency of iodine leads to decreased production of T_3 and T_4 .
- D. The major form of thyroid hormone in the blood is triiodothyronine (T_3).

Choose the correct answer from the options given below

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

Options :

- 51245241441. 1
- 51245241442. 2
- 51245241443. 3
- 51245241444. 4

Question Number : 86 Question Id : 51245213361 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about the adrenal cortex and its hormones are correct?

- A. The adrenal cortex mediates the stress response through the production of mineralocorticoids and glucocorticoids
- B. The adrenal cortex comprises three main zones viz, Zona glomerulosa, Zona fasciculata and Zona reticularis
- C. The secretion of aldosterone is also stimulated by Adrenocorticotrophic hormone
- D. Aldosterone is a glucocorticoid.

Choose the correct answer from the options given below

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

Options :

- 51245241445. 1
- 51245241446. 2
- 51245241447. 3
- 51245241448. 4

Question Number : 87 Question Id : 51245213362 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about the mammary glands are true?

- A. It is an exocrine gland that produces milk to feed young offspring
- B. The basic components of a mature mammary gland are the *alveoli* lined with milk-secreting cuboidal cells.
- C. Aldosterone induces stimulation of myoepithelial cells and induces milk secretion
- D. The myoepithelial cells contract under the stimulation of oxytocin, excreting the milk.

Choose the correct answer from the options given below

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

Options :

- 51245241449. 1
- 51245241450. 2
- 51245241451. 3
- 51245241452. 4

Question Number : 88 Question Id : 51245213363 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about Sertoli cells are true?

- A. These are nurse cells of the testicles and are part of a seminiferous tubule.
- B. Sertoli cells are not necessary in male sexual development.
- C. Sertoli cells express receptors for follicle-stimulating hormone.
- D. Sertoli cells are part of the female reproductive system.

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

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

Options :

- 51245241453. 1
- 51245241454. 2
- 51245241455. 3
- 51245241456. 4

Question Number : 89 Question Id : 51245213364 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about the female reproductive system are correct?

- A. In humans, the female reproductive system is immature at birth and develops to maturity at puberty.
- B. The internal sex organs are the uterus, fallopian tubes, and ovaries.
- C. The ovaries produce the ova or egg cells.
- D. Fallopian tubes produce the egg cells or ova.

Choose the correct answer from the options given below

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

Options :

- 51245241457. 1
- 51245241458. 2
- 51245241459. 3
- 51245241460. 4

Question Number : 90 Question Id : 51245213365 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements about Mineralocorticoids are correct?

- A. These are a class of corticosteroids, which in turn are a class of steroid hormones.
- B. Mineralocorticoids are produced by the zona glomerulosa layer of the adrenal cortex.
- C. These are produced by the zona fasciculata layer of the adrenal cortex.
- D. Zona reticularis of the adrenal medulla produces mineralocorticoids.

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

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

Options :

- 51245241461. 1
- 51245241462. 2
- 51245241463. 3
- 51245241464. 4

Question Number : 91 Question Id : 51245213366 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match List I with List II

List I	List II
Endocrine Gland	Hormone Secreted
A. Thyroid gland	I. Androgens
B. Zona reticularis	II. Thyroxine
C. Pineal gland	III. Glucocorticoids
D. Zona fasciculata	IV. Melatonin

Which one of the following is the **correct** match:

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

Options :

- 51245241465. 1
- 51245241466. 2
- 51245241467. 3
- 51245241468. 4

Question Number : 92 Question Id : 51245213367 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

List I	List II
Hormone	Function
A. Aldosterone	I. Catabolic Hormone
B. Insulin	II. Regulation of plasma sodium (Na ⁺) levels
C. Glucagon	III. Anabolic Hormone
D. Melatonin	IV. Regulates the sleep-wake cycle

Which among the following is **correct** match:

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

Options :

- 51245241469. 1
- 51245241470. 2
- 51245241471. 3
- 51245241472. 4

Question Number : 93 Question Id : 51245213368 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

List I	List II
Adrenal cortex hormones	Functional characteristics
A. Aldosterone	I. Precursor to testosterone
B. Cortisol	II. Regulation of blood pressure
C. Androstenedione	III. Increases blood sugar
D. Androgens	IV. Development and maintenance of male characteristics

Which among the following are correctly matched.

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

Options :

- 51245241473. 1
- 51245241474. 2
- 51245241475. 3
- 51245241476. 4

Question Number : 94 Question Id : 51245213369 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Following are a list of hormones produced by the thyroid glands and their characteristics.

List I	List II
Hormones produced by Thyroid Gland	Characteristics
A. Triiodothyronine	I. T ₄
B. Half-life of T ₃	II. T ₃
C. Half-life of T ₄	III. 6.5 days
D. Thyroxine	IV. 2.5 days

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

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

Options :

- 51245241477. 1
- 51245241478. 2
- 51245241479. 3
- 51245241480. 4

Question Number : 95 Question Id : 51245213370 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

Endocrine glands	Hormones secreted
A. Thyroid gland	I. Prolactin
B. Parathyroid gland	II. Calcitonin
C. Anterior pituitary gland	III. Oxytocin
D. Posterior pituitary	IV. Parathyroid hormone

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

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

Options :

- 51245241481. 1
- 51245241482. 2
- 51245241483. 3
- 51245241484. 4

Question Number : 96 Question Id : 51245213371 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

List I	List II
Hormones	Effects
A. Oxytocin	I. Stimulates water retention
B. Vasopressin	II. Lactation
C. Prolactin	III. Uterine contractions
D. Luteinizing hormone	IV. Sex hormone production

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

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

Options :

- 51245241485. 1
- 51245241486. 2
- 51245241487. 3
- 51245241488. 4

Question Number : 97 Question Id : 51245213372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

Hormone	Target
A. Adrenocorticotrophic hormone	I. Thyroid gland
B. Thyroid-stimulating hormone	II. Adrenal gland
C. Follicle-stimulating hormone	III. Liver
D. Growth hormone	IV. Gonads

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

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

Options :

- 51245241489. 1
- 51245241490. 2
- 51245241491. 3
- 51245241492. 4

Question Number : 98 Question Id : 51245213373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match List I with List II

Hormone	Nature of hormone
A. Luteinizing hormone	I. Polypeptide
B. Prolactin	II. Steroid
C. Thyroxine	III. Glycoprotein
D. Estradiol	IV. Amino acid

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

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

Options :

- 51245241493. 1
- 51245241494. 2
- 51245241495. 3
- 51245241496. 4

Question Number : 99 Question Id : 51245213374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match List I with List II

Type	Signalling
A. Endocrine	I. Acts on the target cells after being released into the bloodstream.
B. Autocrine	II. Acts on the nearby cells and does not have to enter general circulation.
C. Paracrine	III. Acts intracellularly on the cells that synthesized it.
D. Intracrine	IV. Affects the cell types that secreted it and causes a biological effect.

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

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

Options :

- 51245241497. 1
- 51245241498. 2
- 51245241499. 3
- 51245241500. 4

Question Number : 100 Question Id : 51245213375 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

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

Endocrine Disorder	Characteristics
A. Hyperthyroidism	I. Increased secretion of adrenocorticotrophic hormone
B. Osteitis fibrosa cystica	II. Excessive production of thyroid hormones
C. Cushing's disease	III. Elevated parathyroid hormone
D. Acromegaly	IV. Underproduction of vasopressin
E. Diabetes insipidus	V. Overproduction of growth hormone

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

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

Options :

- 51245241501. 1
- 51245241502. 2
- 51245241503. 3
- 51245241504. 4