

National Testing Agency

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Biogeography

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Biogeography-1

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Sub-Section Id :	512452776
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 51245211940 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The functions of ecosystem is controlled by

1. Biotic factors
2. Abiotic factors
3. Biotic and Abiotic factors
4. None of the above

Options :

- 51245236141. 1
- 51245236142. 2
- 51245236143. 3
- 51245236144. 4

Question Number : 2 Question Id : 51245211941 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Biogeography is the study of

1. Distribution of biological species with reference to time and space.
2. Distribution of land forms.
3. All living organisms that are too small to be visible with the naked eye.
4. Heredity and the variation of inherited characteristics.

Options :

- 51245236145. 1
- 51245236146. 2
- 51245236147. 3
- 51245236148. 4

Question Number : 3 Question Id : 51245211942 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Consider the following statements and select the correct answer from the given codes:

- A. Most of the fishing grounds occur in areas where the continental shelf is wide.
- B. Fishing activity is well developed in warm tropical waters.
- C. Mixing of warm and cold currents brings plant nutrients for fish.
- D. Inland fisheries are more significant than other types in India.

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

Options :

- 51245236149. 1
- 51245236150. 2
- 51245236151. 3
- 51245236152. 4

Question Number : 4 Question Id : 51245211943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Ozone hole is observed only over Antarctica.

Reason R: Ozone depleting gases are present throughout the stratosphere.

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

- 1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
- 2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
- 3. **A** is correct but **R** is not correct
- 4. **A** is not correct but **R** is correct

Options :

- 51245236153. 1
- 51245236154. 2
- 51245236155. 3
- 51245236156. 4

Question Number : 5 Question Id : 51245211944 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Wet dry tropical climates comes in

1. Low latitude region
2. Mid latitude region
3. High latitude region
4. None of the above

Options :

51245236157. 1

51245236158. 2

51245236159. 3

51245236160. 4

Question Number : 6 Question Id : 51245211945 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
A. Producer	i. Precipitation
B. Biota	ii. Microbes
C. Abiotic factor	iii. Trees
D. Decomposer	iv. All organisms

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

1. A-(ii) ; B-(iii) ; C-(iv) ; D-(i)
2. A-(iii) ; B-(iv) ; C-(i) ; D-(ii)
3. A-(ii) ; B-(iv) ; C-(i) ; D-(iii)
4. A-(ii) ; B-(iii) ; C-(i) ; D-(iv)

Options :

51245236161. 1

51245236162. 2

51245236163. 3

51245236164. 4

Question Number : 7 Question Id : 51245211946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The correct sequence in decreasing order of the albedo values of these ecosystems are:

- I.Taiga
- II.Tropical evergreen
- III.Tropical deciduous
- IV.Tundra

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

- 1. (i), (iv), (iii), (ii)
- 2. (iii), (iv), (i), (ii)
- 3. (iv), (i), (iii), (ii)
- 4. (i), (iv), (ii), (iii)

Options :

- 51245236165. 1
- 51245236166. 2
- 51245236167. 3
- 51245236168. 4

Question Number : 8 Question Id : 51245211947 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The very long dry season of Savannas is

- 1. Summer
- 2. Autumn
- 3. Spring
- 4. Winter

Options :

- 51245236169. 1
- 51245236170. 2
- 51245236171. 3
- 51245236172. 4

Question Number : 9 Question Id : 51245211948 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A : In the Arctic ecosystem, if lichen production were either impaired or destroyed, the whole system would collapse because the herbivorous and carnivorous directly and indirectly depend upon lichens.

Reason R : The Arctic ecosystem has a very complex trophic structure.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236173. 1
- 51245236174. 2
- 51245236175. 3
- 51245236176. 4

Question Number : 10 Question Id : 51245211949 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The main features of the Tundra biomes are

1. Fully frozen, too dry and cold regions
2. A treeless landscape
3. Experiences freezing temperature
4. All of the above

Options :

- 51245236177. 1
- 51245236178. 2
- 51245236179. 3
- 51245236180. 4

Question Number : 11 Question Id : 51245211950 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
(Continents)	(Names of temperate grassland)
A.North America	i. Veldt
B.South America	ii. Downsland
C.Africa	iii. Prairie
D.Australia	iv. Pampas

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

1. A-(i) ; B-(ii) ; C-(iii) ; D-(iv)
2. A-(ii) ; B-(iv) ; C-(iii) ; D-(i)
3. A-(iii) ; B-(i) ; C-(iv) ; D-(ii)
4. A-(iii) ; B-(iv) ; C-(ii) ; D-(i)

Options :

51245236181. 1
51245236182. 2
51245236183. 3
51245236184. 4

Question Number : 12 Question Id : 51245211951 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Alpine Tundra is distributed in

1. Alaska
2. Finland
3. Himalayan mountains of Asia
4. All of the above

Options :

51245236185. 1
51245236186. 2
51245236187. 3
51245236188. 4

Question Number : 13 Question Id : 51245211952 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
(Natural Vegetation)	(Indian States/UTs)
A.Conifers	i. Jharkhand
B.Evergreen	ii. Rajasthan
C.Xerophytes	iii. Andaman & Nicobar
D.Deciduous	iv. Jammu & Kashmir

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

1. A-(iii) ; B-(iv) ; C-(i) ; D-(ii)
2. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
3. A-(ii) ; B-(i) ; C-(iii) ; D-(iv)
4. A-(i) ; B-(ii) ; C-(iv) ; D-(iii)

Options :

51245236189. 1
 51245236190. 2
 51245236191. 3
 51245236192. 4

Question Number : 14 Question Id : 51245211953 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Alpine type of vegetation is found in _____ regions all around the world.

1. Cold
2. Hot
3. Desert
4. Mountain

Options :

51245236193. 1
 51245236194. 2
 51245236195. 3
 51245236196. 4

Question Number : 15 Question Id : 51245211954 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Chytridiomycota are commonly called as _____ 'etal.

1. Sac fungi
2. Club fungi
3. Ascomycetes
4. Chytrids

Options :

- 51245236197. 1
- 51245236198. 2
- 51245236199. 3
- 51245236200. 4

Question Number : 16 Question Id : 51245211955 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ of fungi species are found in India.

1. 27,000
2. 30,000
3. 33,000
4. 25,000

Options :

- 51245236201. 1
- 51245236202. 2
- 51245236203. 3
- 51245236204. 4

Question Number : 17 Question Id : 51245211956 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The plant ecology is study of _____.

1. Distribution and abundance of plants
2. Distribution and abundance of animals
3. Functions of eco system
4. Micro organisms

Options :

- 51245236205. 1
- 51245236206. 2
- 51245236207. 3
- 51245236208. 4

Question Number : 18 Question Id : 51245211957 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Ecological biogeography is study of _____.

1. The current factors responsible for the distribution species
2. The past distributions of species
3. The relations of organisms to one another and to their physical surroundings
4. None of the above

Options :

51245236209. 1

51245236210. 2

51245236211. 3

51245236212. 4

Question Number : 19 Question Id : 51245211958 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Boreal or Holarctic, plant kingdom is present in _____.

1. Asia and Australia
2. Eurasia and North America
3. Africa and North America
4. India and China

Options :

51245236213. 1

51245236214. 2

51245236215. 3

51245236216. 4

Question Number : 20 Question Id : 51245211959 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Antarctica is the largest land bridge that connected South America with _____ during Mesozoic.

1. Australia
2. Asia
3. North America
4. Africa

Options :

- 51245236217. 1
- 51245236218. 2
- 51245236219. 3
- 51245236220. 4

Question Number : 21 Question Id : 51245211960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :The growth of grass and other vegetative cover is limited to selvas.

Reason R :The separate crowns of trees coalesce and form a thick canopy above the forest floor.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236221. 1
- 51245236222. 2
- 51245236223. 3
- 51245236224. 4

Question Number : 22 Question Id : 51245211961 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following pairs of Koeppen's climate classification is/are correctly matched?

- A. H– Dry Climate
- B. B– Climate of Highlands
- C. E– Climate of very low temperature

- 1. Only A & C
- 2. Only C
- 3. Only B & C
- 4. None of the above

Options :

- 51245236225. 1
- 51245236226. 2
- 51245236227. 3
- 51245236228. 4

Question Number : 23 Question Id : 51245211962 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The smallest phytogeographic kingdom is_____.

- 1. Australian kingdom
- 2. Antarctic kingdom
- 3. South African kingdom
- 4. Malaysian kingdom

Options :

- 51245236229. 1
- 51245236230. 2
- 51245236231. 3
- 51245236232. 4

Question Number : 24 Question Id : 51245211963 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In recreational (sport) fisheries, harvesting of fish is done for _____.

1. Personal use
2. Leisure
3. Challenge
4. All of the above

Options :

51245236233. 1
 51245236234. 2
 51245236235. 3
 51245236236. 4

Question Number : 25 Question Id : 51245211964 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
A.Green Plants	i. Decomposer
B.Animal Parasites	ii. Primary Consumer
C.Plant Parasites	iii. Secondary Consumer
D.Fungi	iv. Producer

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

1. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
2. A-(ii) ; B-(i) ; C-(iv) ; D-(iii)
3. A-(iii) ; B-(ii) ; C-(i) ; D-(iv)
4. A-(i) ; B-(ii) ; C-(iv) ; D-(iii)

Options :

51245236237. 1
 51245236238. 2
 51245236239. 3
 51245236240. 4

Question Number : 26 Question Id : 51245211965 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Phytogeography is also known as?

1. Plant biology
2. Forestry
3. Geobotany
4. Phylogeography

Options :

- 51245236241. 1
- 51245236242. 2
- 51245236243. 3
- 51245236244. 4

Question Number : 27 Question Id : 51245211966 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Chestnut, hemlock, birch, maple, oak, ash are the major trees in_____.

1. Tropical (broad leaf) deciduous forests
2. Equatorial hot and wet forests
3. Tropical montane forests
4. Coniferous forests

Options :

- 51245236245. 1
- 51245236246. 2
- 51245236247. 3
- 51245236248. 4

Question Number : 28 Question Id : 51245211967 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following pairs of Koeppen's climate classification is/are correctly matched?

- A. BS – Steppe Climate
- B. Aw – Tropical rainforest
- C. Af – Tropical Savanna

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

- 1. Only A
- 2. Only A & B
- 3. Only C
- 4. None of the above

Options :

- 51245236249. 1
- 51245236250. 2
- 51245236251. 3
- 51245236252. 4

Question Number : 29 Question Id : 51245211968 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

DNA stands for_____.

- 1. De nucleic acid
- 2. Double nucleic acid
- 3. Dioxin acid
- 4. Deoxyribonucleic acid

Options :

- 51245236253. 1
- 51245236254. 2
- 51245236255. 3
- 51245236256. 4

Question Number : 30 Question Id : 51245211969 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Mediterranean basin's mosaic of mediterranean forests, woodlands, and scrub are home to _____ endemic species.

1. 20,000
2. 23,000
3. 12,000
4. 13,000

Options :

- 51245236257. 1
- 51245236258. 2
- 51245236259. 3
- 51245236260. 4

Question Number : 31 Question Id : 51245211970 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sundaland is a biogeographical region of

1. East Asia
2. South-Eastern Asia
3. Siberian region
4. Indian subcontinent

Options :

- 51245236261. 1
- 51245236262. 2
- 51245236263. 3
- 51245236264. 4

Question Number : 32 Question Id : 51245211971 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The equilibrium theory of island biogeography, is proposed by

1. Charles Darwin and Alfred Russel Wallace
2. Richard Dawkins and Jean Baptiste Lamarck
3. MacArthur and Wilson
4. Rachel Carson and Gregor Mendel

Options :

- 51245236265. 1
- 51245236266. 2
- 51245236267. 3

51245236268. 4

Question Number : 33 Question Id : 51245211972 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The Shola forest is found in

1. Upper Himalayas
2. Hills of North-Eastern India
3. Forest of Andaman and Nicobar Island
4. The forest in the Nilgiris, Annamalai and Palani hills of peninsular India.

Options :

51245236269. 1

51245236270. 2

51245236271. 3

51245236272. 4

Question Number : 34 Question Id : 51245211973 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The Equilibrium theory of island biogeography describes:

1. The theoretical relationship between immigration and extinction of species to islands.
2. The relations of organisms to one another and to their physical surroundings.
3. The relationship between animal kingdom and their environment.
4. The genes, genetic variation, and heredity in organisms.

Options :

51245236273. 1

51245236274. 2

51245236275. 3

51245236276. 4

Question Number : 35 Question Id : 51245211974 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In island biogeography theory, if there are two islands and one is closer to the mainland, the closer island would have

1. A higher rate of extinction than the distant island
2. A lower rate of extinction than the distant island
3. Fewer species than the distant island
4. A higher rate of immigration than the distant island

Options :

- 51245236277. 1
- 51245236278. 2
- 51245236279. 3
- 51245236280. 4

Question Number : 36 Question Id : 51245211975 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Charles Darwin first published 'The Origin of Species' in the year _____.

1. 1859
2. 1852
3. 1897
4. 1780

Options :

- 51245236281. 1
- 51245236282. 2
- 51245236283. 3
- 51245236284. 4

Question Number : 37 Question Id : 51245211976 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Who had given the theory of evolution of species by natural selection?

1. Darwin
2. Mendel
3. Dalton
4. Morgan

Options :

- 51245236285. 1
- 51245236286. 2

51245236287. 3

51245236288. 4

Question Number : 38 Question Id : 51245211977 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
(Symbol)	(Climatic type)
A. Cs	i. Marine West Coast type
B. Bw	ii. Tropical Savannah type
C. Df	iii. Mediterranean type
D. Aw	iv. Hot desert type

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

1. A-(ii) ; B-(i) ; C-(iii) ; D-(iv)
2. A-(iv) ; B-(i) ; C-(ii) ; D-(iii)
3. A-(iii) ; B-(iv) ; C-(i) ; D-(ii)
4. A-(ii) ; B-(i) ; C-(iv) ; D-(iii)

Options :

51245236289. 1

51245236290. 2

51245236291. 3

51245236292. 4

Question Number : 39 Question Id : 51245211978 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How many races are there in India?

1. 6
2. 8
3. 9
4. 7

Options :

51245236293. 1

51245236294. 2

51245236295. 3

51245236296. 4

Question Number : 40 Question Id : 51245211979 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 Tundra Biome?

- A.The growing season of the arctic tundra is about 50 to 60 days.
- B.The growing season in the alpine tundra regions is about 180 days.

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

- 1. Only A
- 2. Only B
- 3. Both A & B
- 4. Neither A & B

Options :

- 51245236297. 1
- 51245236298. 2
- 51245236299. 3
- 51245236300. 4

Question Number : 41 Question Id : 51245211980 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Melanin means

- 1. Yellow or reddish brown pigment produced by melanocytes.
- 2. A dark brown to black pigment that occurs in the hair, skin and iris of the human beings and animals.
- 3. Black to brown pigment produced by melanocytes.
- 4. Red to brown pigment produced by melanocytes.

Options :

- 51245236301. 1
- 51245236302. 2
- 51245236303. 3
- 51245236304. 4

Question Number : 42 Question Id : 51245211981 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Migration of skilled people from India to abroad for work can be termed as

1. Brain gain
2. Brain drain
3. Brain loss
4. Brain strain

Options :

- 51245236305. 1
- 51245236306. 2
- 51245236307. 3
- 51245236308. 4

Question Number : 43 Question Id : 51245211982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A : Presence of CO₂ in the earth's atmosphere is essential.

Reason R : CO₂ can absorb heat.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236309. 1
- 51245236310. 2
- 51245236311. 3
- 51245236312. 4

Question Number : 44 Question Id : 51245211983 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Eastern Himalayas includes the ranges in _____.

1. Arunachal Pradesh
2. Sikkim
3. Darjeeling
4. All of the above

Options :

- 51245236313. 1
- 51245236314. 2
- 51245236315. 3
- 51245236316. 4

Question Number : 45 Question Id : 51245211984 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Consider the given statements and identify the correct answer using the codes given below:

- A.Green plants are called saprotrophs.
 - B.Forest fires lead to secondary ecological succession.
 - C.Stages in the ecological succession are called seral stage.
1. A and B are correct
 2. A and C are correct
 3. B and C are correct
 4. Only B is correct

Options :

- 51245236317. 1
- 51245236318. 2
- 51245236319. 3
- 51245236320. 4

Question Number : 46 Question Id : 51245211985 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The type of soil found in western aspect of Ladakh Plateau and north Kashmir Himalayas is_____.

1. Shallow, loamy skeletal
2. Deep loamy saline and alkaline
3. Deep, loamy alluvium-derived
4. Shallow and medium loamy black

Options :

- 51245236321. 1
- 51245236322. 2
- 51245236323. 3
- 51245236324. 4

Question Number : 47 Question Id : 51245211986 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Microfauna are _____.

1. Small benthic invertebrates
2. Large animals
3. Aquatic animals
4. Microscopic or very small animals

Options :

- 51245236325. 1
- 51245236326. 2
- 51245236327. 3
- 51245236328. 4

Question Number : 48 Question Id : 51245211987 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Congo basin is the best example for:

1. Temperate Forest
2. Coniferous Forest
3. Thorn Forest
4. Evergreen Forest

Options :

- 51245236329. 1
- 51245236330. 2

51245236331. 3

51245236332. 4

Question Number : 49 Question Id : 51245211988 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Quaternary glaciations is also known as.

1. Pleistocene glaciation
2. Cambrian explosion
3. Ordovician glaciations
4. Silurian glaciations

Options :

51245236333. 1

51245236334. 2

51245236335. 3

51245236336. 4

Question Number : 50 Question Id : 51245211989 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
(Type of climates)	(Climate description)
A.Three seasons	i. Equatorial namely rainy season, cool season and hot dry season are occurred
B.Very hot summers	ii. Hot desert very cold summers, very low rainfall and far from the sea
C.Very hot with low rainfall	iii. Desert
D.Very hot and heavy rainfall	iv. Tropical monsoon

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

1. A-(iii) ; B-(ii) ; C-(i) ; D-(iv)
2. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
3. A-(ii) ; B-(iv) ; C-(i) ; D-(iii)
4. A-(i) ; B-(iii) ; C-(iv) ; D-(ii)

Options :

- 51245236337. 1
- 51245236338. 2
- 51245236339. 3
- 51245236340. 4

Question Number : 51 Question Id : 51245211990 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The current ice age is called as _____.

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

Options :

- 51245236341. 1
- 51245236342. 2
- 51245236343. 3
- 51245236344. 4

Question Number : 52 Question Id : 51245211991 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Presently we are in a warm interglacial period that began about _____years ago.

- 1. 10,000
- 2. 13,000
- 3. 11,000
- 4. 12,000

Options :

- 51245236345. 1
- 51245236346. 2
- 51245236347. 3
- 51245236348. 4

Question Number : 53 Question Id : 51245211992 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: The flowering, fruiting and ripening of some plant species are called phenophases.

Reason R: Phenology is the study of periodic biological phenomena and their relationship to weather and climate.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236349. 1
- 51245236350. 2
- 51245236351. 3
- 51245236352. 4

Question Number : 54 Question Id : 51245211993 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is the common type of distribution in nature?

1. Clumped
2. Random
3. Regular
4. Disjunct

Options :

- 51245236353. 1
- 51245236354. 2
- 51245236355. 3
- 51245236356. 4

Question Number : 55 Question Id : 51245211994 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The chemical released by salvia leucophylla is_____.

1. Alkaloid
2. Terpene
3. Steroid
4. Alcohol

Options :

- 51245236357. 1
- 51245236358. 2
- 51245236359. 3
- 51245236360. 4

Question Number : 56 Question Id : 51245211995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Changes in the orbital eccentricity of Earth occur on a cycle of about _____years.

1. 100,000
2. 20,00000
3. 400,000
4. 800,0000

Options :

- 51245236361. 1
- 51245236362. 2
- 51245236363. 3
- 51245236364. 4

Question Number : 57 Question Id : 51245211996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Consider the following statements. As per the Koeppen's classification of climate

- A. Af denotes equatorial type of climate.
- B. Cf denotes humid sub tropic type of climate.
- C. Df denotes Mediterranean type of climate.

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

- 1. A, B and C are correct
- 2. A and B are correct
- 3. B and C are correct
- 4. A and C are correct

Options :

- 51245236365. 1
- 51245236366. 2
- 51245236367. 3
- 51245236368. 4

Question Number : 58 Question Id : 51245211997 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is not the unique feature of marine ecosystems.

- 1. The oceanic environment is very wide, covering 75% of the earth's surface
- 2. The oceanic systems are very shallow in which no life exists
- 3. The water is salty with an average salt content of 35 g/litre
- 4. The concentration of dissolved nutrients is low

Options :

- 51245236369. 1
- 51245236370. 2
- 51245236371. 3
- 51245236372. 4

Question Number : 59 Question Id : 51245211998 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :The temperature is highest in the tropics and decreases gradually towards the poles.

Reason R :There is an unequal distribution of insolation on earth.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236373. 1
- 51245236374. 2
- 51245236375. 3
- 51245236376. 4

Question Number : 60 Question Id : 51245211999 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The major abiotic factors controlling the lotic ecosystems are

1. Slope and geomorphic conditions including the nature of substratum.
2. Physico-chemical properties of water. temperature, colour, alkalinity, pH and dissolved oxygen.
3. Flow velocity and quantity
4. All of the above

Options :

- 51245236377. 1
- 51245236378. 2
- 51245236379. 3
- 51245236380. 4

Question Number : 61 Question Id : 51245212000 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is the natural place where plants, animals, or other organisms live.

1. Ocean
2. Lakes
3. Environment
4. Habitat

Options :

- 51245236381. 1
- 51245236382. 2
- 51245236383. 3
- 51245236384. 4

Question Number : 62 Question Id : 51245212001 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Animals living at the bottom of water bodies are called as_____.

1. Benthos
2. Nekton
3. Plankton
4. Copepods

Options :

- 51245236385. 1
- 51245236386. 2
- 51245236387. 3
- 51245236388. 4

Question Number : 63 Question Id : 51245212002 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Arboreal habitat means_____.

1. Land
2. Tree branches
3. Water
4. Underground

Options :

- 51245236389. 1
- 51245236390. 2
- 51245236391. 3
- 51245236392. 4

Question Number : 64 Question Id : 51245212003 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Habitat destruction is caused by.

1. Population growth
2. Urbanization
3. Industrialization
4. All of the above

Options :

- 51245236393. 1
- 51245236394. 2
- 51245236395. 3
- 51245236396. 4

Question Number : 65 Question Id : 51245212004 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :Japan is one of the leading countries of the world in fish catch.

Reason R :Around Japan, the continental shelf is very wide.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236397. 1
- 51245236398. 2
- 51245236399. 3
- 51245236400. 4

Question Number : 66 Question Id : 51245212005 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Evolution means

1. It is the study of life in freshwater bodies.
2. It is the study of marine habitat and organisms.
3. It is concerned with the manner in which all ecological structure and functions have evolved.
4. It deals with the study of animal species

Options :

- 51245236401. 1
- 51245236402. 2
- 51245236403. 3
- 51245236404. 4

Question Number : 67 Question Id : 51245212006 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which one of the following deals with the relation and interaction of plant and animal communities with their total environment?

1. Synecology
2. Population ecology
3. Community ecology
4. Ecosystem ecology

Options :

- 51245236405. 1
- 51245236406. 2
- 51245236407. 3
- 51245236408. 4

Question Number : 68 Question Id : 51245212007 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The rise of _____ content in the water causes psoriasis.

1. Antifoams
2. Thioacetone
3. Fluoride
4. Bromine

Options :

- 51245236409. 1
- 51245236410. 2
- 51245236411. 3
- 51245236412. 4

Question Number : 69 Question Id : 51245212008 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is a largest terrestrial ecosystem of the world?

- 1. Forest ecosystem
- 2. Grassland
- 3. Deserts
- 4. Tundra

Options :

- 51245236413. 1
- 51245236414. 2
- 51245236415. 3
- 51245236416. 4

Question Number : 70 Question Id : 51245212009 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Hydrophytic plants are

- 1. Plants which live in wetness
- 2. Plants living in moist conditions
- 3. Plants of dry lands
- 4. Plants of saline waters

Options :

- 51245236417. 1
- 51245236418. 2
- 51245236419. 3
- 51245236420. 4

Question Number : 71 Question Id : 51245212010 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
(Environmental degradation)	(Causing Gase)
A. Acid rain	i. Carbon dioxide
B. Automobile smoke	ii. Nitrogen
C. Ozone depletion	iii. Oxide of sulphur
D. Global warming	iv. Chlorofluoro carbon

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

1. A-(iii) ; B-(ii) ; C-(iv) ; D-(i)
2. A-(i) ; B-(ii) ; C-(iii) ; D-(iv)
3. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
4. A-(ii) ; B-(iv) ; C-(iii) ; D-(i)

Options :

51245236421. 1
 51245236422. 2
 51245236423. 3
 51245236424. 4

Question Number : 72 Question Id : 51245212011 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ are the primary producers of the ecosystem.

1. Heterotrophs
2. Autotrophs
3. Consumers
4. Decomposers

Options :

51245236425. 1
 51245236426. 2
 51245236427. 3
 51245236428. 4

Question Number : 73 Question Id : 51245212012 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The factors limiting primary production in terrestrial ecosystem are_____.

1. Temperature and pressure
2. Temperature and moisture
3. Moisture and pressure
4. Light and temperature

Options :

- 51245236429. 1
- 51245236430. 2
- 51245236431. 3
- 51245236432. 4

Question Number : 74 Question Id : 51245212013 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ play an important role in material cycling.

1. Heterotrophs
2. Autotrophs
3. Consumers
4. Decomposers

Options :

- 51245236433. 1
- 51245236434. 2
- 51245236435. 3
- 51245236436. 4

Question Number : 75 Question Id : 51245212014 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ gases are main contributors to acid rain.

1. Carbon dioxide and carbon monoxide
2. Sulphur dioxide and carbon dioxide
3. Sulphur dioxide and nitrogen dioxide
4. Sulphur dioxide and carbon monoxide

Options :

- 51245236437. 1
- 51245236438. 2
- 51245236439. 3
- 51245236440. 4

Question Number : 76 Question Id : 51245212015 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :The moving ice velocity increases by steepness of slope of an area and thickness of glacial ice.

Reason R : The velocity decreases to the sides owing to lesser depth of ice and friction against the valley walls and the bottom floor.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

- 51245236441. 1
- 51245236442. 2
- 51245236443. 3
- 51245236444. 4

Question Number : 77 Question Id : 51245212016 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Consider the following statements and identify the correct answer using the codes given below:

A.Temperate areas are more significant for fishing than tropical areas.

B.Grand banks and Doggar banks occur in the North Pacific Ocean.

C.Peru and India are some of the leading fish producers in the world.

Codes:

1. Only B is correct
2. Only C is correct
3. A and C are correct
4. A and B are correct

Options :

- 51245236445. 1
- 51245236446. 2
- 51245236447. 3
- 51245236448. 4

Question Number : 78 Question Id : 51245212017 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The more stable and complex community is_____.

1. Community with low diversity
2. Community with high diversity
3. Community with no diversity
4. Community with less population

Options :

- 51245236449. 1
- 51245236450. 2
- 51245236451. 3
- 51245236452. 4

Question Number : 79 Question Id : 51245212018 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The hypolimnion means

1. Upper surface layer of lake
2. Upper surface layer of ocean
3. Cold lower layer of lakes
4. Cold lower layer of ocean

Options :

51245236453. 1

51245236454. 2

51245236455. 3

51245236456. 4

Question Number : 80 Question Id : 51245212019 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :Over the Antarctica only the ozone hole is observed.

Reason R :Throughout the stratosphere the ozone depleting gases are present

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

51245236457. 1

51245236458. 2

51245236459. 3

51245236460. 4

Question Number : 81 Question Id : 51245212020 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
A. Autotrophs	i. Take energy from inorganic sources and fix it into energy rich organic compound
B. Heterotrophs	ii. Obtain their energy from living organism
C. Herbivores	iii. Organisms that consume plants
D. Detritivores	iv. Obtain their energy from dead organism

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

1. A-(i) ; B-(ii) ; C-(iii) ; D-(iv)
2. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
3. A-(i) ; B-(iv) ; C-(ii) ; D-(iii)
4. A-(i) ; B-(ii) ; C-(iv) ; D-(iii)

Options :

51245236461. 1
51245236462. 2
51245236463. 3
51245236464. 4

Question Number : 82 Question Id : 51245212021 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is a factor of evolution of settlement.

1. Fertile soil
2. Religious factors
3. Socio-economic factor
4. All of the above

Options :

51245236465. 1
51245236466. 2
51245236467. 3
51245236468. 4

Question Number : 83 Question Id : 51245212022 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which is the first domesticated plant?

1. Wheat
2. Sugarcane
3. Barley
4. Paddy

Options :

- 51245236469. 1
- 51245236470. 2
- 51245236471. 3
- 51245236472. 4

Question Number : 84 Question Id : 51245212023 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The greenhouse effect is caused by

1. Greenhouse gases in the lower atmosphere absorbing solar radiation
2. Greenhouse gases in the lower atmosphere absorbing radiation from the earth's surface and preventing much of it escaping into space
3. Too much heat in the atmosphere
4. Too much sunshine reaching Earth

Options :

- 51245236473. 1
- 51245236474. 2
- 51245236475. 3
- 51245236476. 4

Question Number : 85 Question Id : 51245212024 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Consider the following statements and identify the correct answer from the codes given.

- A. Origin of human race is believed to be Central Africa.
- B. North Western Europe is having predominantly Cacausoids.
- C. Both the Americas have Indians who are Cacausoids by their origin.

Codes:

- 1. A and C are correct
- 2. A and B are correct
- 3. B and C are correct
- 4. Only C is correct

Options :

- 51245236477. 1
- 51245236478. 2
- 51245236479. 3
- 51245236480. 4

Question Number : 86 Question Id : 51245212025 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The major four races of America are as follows

- 1. Native Americans, African Americans, Asians and Whites
- 2. Native Americans, Afro Indians, Asians and Whites
- 3. Native Americans, Red Indians, Afro Asians, and Whites
- 4. Native Americans, Red Indians, Asians and Whites

Options :

- 51245236481. 1
- 51245236482. 2
- 51245236483. 3
- 51245236484. 4

Question Number : 87 Question Id : 51245212026 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
A. Autotrophs	i. distinct communities of a particular climatic condition
B. Food chain	ii. Relationship of all the organisms in a given habitat
C. Food web	iii. Photosynthesis
D. Biomes	iv. Producers, consumers and decomposers in a given niche

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

1. A-(ii) ; B-(i) ; C-(iii) ; D-(iv)
2. A-(iii) ; B-(iv) ; C-(ii) ; D-(i)
3. A-(iv) ; B-(iii) ; C-(ii) ; D-(i)
4. A-(i) ; B-(iii) ; C-(ii) ; D-(iv)

Options :

51245236485. 1
51245236486. 2
51245236487. 3
51245236488. 4

Question Number : 88 Question Id : 51245212027 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A :The equatorial zone is generally an area of abundant precipitation.

Reason R :The equatorial belt has high temperature, high humidity and high unstable air.

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

1. Both **A** and **R** are true and **R** is the correct explanation of **A**
2. Both **A** and **R** are true but **R** is NOT the correct explanation of **A**
3. **A** is true but **R** is false
4. **A** is false but **R** is true

Options :

51245236489. 1
51245236490. 2
51245236491. 3
51245236492. 4

Question Number : 89 Question Id : 51245212028 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The invention of agriculture took place in-

1. 2000 BC
2. 4000 BC
3. 5000 BC
4. 8000 BC

Options :

51245236493. 1
51245236494. 2
51245236495. 3
51245236496. 4

Question Number : 90 Question Id : 51245212029 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
(Biosphere Reserve)	(State)
A.Pachmarhi	i. Assam
B.Simlipat	ii. Madhya Pradesh
C.Agasthyamalai	iii. Kerala
D. Manas	iv. Odisha

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

1. A-(ii) ; B-(iv) ; C-(iii) ; D-(i)
2. A-(iv) ; B-(i) ; C-(iii) ; D-(ii)
3. A-(i) ; B-(iv) ; C-(ii) ; D-(iii)
4. A-(iii) ; B-(iv) ; C-(i) ; D-(ii)

Options :

51245236497. 1
51245236498. 2
51245236499. 3
51245236500. 4

Sub-Section Number :

2

Sub-Section Id :

512452777

Question Shuffling Allowed :

Yes

Question Id : 51245212030 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**Question Numbers : (91 to 100)**

Question Label : Comprehension

Read the following passage and answer the questions below:

Oxygen plays a significant role in the biosphere and is very essential element for the living organisms because it supports life. The circulation of oxygen also helps in the cycling of other elements in the biosphere. Oxygen is chemically very active because it combines with majority of the elements in the biosphere. It generally forms about 70 percent atoms in living matter and plays a very important role in the formation of carbohydrates, fats and proteins. It is required for respiration process by the animals including man and for photosynthesis by the plants. The oxygen cycle in the biosphere is very much complicated because of its various chemical forms e.g. molecular oxygen (O_2), water (H_2O), carbon dioxide (CO_2), different inorganic compounds as oxides (iron oxides- Fe_2O_3), carbonates (calcium carbonate- $CaCO_3$) etc.

It is believed that there was no free oxygen in the original earth-atmosphere. The molecular oxygen probably was formed only after the development of photosynthesising organisms due to splitting of water molecules by plant cells. Water is split by plant cells and is reconstituted in about every 2 million years and thus oxygen produced circulates in the atmosphere through various components and is again recycled after about 2000 years. Thus It is obvious that the residence time of oxygen in the atmosphere is much longer (2000 years, that is oxygen is recycled in 2000 ears) than the residence time of carbon (300 years, that is the carbon released by plants and animals through respiration is available again for them after 300 years).The oxygen continued to concentrate in the atmosphere from the time of its formation and now it constitutes about 21 percent of the total gaseous composition of the atmosphere. It is important to note that oxygen remains in molecular oxygen form (O_2) for very short time because it readily combines with CO_2 or H_2O or with other oxide forms.

Oxygen is produced through the process of photosynthesis by the autotrophic green plants of terrestrial ecosystem and phytoplanktons of marine ecosystems and to a lesser extent by the reduction of various mineral oxides. Oxygen, thus produced, enters the atmospheric storage pool. Every year some oxygen is also added to the atmosphere from volcanic eruption through outgassing mainly in the form of CO_2 and H_2O . Oxygen from the atmospheric storage pool is used by marine and terrestrial animals during respiration. Oxygen is also consumed during burning of wood and fossil fuels. Some portion of oxygen in the form of oxides is incorporated in the drainage waters and ultimately reaches the oceans and is incorporated in the sediments. Thus oxygen enters the sedimentary storage pool and remains there for considerably a longer

period of geological time scale. Thus the oxygen cycle involves the input of oxygen to the atmospheric storage pool from the photosynthesis of marine and terrestrial autotrophic plants and from volcanic eruption and the loss of oxygen from the atmospheric storage pool through respiration of marine and terrestrial organisms and minerals oxidation, burning of wood, grasses and forest fires, combustion of fossil fuels (coal and petroleum) etc.

The consumption of oxygen has increased after the Industrial Revolution in 1860. It is estimated that very high rate of industrial combustion in the industrialized world, mainly the U.S.A. and the Western Europe, uses more oxygen annually. Since the proportion of vegetation cover is decreasing and the industrial expansion is increasing, the imbalance between the amount of consumed and regenerated oxygen may be serious concern to human society.

Sub questions

Question Number : 91 Question Id : 51245212031 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What plays a significant role in the biosphere and is very essential element for the organisms because it supports life?

1. Oxygen
2. Nitrogen
3. Argon
4. CO₂

Options :

51245236501. 1
51245236502. 2
51245236503. 3
51245236504. 4

Question Number : 92 Question Id : 51245212032 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The circulation of oxygen is essential in the cycling of other elements in the

1. Hydrosphere
2. Lithosphere
3. Atmosphere
4. Biosphere

Options :

- 51245236505. 1
- 51245236506. 2
- 51245236507. 3
- 51245236508. 4

Question Number : 93 Question Id : 51245212033 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Oxygen plays a very important role in the formation of

- 1. Carbohydrates
- 2. Fats
- 3. Proteins
- 4. All of the above

Options :

- 51245236509. 1
- 51245236510. 2
- 51245236511. 3
- 51245236512. 4

Question Number : 94 Question Id : 51245212034 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Oxygen is required for respiration process by the animals including man and for photosynthesis by the

- 1. Microorganisms
- 2. Bacteria
- 3. Plants
- 4. Virus

Options :

- 51245236513. 1
- 51245236514. 2
- 51245236515. 3
- 51245236516. 4

Question Number : 95 Question Id : 51245212035 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The percentage of oxygen present in the atmosphere is

1. 78
2. 21
3. 0.03
4. 0.01

Options :

- 51245236517. 1
- 51245236518. 2
- 51245236519. 3
- 51245236520. 4

Question Number : 96 Question Id : 51245212036 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Major portion of oxygen is produced through the process of photosynthesis by the

1. Phytoplankton of marine ecosystems
2. Amazon Forest
3. Tropical Forest
4. Temperate Grasslands

Options :

- 51245236521. 1
- 51245236522. 2
- 51245236523. 3
- 51245236524. 4

Question Number : 97 Question Id : 51245212037 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Oxygen enters the sedimentary storage pool through

1. Volcanic eruption
2. Rainfall
3. Drainage waters
4. None of the above

Options :

- 51245236525. 1
- 51245236526. 2
- 51245236527. 3
- 51245236528. 4

Question Number : 98 Question Id : 51245212038 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The consumption of oxygen has increased after

1. 1840
2. 1860
3. 1880
4. 1920

Options :

- 51245236529. 1
- 51245236530. 2
- 51245236531. 3
- 51245236532. 4

Question Number : 99 Question Id : 51245212039 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Very high rate of industrial combustion in the industrialized world is found mainly in

1. China and Japan
2. The U.S.A. and the Western Europe
3. India and Pakistan
4. Africa and S. America

Options :

- 51245236533. 1
- 51245236534. 2
- 51245236535. 3
- 51245236536. 4

Question Number : 100 Question Id : 51245212040 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The imbalance between the amount of oxygen consumed and regenerated is the serious threat and concern to human society because

1. The proportion of vegetation cover is decreasing
2. The industrial expansion is increasing
3. Burning of fossil fuels
4. All of the above

Options :

- 51245236537. 1
- 51245236538. 2
- 51245236539. 3
- 51245236540. 4