

# National Testing Agency

**Question Paper Name:** FISHERIES SCIENCES 1st July 2019 Shift2  
**Subject Name:** FISHERIES SCIENCES  
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## FISHERIES SCIENCES

**Group Number :** 1  
**Group Id :** 55317211  
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## Part A : FISHERIES SCIENCES

**Section Id :** 55317219  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 160  
**Number of Questions to be attempted:** 160  
**Section Marks:** 640  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 55317241  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 5531721795 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is most productive ecosystems in terms of biomass production?

- (1) Pond ecosystems
- (2) Lake ecosystems
- (3) Brackish water ecosystems
- (4) River ecosystems

**Options :**

5531727121. 1

5531727122. 2

5531727123. 3

5531727124. 4

**Question Number : 2 Question Id : 5531721796 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The complex network of inter connected food chains is called

- (1) Trophic level
- (2) Food web
- (3) Ecological pyramid
- (4) Ecology chain

**Options :**

5531727125. 1

5531727126. 2

5531727127. 3

5531727128. 4

**Question Number : 3 Question Id : 5531721797 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following layer is composed of soft mud or ooze?

- (1) Photic zone
- (2) Limnetic zone
- (3) Benthic zone
- (4) Profundal zone

**Options :**

5531727129. 1

5531727130. 2

5531727131. 3

5531727132. 4

**Question Number : 4 Question Id : 5531721798 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following regions of the Indian coast has the maximum continental shelf area?

- (1) North – East
- (2) North- West
- (3) South-West
- (4) South-East

**Options :**

5531727133. 1

5531727134. 2

5531727135. 3

5531727136. 4

**Question Number : 5 Question Id : 5531721799 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

One of the most variable yet important characters used  
in species description is

- (1) Meristic counts
- (2) Colour patterns
- (3) Karyotyping
- (4) Standard length

**Options :**

5531727137. 1

5531727138. 2

5531727139. 3

5531727140. 4

**Question Number : 6 Question Id : 5531721800 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The gills of penaeid shrimps are

- (1) Dendrobranchiate
- (2) Hemi - branchiate
- (3) Demi - branchiate
- (4) Phyllo - branchiate

**Options :**

5531727141. 1

5531727142. 2

5531727143. 3

5531727144. 4

**Question Number : 7 Question Id : 5531721801 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In the classification of bivalve, the most important  
character used is

- (1) Nature of the foot
- (2) Shell morphology
- (3) Shell colouration
- (4) Teeth on radula

**Options :**

5531727145. 1

5531727146. 2

5531727147. 3

5531727148. 4

Question Number : 8 Question Id : 5531721802 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a virgin stock of fish, Z is equal to

- (1) Fishing mortality
- (2) Fishing intensity
- (3) Breeding mortality
- (4) Natural mortality

Options :

5531727149. 1

5531727150. 2

5531727151. 3

5531727152. 4

Question Number : 9 Question Id : 5531721803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Of the various processes occurring in a population, from management point of view, the most important one is,

- (1) Fishing mortality
- (2) Recruitment
- (3) Growth
- (4) Natural mortality

Options :

5531727153. 1

5531727154. 2

5531727155. 3

5531727156. 4

Question Number : 10 Question Id : 5531721804 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Off shore fisheries management is the responsibility of

- (1) State government
- (2) Central government
- (3) Both central and state government
- (4) Autonomous organizations

Options :

5531727157. 1

5531727158. 2

5531727159. 3

5531727160. 4

Question Number : 11 Question Id : 5531721805 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The magnitude of natural mortality in the sea depends on

- (1) Temperature
- (2) Salinity
- (3) Pollution
- (4) Predation

Options :

5531727161. 1

5531727162. 2

5531727163. 3

5531727164. 4

Question Number : 12 Question Id : 5531721806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is known as 'Black Clam'?

- (1) *Paphia malabarica*
- (2) *Meretrix casta*
- (3) *Villorita cyprinoides*
- (4) *Anadara granosa*

Options :

5531727165. 1

5531727166. 2

5531727167. 3

5531727168. 4

Question Number : 13 Question Id : 5531721807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following fishes is protected under the Schedule-1 of the Indian Wild Life (Protection) Act 1972?

- (1) *Rachycentron canadum*
- (2) *Rhincodon typus*
- (3) *Secutor insidiator*
- (4) *Eridacnis radcliffei*

Options :

5531727169. 1

5531727170. 2

5531727171. 3

5531727172. 4

Question Number : 14 Question Id : 5531721808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The prescribed cod end mesh size for trawl is

- (1) 20 mm
- (2) 10 mm
- (3) 50 mm
- (4) 35 mm

**Options :**

5531727173. 1

5531727174. 2

5531727175. 3

5531727176. 4

**Question Number : 15 Question Id : 5531721809 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In global inland fish production, India holds

- (1) Second position
- (2) Third position
- (3) Fifth position
- (4) Fourth position

**Options :**

5531727177. 1

5531727178. 2

5531727179. 3

5531727180. 4

**Question Number : 16 Question Id : 5531721810 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Logistic model was developed by

- (1) Gulland
- (2) Daniel Panly
- (3) Schaefer
- (4) Hickling

**Options :**

5531727181. 1

5531727182. 2

5531727183. 3

5531727184. 4

**Question Number : 17 Question Id : 5531721811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The concept of virtual population analysis in fish population dynamics was introduced by

- (1) Fry
- (2) Gulland
- (3) Munro
- (4) Baranov

Options :

- 5531727185. 1
- 5531727186. 2
- 5531727187. 3
- 5531727188. 4

Question Number : 18 Question Id : 5531721812 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Panly's method for estimation of natural mortality holds good for

- (1) Crustaceans
- (2) Molluscs
- (3) Fin fish
- (4) Aquatic mammals

Options :

- 5531727189. 1
- 5531727190. 2
- 5531727191. 3
- 5531727192. 4

Question Number : 19 Question Id : 5531721813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If the survival rate is 0.54, the annual mortality rate will be

- (1) 0.46
- (2) 0.40
- (3) 0.6
- (4) 36

Options :

- 5531727193. 1
- 5531727194. 2
- 5531727195. 3
- 5531727196. 4

Question Number : 20 Question Id : 5531721814 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Jheels' are commonly seen in the topographical feature of

- (1) Godavari
- (2) Brahmaputra
- (3) Cauvery
- (4) Tungabhadra

**Options :**

5531727197. 1

5531727198. 2

5531727199. 3

5531727200. 4

**Question Number : 21 Question Id : 5531721815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Among the cephalopods more than 8 circumoral appendages are found in

- (1) Loligo
- (2) Nautilus
- (3) Sepia
- (4) Octopus

**Options :**

5531727201. 1

5531727202. 2

5531727203. 3

5531727204. 4

**Question Number : 22 Question Id : 5531721816 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Physostomous condition of gas bladder refers to

- (1) No connection with oesophagus
- (2) Connection with Weberian apparatus
- (3) Connection with lungs
- (4) Connection with gut

**Options :**

5531727205. 1

5531727206. 2

5531727207. 3

5531727208. 4

**Question Number : 23 Question Id : 5531721817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**



Adipose fin is not a characteristic in

- (1) *Anabantiformes*
- (2) *Salmoniformes*
- (3) *Characiformes*
- (4) *Siluriformes*

Options :

5531727209. 1

5531727210. 2

5531727211. 3

5531727212. 4

Question Number : 24 Question Id : 5531721818 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Gonopodium' is found in

- (1) *Anabantidae*
- (2) *Cyprinidae*
- (3) *Anguillidae*
- (4) *Poeciliidae*

Options :

5531727213. 1

5531727214. 2

5531727215. 3

5531727216. 4

Question Number : 25 Question Id : 5531721819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first United Nations Conference on the Law of Sea  
(UNCROS) was held at Geneva in the year

- (1) 1950
- (2) 1954
- (3) 1956
- (4) 1958

Options :

5531727217. 1

5531727218. 2

5531727219. 3

5531727220. 4

Question Number : 26 Question Id : 5531721820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Banning of fishing during a particular time to protect 'brood fish' is called

- (1) Growth over fishing
- (2) Recruitment over fishing
- (3) Biological over fishing
- (4) Ecological over fishing

Options :

5531727221. 1

5531727222. 2

5531727223. 3

5531727224. 4

Question Number : 27 Question Id : 5531721821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If abundance of a stock is above the MSY, the stock is considered as

- (1) Under exploited
- (2) Over exploited
- (3) Virgin stock
- (4) Moderately exploited

Options :

5531727225. 1

5531727226. 2

5531727227. 3

5531727228. 4

Question Number : 28 Question Id : 5531721822 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The scientific name of feather back is

- (1) *Anabas testudineus*
- (2) *Notopterus Notopterus*
- (3) *Clarias batrachus*
- (4) *Channa striatus*

Options :

5531727229. 1

5531727230. 2

5531727231. 3

5531727232. 4

Question Number : 29 Question Id : 5531721823 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most affected fisheries in the world due to El-Nino phenomenon is

- (1) Mackerel fisheries
- (2) Salmon fisheries
- (3) Halibut fisheries
- (4) Peruvian anchovy fisheries

Options :

5531727233. 1

5531727234. 2

5531727235. 3

5531727236. 4

Question Number : 30 Question Id : 5531721824 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The scientific name of oil sardine is

- (1) *Rastrelliger kanagurta*
- (2) *Sardinella longiceps*
- (3) *Harpodon nehereus*
- (4) *Caranx malabaricus*

Options :

5531727237. 1

5531727238. 2

5531727239. 3

5531727240. 4

Question Number : 31 Question Id : 5531721825 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Type of scales found in sharks

- (1) Cycloid
- (2) Ctenoid
- (3) Placoid
- (4) Ganoid

Options :

5531727241. 1

5531727242. 2

5531727243. 3

5531727244. 4

Question Number : 32 Question Id : 5531721826 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following country introduced "Individual Transferable Quota System" for the first time as National Policy?

- (1) New Zealand
- (2) China
- (3) Australia
- (4) United Kingdom

**Options :**

- 5531727245. 1
- 5531727246. 2
- 5531727247. 3
- 5531727248. 4

**Question Number : 33 Question Id : 5531721827 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Govt of India has imposed uniform fishing ban along the west coast of India from

- (1) June 10 to July 31
- (2) June 15 to August 15
- (3) June 1 to July 31
- (4) April 15 to June 30

**Options :**

- 5531727249. 1
- 5531727250. 2
- 5531727251. 3
- 5531727252. 4

**Question Number : 34 Question Id : 5531721828 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

FAO adopted the Code of Conduct for Responsible Fisheries during

- (1) October 1995
- (2) November 1991
- (3) January 1996
- (4) September 1965

**Options :**

- 5531727253. 1
- 5531727254. 2
- 5531727255. 3
- 5531727256. 4

**Question Number : 35 Question Id : 5531721829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Indian fisheries Act was enacted in the year

- (1) 1891
- (2) 1897
- (3) 1921
- (4) 1987

Options :

5531727257. 1

5531727258. 2

5531727259. 3

5531727260. 4

Question Number : 36 Question Id : 5531721830 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The 2n number of chromosomes in *Catla Catla* is

- (1) 100
- (2) 50
- (3) 40
- (4) 104

Options :

5531727261. 1

5531727262. 2

5531727263. 3

5531727264. 4

Question Number : 37 Question Id : 5531721831 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Catch per unit effort in a fishery will not improve by

- (1) Increasing the number of fishing boats
- (2) Decreasing the fishing days
- (3) Decreasing the number of fishing boats
- (4) Introducing fishing ban

Options :

5531727265. 1

5531727266. 2

5531727267. 3

5531727268. 4

Question Number : 38 Question Id : 5531721832 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most typical character of all molluscs is the presence of

- (1) Foot
- (2) Shell
- (3) Mantle
- (4) Soft body

**Options :**

5531727269. 1

5531727270. 2

5531727271. 3

5531727272. 4

**Question Number : 39 Question Id : 5531721833 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Krill is included under the order

- (1) Decapoda
- (2) Euphansiacea
- (3) Calanoida
- (4) Mysidacea

**Options :**

5531727273. 1

5531727274. 2

5531727275. 3

5531727276. 4

**Question Number : 40 Question Id : 5531721834 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Two populations in the same habitat at different times of a year, are an example of

- (1) Temporal isolation
- (2) Geographical isolation
- (3) Gametic isolation
- (4) Habitat isolation

**Options :**

5531727277. 1

5531727278. 2

5531727279. 3

5531727280. 4

**Question Number : 41 Question Id : 5531721835 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Pokkali paddy fields are present in

- (1) Karnataka
- (2) West Bengal
- (3) Kerala
- (4) Tamil Nadu

**Options :**

5531727281. 1

5531727282. 2

5531727283. 3

5531727284. 4

**Question Number : 42 Question Id : 5531721836 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

'Cage culture' originated in

- (1) Philippines
- (2) Cambodia
- (3) China
- (4) India

**Options :**

5531727285. 1

5531727286. 2

5531727287. 3

5531727288. 4

**Question Number : 43 Question Id : 5531721837 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Primary consideration for the construction of a fish farm  
is

- (1) Construction of berm
- (2) Selection of site
- (3) Construction of dyke
- (4) Availability of raw material

**Options :**

5531727289. 1

5531727290. 2

5531727291. 3

5531727292. 4

**Question Number : 44 Question Id : 5531721838 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Freshwater prawns are

- (1) Surface feeders
- (2) Plankton feeders
- (3) Carnivores
- (4) Omnivores and bottom feeders

**Options :**

5531727293. 1

5531727294. 2

5531727295. 3

5531727296. 4

**Question Number : 45 Question Id : 5531721839 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Asian seabass is

- (1) Euryhaline
- (2) Stenohaline
- (3) Oligohaline
- (4) Mesohaline

**Options :**

5531727297. 1

5531727298. 2

5531727299. 3

5531727300. 4

**Question Number : 46 Question Id : 5531721840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

As per records, the earliest fish cultured was

- (1) Cat fish
- (2) Tilapia
- (3) Common carp
- (4) Trout

**Options :**

5531727301. 1

5531727302. 2

5531727303. 3

5531727304. 4

**Question Number : 47 Question Id : 5531721841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**



Gonadal development is inhibited in shrimps due to the presence of

- (1) Y organ
- (2) X organ complex
- (3) Pituitary gland
- (4) Hypothalamus

**Options :**

5531727305. 1

5531727306. 2

5531727307. 3

5531727308. 4

**Question Number : 48 Question Id : 5531721842 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

During the rearing period from fry to fingerlings, the recommended range of supplementary feed for carps is

- (1) 1% to 2% of body weight
- (2) 2% to 4% of body weight
- (3) 6% to 10% of body weight
- (4) 10% to 12% of body weight

**Options :**

5531727309. 1

5531727310. 2

5531727311. 3

5531727312. 4

**Question Number : 49 Question Id : 5531721843 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In the production of Fish feed, high pressure and temperature excursion is done for producing

- (1) Hard slow sinking pellets
- (2) Sinking pellets
- (3) Floating pellets
- (4) Soft pellets

**Options :**

5531727313. 1

5531727314. 2

5531727315. 3

5531727316. 4

**Question Number : 50 Question Id : 5531721844 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Apparatus used for estimation of N<sub>2</sub> in feeds is

- (1) Soxtech
- (2) Muffle furnace
- (3) Kjeldahl
- (4) Bomb calorimeter

Options :

- 5531727317. 1
- 5531727318. 2
- 5531727319. 3
- 5531727320. 4

Question Number : 51 Question Id : 5531721845 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The term 'water flea' is used for

- (1) Rotifer
- (2) Algae
- (3) Artemia
- (4) Daphnia

Options :

- 5531727321. 1
- 5531727322. 2
- 5531727323. 3
- 5531727324. 4

Question Number : 52 Question Id : 5531721846 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bacteria responsible for oxidizing nitrate to nitrite in aquatic waterbodies is:

- (1) Nitrosomonas
- (2) Lactobacillus
- (3) Nitrobactor
- (4) Acidobactor

Options :

- 5531727325. 1
- 5531727326. 2
- 5531727327. 3
- 5531727328. 4

Question Number : 53 Question Id : 5531721847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The common disease found in tiger shrimp and responsible for drastic decrease in shrimp production is

- (1) Aeromonas hydrophilia disease
- (2) Epizootic ulcerative disease
- (3) Yellow head virus disease
- (4) White spot disease

**Options :**

5531727329. 1

5531727330. 2

5531727331. 3

5531727332. 4

**Question Number : 54 Question Id : 5531721848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The stain malachite green is used to diagnose which of the following viral diseases in shrimps by squash method

- (1) IHNV
- (2) MBV
- (3) WSSV
- (4) TSV

**Options :**

5531727333. 1

5531727334. 2

5531727335. 3

5531727336. 4

**Question Number : 55 Question Id : 5531721849 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is not an immunodiagnostic method?

- (1) ELISA
- (2) Western Blot
- (3) Agglutination test
- (4) In -situ hybridization

**Options :**

5531727337. 1

5531727338. 2

5531727339. 3

5531727340. 4

**Question Number : 56 Question Id : 5531721850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Cyanocobalamin is also known as

- (1) Vitamin D
- (2) Vitamin K
- (3) Vitamin C
- (4) Vitamin B<sub>12</sub>

Options :

5531727341. 1

5531727342. 2

5531727343. 3

5531727344. 4

Question Number : 57 Question Id : 5531721851 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

White spot in fin fishes is caused by a

- (1) RNA virus
- (2) DNA virus
- (3) Oomycete
- (4) Parasite

Options :

5531727345. 1

5531727346. 2

5531727347. 3

5531727348. 4

Question Number : 58 Question Id : 5531721852 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fish spermatozoa is preserved by cryopreservation using

- (1) Solid CO<sub>2</sub>
- (2) Liquid hydrogen
- (3) Liquid CO<sub>2</sub>
- (4) Liquid nitrogen

Options :

5531727349. 1

5531727350. 2

5531727351. 3

5531727352. 4

Question Number : 59 Question Id : 5531721853 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

GIFT is a selective breeding program associated with

- (1) Shrimp
- (2) Tilapia
- (3) Salmon
- (4) Sea bass

**Options :**

5531727353. 1

5531727354. 2

5531727355. 3

5531727356. 4

**Question Number : 60 Question Id : 5531721854 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following hormones is not synthetic?

- (1) HCG
- (2) Oviprim
- (3) WOVA-FH
- (4) Ovatide

**Options :**

5531727357. 1

5531727358. 2

5531727359. 3

5531727360. 4

**Question Number : 61 Question Id : 5531721855 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Eggs are adhesive in case of

- (1) Catla
- (2) Mrigal
- (3) Silver carp
- (4) Common carp

**Options :**

5531727361. 1

5531727362. 2

5531727363. 3

5531727364. 4

**Question Number : 62 Question Id : 5531721856 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Mussel culture originated in

- (1) USA
- (2) France
- (3) Japan
- (4) Philippines

**Options :**

5531727365. 1

5531727366. 2

5531727367. 3

5531727368. 4

Question Number : 63 Question Id : 5531721857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The amount of available Phosphorus (mg P/100g soil) in a highly productive pond should be

- (1) 1-2
- (2) 2-3
- (3) 3-6
- (4) >6

Options :

5531727369. 1

5531727370. 2

5531727371. 3

5531727372. 4

Question Number : 64 Question Id : 5531721858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The text book of "Classic of Fish Culture" was written by

- (1) Fan li
- (2) V G Jhingran
- (3) Hickling C.F
- (4) T .V.R Pillay

Options :

5531727373. 1

5531727374. 2

5531727375. 3

5531727376. 4

Question Number : 65 Question Id : 5531721859 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Veliger' is the larval form of

- (1) Molluscs
- (2) Crab
- (3) Eels
- (4) Lobster

Options :

5531727377. 1

5531727378. 2

5531727379. 3

5531727380. 4

Question Number : 66 Question Id : 5531721860 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Prolactin' in fish is secreted by

- (1) Cella turcica
- (2) Neurohypophysis
- (3) Chromatin tissue
- (4) Adenohypophysis

**Options :**

5531727381. 1

5531727382. 2

5531727383. 3

5531727384. 4

**Question Number : 67 Question Id : 5531721861 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which one is not an essential amino acid?

- (1) Arginine
- (2) Serine
- (3) Tryptophan
- (4) Histidine

**Options :**

5531727385. 1

5531727386. 2

5531727387. 3

5531727388. 4

**Question Number : 68 Question Id : 5531721862 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Eggs of fresh water prawns' hatches into

- (1) Nauplius
- (2) Mysis
- (3) Megalopa
- (4) Zoea

**Options :**

5531727389. 1

5531727390. 2

5531727391. 3

5531727392. 4

**Question Number : 69 Question Id : 5531721863 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Sixth nauplii stage of tiger shrimp metamorphose into

- (1) Veliger
- (2) Zoea
- (3) Mysis
- (4) Phylosoma

**Options :**

5531727393. 1

5531727394. 2

5531727395. 3

5531727396. 4

**Question Number : 70 Question Id : 5531721864 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following fish is called as aquatic chicken?

- (1) Rohu
- (2) Catla
- (3) Tilapia
- (4) Catfish

**Options :**

5531727397. 1

5531727398. 2

5531727399. 3

5531727400. 4

**Question Number : 71 Question Id : 5531721865 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Larval stage of fresh water mussel is

- (1) Brachionus
- (2) Pediveliger
- (3) Puerulus
- (4) Glochidium

**Options :**

5531727401. 1

5531727402. 2

5531727403. 3

5531727404. 4

**Question Number : 72 Question Id : 5531721866 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**



Causative agent for EUS in fish is

- (1) *Aeromonas hydrophilia*
- (2) *Aphanomyces invadans*
- (3) *Aspusillus sps*
- (4) *Acidophilus sps*

Options :

5531727405. 1

5531727406. 2

5531727407. 3

5531727408. 4

Question Number : 73 Question Id : 5531721867 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Migration from freshwater to marine water is referred to as

- (1) Anadromous
- (2) Amphidromous
- (3) Potamodromous
- (4) Catadromous

Options :

5531727409. 1

5531727410. 2

5531727411. 3

5531727412. 4

Question Number : 74 Question Id : 5531721868 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Thyroid hormone secretion is stimulated by

- (1) LSH
- (2) TSH
- (3) GIH
- (4) HCG

Options :

5531727413. 1

5531727414. 2

5531727415. 3

5531727416. 4

Question Number : 75 Question Id : 5531721869 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The headquarter of Central Institute of Fresh Water Aquaculture (CIFA) is located at

- (1) Chennai
- (2) Cochin
- (3) Kolkata
- (4) Bhubaneshwar

Options :

5531727417. 1

5531727418. 2

5531727419. 3

5531727420. 4

Question Number : 76 Question Id : 5531721870 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The desirable C:N ratio range of pond sediment for sustaining productivity in water is

- (1) 10:1 to 20:1
- (2) 5:1 to 7:1
- (3) 12:1 to 22:1
- (4) 6:1 to 8:1

Options :

5531727421. 1

5531727422. 2

5531727423. 3

5531727424. 4

Question Number : 77 Question Id : 5531721871 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When a pond is constructed on the sandy soil, which one is used to reduce the seepage loss of water

- (1) Organic manure
- (2) Inorganic fertilizer
- (3) Biofertilizer
- (4) Commercial fertilizer

Options :

5531727425. 1

5531727426. 2

5531727427. 3

5531727428. 4

Question Number : 78 Question Id : 5531721872 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

At a very high salinity (250 ppt), the Artemia is found as

- (1) Young ones
- (2) Eggs
- (3) Cysts
- (4) Not found

**Options :**

5531727429. 1

5531727430. 2

5531727431. 3

5531727432. 4

**Question Number : 79 Question Id : 5531721873 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is smaller in size and is suitable as an early larval feed?

- (1) Daphnia
- (2) Copepods
- (3) Ostracods
- (4) Rotifers

**Options :**

5531727433. 1

5531727434. 2

5531727435. 3

5531727436. 4

**Question Number : 80 Question Id : 5531721874 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Gold fish is a

- (1) Liver bearer
- (2) Egg layer
- (3) Mouth brooder
- (4) Nest builder

**Options :**

5531727437. 1

5531727438. 2

5531727439. 3

5531727440. 4

**Question Number : 81 Question Id : 5531721875 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The group of fish tolerant of wider temperature variation is

- (1) Eurytherms
- (2) Stenotherms
- (3) Homeotherms
- (4) Haliotherms

Options :

5531727441. 1

5531727442. 2

5531727443. 3

5531727444. 4

Question Number : 82 Question Id : 5531721876 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Green mussels attach themselves to the rocky substrates by means of

- (1) Peduncle
- (2) Byssus threads
- (3) Foot
- (4) Byssus glands

Options :

5531727445. 1

5531727446. 2

5531727447. 3

5531727448. 4

Question Number : 83 Question Id : 5531721877 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An example of toxic green algae is

- (1) Macrocyctis
- (2) Microcystis
- (3) Spirulina
- (4) Oscillatoria

Options :

5531727449. 1

5531727450. 2

5531727451. 3

5531727452. 4

Question Number : 84 Question Id : 5531721878 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Trichodesmium causes the phenomenon called

- (1) Red tide
- (2) Blue tide
- (3) Brown tide
- (4) Green tide

**Options :**

5531727453. 1

5531727454. 2

5531727455. 3

5531727456. 4

**Question Number : 85 Question Id : 5531721879 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Winkler's method is used to measure

- (1) Dissolved minerals
- (2) Dissolved oxygen
- (3) Dissolved organic matter
- (4) Dissolved ammonia

**Options :**

5531727457. 1

5531727458. 2

5531727459. 3

5531727460. 4

**Question Number : 86 Question Id : 5531721880 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The father of 'Limnology' is

- (1) J.R. Lorenz
- (2) F. Simony
- (3) V. Hensen
- (4) F.A. Forel

**Options :**

5531727461. 1

5531727462. 2

5531727463. 3

5531727464. 4

**Question Number : 87 Question Id : 5531721881 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The well mixed and lighted zone of the lake is termed as

- (1) Aphotic zone
- (2) Euphotic zone
- (3) Littoral zone
- (4) Sub-littoral zone

**Options :**

5531727465. 1

5531727466. 2

5531727467. 3

5531727468. 4

**Question Number : 88 Question Id : 5531721882 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Communities which are responsive to environmental changes and are excellent biological indicators of eutrophication is

- (1) Pleuston
- (2) Diatoms
- (3) Aufwuchs
- (4) Neuston

**Options :**

5531727469. 1

5531727470. 2

5531727471. 3

5531727472. 4

**Question Number : 89 Question Id : 5531721883 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is a component in the anti-fouling paints?

- (1) Magnesium
- (2) Manganese
- (3) Mercury
- (4) Iron

**Options :**

5531727473. 1

5531727474. 2

5531727475. 3

5531727476. 4

**Question Number : 90 Question Id : 5531721884 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The aquatic water bodies which are low in nutrients with low organic production are grouped under

- (1) Mesotrophic
- (2) Eutrophic
- (3) Oligotrophic
- (4) Monotrophic

**Options :**

5531727477. 1

5531727478. 2

5531727479. 3

5531727480. 4

**Question Number : 91 Question Id : 5531721885 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The planktonic organisms measuring more than 1 cm in length or diameter

- (1) Nano plankton
- (2) Mero plankton
- (3) Mega plankton
- (4) Meso plankton

**Options :**

5531727481. 1

5531727482. 2

5531727483. 3

5531727484. 4

**Question Number : 92 Question Id : 5531721886 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The upper warmer water of a stratified lake is termed as

- (1) Hypolimnion
- (2) Epilimnion
- (3) Metalimnion
- (4) Myxolimnion

**Options :**

5531727485. 1

5531727486. 2

5531727487. 3

5531727488. 4

**Question Number : 93 Question Id : 5531721887 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The Itai-itai disorder is associated with

- (1) Hg
- (2) Zn
- (3) Cd
- (4) Pb

Options :

5531727489. 1

5531727490. 2

5531727491. 3

5531727492. 4

Question Number : 94 Question Id : 5531721888 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

BOD is a measure of

- (1) Oil pollution
- (2) Inorganic pollution
- (3) Organic pollution
- (4) Physical pollution

Options :

5531727493. 1

5531727494. 2

5531727495. 3

5531727496. 4

Question Number : 95 Question Id : 5531721889 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of oxidation of nitrite to nitrate by nitrifying organism/bacteria is called

- (1) Ammonification
- (2) Nitrification
- (3) Carbonification
- (4) Nitrogen fixation

Options :

5531727497. 1

5531727498. 2

5531727499. 3

5531727500. 4

Question Number : 96 Question Id : 5531721890 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



The nutrient element necessary for skeletal material in Diatoms is

- (1) Sulphur
- (2) Carbon
- (3) Nitrogen
- (4) Silicon

**Options :**

5531727501. 1

5531727502. 2

5531727503. 3

5531727504. 4

**Question Number : 97 Question Id : 5531721891 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The device/instrument used by oceanographers to collect water samples from deep waters is

- (1) BOD bottles
- (2) Nansen bottle
- (3) Secchi disc
- (4) Drift bottle

**Options :**

5531727505. 1

5531727506. 2

5531727507. 3

5531727508. 4

**Question Number : 98 Question Id : 5531721892 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The first Indian marine park was established at

- (1) Tuticorin
- (2) Sundarbans
- (3) Jamnagar
- (4) Cochin

**Options :**

5531727509. 1

5531727510. 2

5531727511. 3

5531727512. 4

**Question Number : 99 Question Id : 5531721893 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

JAYANTI ROHU variety has been developed by

- (1) NBFGR
- (2) CIFA
- (3) CICFRI
- (4) CIFE

**Options :**

5531727513. 1

5531727514. 2

5531727515. 3

5531727516. 4

**Question Number : 100 Question Id : 5531721894 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Brackish water planktons are called

- (1) Phytoplanktons
- (2) Heleoplanktons
- (3) Halioplanktons
- (4) Hypalmyroplanktons

**Options :**

5531727517. 1

5531727518. 2

5531727519. 3

5531727520. 4

**Question Number : 101 Question Id : 5531721895 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The pollution control boards in India are

- (1) Non-governmental organizations
- (2) Co-operative societies
- (3) Statutory bodies
- (4) Private organizations

**Options :**

5531727521. 1

5531727522. 2

5531727523. 3

5531727524. 4

**Question Number : 102 Question Id : 5531721896 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The indicator of faecal contamination

- (1) *Escherichia coli*
- (2) *Salmonella typhi*
- (3) *Vibrio harveyi*
- (4) *Aeromonas hydrophila*

**Options :**

5531727525. 1

5531727526. 2

5531727527. 3

5531727528. 4

**Question Number : 103 Question Id : 5531721897 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The organism that depends on pre-formed organic carbon as glucose for their growth are called

- (1) Autotrophic
- (2) Chemotrophic
- (3) Organotrophic
- (4) Heterotrophic

**Options :**

5531727529. 1

5531727530. 2

5531727531. 3

5531727532. 4

**Question Number : 104 Question Id : 5531721898 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The zone between normal high tide and low tide mark is called

- (1) Offshore
- (2) Deepshore
- (3) Foreshore
- (4) Nearshore

**Options :**

5531727533. 1

5531727534. 2

5531727535. 3

5531727536. 4

**Question Number : 105 Question Id : 5531721899 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The lake planktons are called as

- (1) Rheoplankton
- (2) Halioplankton
- (3) Limnoplankton
- (4) Pleuroplankton

Options :

5531727537. 1

5531727538. 2

5531727539. 3

5531727540. 4

Question Number : 106 Question Id : 5531721900 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The large free-swimming organisms are called as

- (1) Benthos
- (2) Neuston
- (3) Plankton
- (4) Nekton

Options :

5531727541. 1

5531727542. 2

5531727543. 3

5531727544. 4

Question Number : 107 Question Id : 5531721901 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The depth at which in a water body, the oxygen produced by photosynthesis is equal to that conserved by respiration is

- (1) Thermocline Depth
- (2) Mixed Layer Depth
- (3) Compensation Depth
- (4) Secchi Disc Depth

Options :

5531727545. 1

5531727546. 2

5531727547. 3

5531727548. 4

Question Number : 108 Question Id : 5531721902 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An instrument commonly used to measure ocean temperature is

- (1) Bathythermograph
- (2) Secchi disc
- (3) Refractometer
- (4) Salinometer

**Options :**

5531727549. 1

5531727550. 2

5531727551. 3

5531727552. 4

**Question Number : 109 Question Id : 5531721903 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The plankton which forms permanent entity of the pelagic realm are called as

- (1) Holoplankton
- (2) Mesoplankton
- (3) Nano plankton
- (4) Meroplankton

**Options :**

5531727553. 1

5531727554. 2

5531727555. 3

5531727556. 4

**Question Number : 110 Question Id : 5531721904 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The basic requirement towards biodiversity conservation is

- (1) Internet linking
- (2) Data base development
- (3) Human resource training
- (4) Demonstration and creating awareness

**Options :**

5531727557. 1

5531727558. 2

5531727559. 3

5531727560. 4

**Question Number : 111 Question Id : 5531721905 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Squid Jigging employs the principle of

- (1) Light
- (2) Colour
- (3) Smell
- (4) Electric current

Options :

5531727561. 1

5531727562. 2

5531727563. 3

5531727564. 4

Question Number : 112 Question Id : 5531721906 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most commonly used building material for construction of fishing boat in India is

- (1) Steel
- (2) Aluminum
- (3) Wood
- (4) Fibre glass

Options :

5531727565. 1

5531727566. 2

5531727567. 3

5531727568. 4

Question Number : 113 Question Id : 5531721907 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Cattamaran' is not found at the coast of

- (1) Kerala
- (2) Maharashtra
- (3) Tamil Nadu
- (4) Odisha

Options :

5531727569. 1

5531727570. 2

5531727571. 3

5531727572. 4

Question Number : 114 Question Id : 5531721908 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A trawl net in which the mouth of net is kept open with the help of a rigid structure attached to its mouth is a

- (1) Beam trawl
- (2) Otter trawl
- (3) Pair trawl
- (4) Pelagic trawl

**Options :**

5531727573. 1

5531727574. 2

5531727575. 3

5531727576. 4

**Question Number : 115 Question Id : 5531721909 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The monofilaments are usually prepared from

- (1) PVD
- (2) PVC
- (3) PA
- (4) PES

**Options :**

5531727577. 1

5531727578. 2

5531727579. 3

5531727580. 4

**Question Number : 116 Question Id : 5531721910 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Freshwater fish have better quality than marine fish after the same duration of storage because of the absence of

- 1) AMP
- 2) Higher fat content
- 3) TMAO
- 4) IMP

**Options :**

5531727581. 1

5531727582. 2

5531727583. 3

5531727584. 4

**Question Number : 117 Question Id : 5531721911 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

It takes 40 minutes to reduce the bacterial spore population of 70,000/ml to 700/ml at a specified temperature. Therefore the 'D' value of the microorganism at 121.1°C is

- (1) 13.33 minutes
- (2) 14.33 minutes
- (3) 6.0 minutes
- (4) 12.30 minutes

**Options :**

5531727585. 1

5531727586. 2

5531727587. 3

5531727588. 4

**Question Number : 118 Question Id : 5531721912 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The minimum Fo value to which the canned fish should be subjected, to make it safe from health hazard causing microorganisms is

- (1) 4.0 minutes
- (2) 2.52 minutes
- (3) 12 minutes
- (4) 6.0 minutes

**Options :**

5531727589. 1

5531727590. 2

5531727591. 3

5531727592. 4

**Question Number : 119 Question Id : 5531721913 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The Z value taken for calculating the cook value for canned fish products is

- (1) 33°C
- (2) 10°C
- (3) 33°F
- (4) 18 °F

**Options :**

5531727593. 1

5531727594. 2

5531727595. 3

5531727596. 4

**Question Number : 120 Question Id : 5531721914 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**



Correct Marks : 4 Wrong Marks : 1

The naturally occurring antioxidant is

- 1) BHA
- 2) BHT
- 3) Ethyl gallate
- 4) Vitamin E

Options :

5531727597. 1

5531727598. 2

5531727599. 3

5531727600. 4

Question Number : 121 Question Id : 5531721915 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bull trawling is done by

- (1) One boat
- (2) Two boats
- (3) Four boats
- (4) Three boats

Options :

5531727601. 1

5531727602. 2

5531727603. 3

5531727604. 4

Question Number : 122 Question Id : 5531721916 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The presence of human hair in the processed fish product  
is considered as

- (1) Chemical hazard
- (2) Physical hazard
- (3) Microbial hazard
- (4) Fungal hazard

Options :

5531727605. 1

5531727606. 2

5531727607. 3

5531727608. 4

Question Number : 123 Question Id : 5531721917 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following sets of ions are necessarily required in muscle contraction?

- (1) Na<sup>+</sup> and Ca<sup>+</sup>
- (2) Ca<sup>+</sup> and Mg<sup>2+</sup>
- (3) Na<sup>+</sup> and Mg<sup>2+</sup>
- (4) Na<sup>+</sup> and K<sup>+</sup>

Options :

5531727609. 1

5531727610. 2

5531727611. 3

5531727612. 4

Question Number : 124 Question Id : 5531721918 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

AHPND in shrimps is caused by

- (1) Virus
- (2) Bacteria
- (3) Parasite
- (4) Fungus

Options :

5531727613. 1

5531727614. 2

5531727615. 3

5531727616. 4

Question Number : 125 Question Id : 5531721919 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The maximum total fat content in Fish Protein Concentrate -Type A is

- (1) 3%
- (2) 0.75%
- (3) 11%
- (4) 8%

Options :

5531727617. 1

5531727618. 2

5531727619. 3

5531727620. 4

Question Number : 126 Question Id : 5531721920 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The protective layer of water on the frozen product is known as

- (1) Pasting
- (2) Chilling
- (3) Glazing
- (4) Water treatment

**Options :**

5531727621. 1

5531727622. 2

5531727623. 3

5531727624. 4

**Question Number : 127 Question Id : 5531721921 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is not a traditional Surimi product?

- (1) Chikuwa
- (2) Kamaboko
- (3) Sushi
- (4) Hampen

**Options :**

5531727625. 1

5531727626. 2

5531727627. 3

5531727628. 4

**Question Number : 128 Question Id : 5531721922 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Trawling of several small trawls with the help of otter boards from a single boat

- (1) Bottom
- (2) Beam
- (3) Multi- rig
- (4) Bull

**Options :**

5531727629. 1

5531727630. 2

5531727631. 3

5531727632. 4

**Question Number : 129 Question Id : 5531721923 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The unit used to measure the speed of ship and water current is

- (1) Knot
- (2) Km
- (3) Yard
- (4) Sea mile

**Options :**

5531727633. 1

5531727634. 2

5531727635. 3

5531727636. 4

**Question Number : 130 Question Id : 5531721924 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The base material used for preparing crab analogue/ imitated product is

- (1) Shrimp paste
- (2) Minced fish
- (3) Fish paste
- (4) Surimi

**Options :**

5531727637. 1

5531727638. 2

5531727639. 3

5531727640. 4

**Question Number : 131 Question Id : 5531721925 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Ionizing radiation permitted for use in food preservation is

- (1) Cosmic rays
- (2) Gamma rays
- (3) UV rays
- (4) Beta rays

**Options :**

5531727641. 1

5531727642. 2

5531727643. 3

5531727644. 4

**Question Number : 132 Question Id : 5531721926 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Fish is a poor source of

- (1) Retinol
- (2) Calciferol
- (3) Folic acid
- (4) Ascorbic acid

Options :

5531727645. 1

5531727646. 2

5531727647. 3

5531727648. 4

Question Number : 133 Question Id : 5531721927 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fish fillets should be prepared

- (1) Before onset of rigor
- (2) After resolution of rigor
- (3) As soon as the fish die
- (4) During rigor mortis

Options :

5531727649. 1

5531727650. 2

5531727651. 3

5531727652. 4

Question Number : 134 Question Id : 5531721928 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The important vitamins present in fish oil are

- (1) A and E
- (2) B and C
- (3) A and D
- (4) E and K

Options :

5531727653. 1

5531727654. 2

5531727655. 3

5531727656. 4

Question Number : 135 Question Id : 5531721929 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The point or area inside the can /pouch where the maximum heat lag occurs during thermal processing is called as

- (1) Cold spot
- (2) Hot spot
- (3) Hot blog
- (4) Head space

Options :

5531727657. 1

5531727658. 2

5531727659. 3

5531727660. 4

Question Number : 136 Question Id : 5531721930 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The type of hooks used for commercial Tuna Pole and line operation is

- (1) Barbless
- (2) Jigs
- (3) Barbed
- (4) Double hooks

Options :

5531727661. 1

5531727662. 2

5531727663. 3

5531727664. 4

Question Number : 137 Question Id : 5531721931 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

TCBS is a selective differential bacteriological medium used for isolation of which of the following organism are

- (1) *Vibrio Sp.*
- (2) *E. coli*
- (3) *Salmonella*
- (4) *Listeria Sp.*

Options :

5531727665. 1

5531727666. 2

5531727667. 3

5531727668. 4

Question Number : 138 Question Id : 5531721932 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rampani is a type of

- (1) Seine net
- (2) Falling gear
- (3) Dragged gear
- (4) Traps

**Options :**

5531727669. 1

5531727670. 2

5531727671. 3

5531727672. 4

**Question Number : 139 Question Id : 5531721933 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Whenever the ship is heeled, the position of center of buoyancy changes while the position of center of gravity

- (1) Remains same
- (2) Also changes
- (3) Moves vertically upwards
- (4) Moves vertically downwards

**Options :**

5531727673. 1

5531727674. 2

5531727675. 3

5531727676. 4

**Question Number : 140 Question Id : 5531721934 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The forward end of the vessel which is connected at the lower end of the keel of the vessel is known as

- (1) Stern
- (2) Stem
- (3) Deadwood
- (4) Horn timber

**Options :**

5531727677. 1

5531727678. 2

5531727679. 3

5531727680. 4

**Question Number : 141 Question Id : 5531721935 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The fishing method which is normally not used in reservoirs is

- (1) Gill netting
- (2) Line fishing
- (3) Trawling
- (4) Cast netting

**Options :**

5531727681. 1

5531727682. 2

5531727683. 3

5531727684. 4

**Question Number : 142 Question Id : 5531721936 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The order of spoilage process in fish post mortem is

- (1) Drop in ATP, Rigor, Autolysis, Putrefaction
- (2) Autolysis, Rigor, Putrefaction, Drop in ATP
- (3) Drop in ATP, Autolysis, Putrefaction
- (4) Rigor, Putrefaction, Drop in ATP, Autolysis

**Options :**

5531727685. 1

5531727686. 2

5531727687. 3

5531727688. 4

**Question Number : 143 Question Id : 5531721937 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following fishes has the highest moisture content?

- (1) Bombay duck
- (2) Sardine
- (3) Mackerel
- (4) Pink perch

**Options :**

5531727689. 1

5531727690. 2

5531727691. 3

5531727692. 4

**Question Number : 144 Question Id : 5531721938 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**



Histamine is derived by decarboxylation of which of the following?

- (1) Arginine
- (2) Histidine
- (3) Ornithine
- (4) Lysine

**Options :**

5531727693. 1  
5531727694. 2  
5531727695. 3  
5531727696. 4

**Question Number : 145 Question Id : 5531721939 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The non-protein nitrogen content is highest in

- (1) Teleosts
- (2) Elasmobranchs
- (3) Crustaceans
- (4) Cephalopods

**Options :**

5531727697. 1  
5531727698. 2  
5531727699. 3  
5531727700. 4

**Question Number : 146 Question Id : 5531721940 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The process of melanosis in shrimp is mainly attributed to

- (1) Tryptophanase
- (2) Phenol oxidase
- (3) Catalase
- (4) Melanocytes

**Options :**

5531727701. 1  
5531727702. 2  
5531727703. 3  
5531727704. 4

**Question Number : 147 Question Id : 5531721941 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which protein forms a connective tissue

- (1) Myosin
- (2) Troponin
- (3) Actin
- (4) Stroma

**Options :**

5531727705. 1

5531727706. 2

5531727707. 3

5531727708. 4

**Question Number : 148 Question Id : 5531721942 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is not a color additive?

- (1) Saccharin
- (2) Riboflavin
- (3) Beta-carotene
- (4) Curcumin

**Options :**

5531727709. 1

5531727710. 2

5531727711. 3

5531727712. 4

**Question Number : 149 Question Id : 5531721943 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Fish soluble is also known as

- (1) Fish meal
- (2) Fish oil
- (3) Stick water
- (4) Fish manure

**Options :**

5531727713. 1

5531727714. 2

5531727715. 3

5531727716. 4

**Question Number : 150 Question Id : 5531721944 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

An example of obligatory anerobic bacterium is

- (1) *E.Coli*
- (2) *Staphylococcus aureus*
- (3) *Salmonella*
- (4) *Clostridium botulinum*

**Options :**

5531727717. 1

5531727718. 2

5531727719. 3

5531727720. 4

**Question Number : 151 Question Id : 5531721945 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

A perfectly competitive fish market has

- (1) At least a few sellers
- (2) Only one seller
- (3) Firms that set their own price
- (4) Many buyers and sellers

**Options :**

5531727721. 1

5531727722. 2

5531727723. 3

5531727724. 4

**Question Number : 152 Question Id : 5531721946 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Fishermen must sell all of their daily catch before it spoils for whatever price offered. Once the fish are caught the fishermen's price elasticity of supply of fresh fish is

- (1) Zero
- (2) Infinite
- (3) One
- (4) Unable to be determined from this information

**Options :**

5531727725. 1

5531727726. 2

5531727727. 3

5531727728. 4

**Question Number : 153 Question Id : 5531721947 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Any patents, trademarks, copy rights, trade secrets held by the entrepreneur are known as

- (1) Intellectual property
- (2) Policy
- (3) Disclosure documents
- (4) Patent

**Options :**

5531727729. 1

5531727730. 2

5531727731. 3

5531727732. 4

**Question Number : 154 Question Id : 5531721948 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Members of the WTO are required to

- (1) Eliminate all tariffs
- (2) Allocate quotas on a first come first serve basis
- (3) Prevent their firms from dumping
- (4) Enforce patent rights for patent holders from other countries

**Options :**

5531727733. 1

5531727734. 2

5531727735. 3

5531727736. 4

**Question Number : 155 Question Id : 5531721949 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Marine protected areas and sanctuaries are declared under

- (1) Environmental Protection Act
- (2) Wild Life Protection Act
- (3) Land Acquisition Act
- (4) Indian Contracts Act

**Options :**

5531727737. 1

5531727738. 2

5531727739. 3

5531727740. 4

**Question Number : 156 Question Id : 5531721950 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

An idea and actions that explain how a firm will make its profits is referred as

- (1) Strategy
- (2) Goal
- (3) Objective
- (4) Mission

**Options :**

5531727741. 1

5531727742. 2

5531727743. 3

5531727744. 4

**Question Number : 157 Question Id : 5531721951 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The WTO was introduced in the year

- (1) 1995
- (2) 2001
- (3) 1998
- (4) 1997

**Options :**

5531727745. 1

5531727746. 2

5531727747. 3

5531727748. 4

**Question Number : 158 Question Id : 5531721952 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is one of the important functions of extension education?

- (1) Teaching
- (2) Objectives
- (3) Action
- (4) Situation

**Options :**

5531727749. 1

5531727750. 2

5531727751. 3

5531727752. 4

**Question Number : 159 Question Id : 5531721953 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

When a computer performs two or more procedures at the same time, it is

- (1) ALU
- (2) Multitasking
- (3) Co-operating
- (4) Preempting

**Options :**

5531727753. 1

5531727754. 2

5531727755. 3

5531727756. 4

**Question Number : 160 Question Id : 5531721954 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The Binary system uses the power of

- (1) 8
- (2) 2
- (3) 10
- (4) 16

**Options :**

5531727757. 1

5531727758. 2

5531727759. 3

5531727760. 4