

Examrace: Downloaded from examrace.com

For solved question bank visit doorsteptutor.com and for free video lectures visit
[Examrace YouTube Channel](#)

National Science Olympiad Model Paper 1 Questions and Answers Part 10

Get top class preparation for NSO-Level-2 right from your home: [fully solved questions with step-by-step explanation](#)- practice your way to success.

Q. 40. Statement: Escherichia coli, Shigella sp. and Salmonella sp. are all responsible for diarrheal diseases.

Reason: Dehydration is common to all types of diarrheal diseases and adequate supply of fluids and electrolytes should be ensured.

- A) Both Statement and Reason are correct, and Reason is the correct explanation for Statement.
- B) Both Statement and Reason are correct, but Reason is not the correct explanation for Statement.
- C) Statement is correct, but Reason is incorrect.
- D) Both Statement and Reason are incorrect.

Answer: B

Explanation:

Several types of bacteria can enter your body through contaminated food or water and cause diarrhea. Common bacteria that cause diarrhea include Campylobacter

Escherichia coli (E. coli) , Salmonella, and Shigella. So, Escherichia coli, Shigella sp. and Salmonella sp. are all responsible for diarrheal diseases.

Dehydration takes place when your body loses more fluid than you drink. The most common cause of water loss from the body is excessive sweating and loss of fluids.

Hence, Dehydration is common symptoms to all types of diarrheal diseases and adequate supply of fluids and electrolytes should be ensured.

So, the correct answer is ' Both Assertion and Reason are correct, but Reason is not the correct explanation for Assertion.

Q. 41. Refer to the given table and select the correct option regarding it.

Milch breeds of cattle		
Indigenous pure breed	Exotic pure breed	Hybrid breed
<i>Refer to the Given Table and Select the Correct Option Regarding It</i>		

- A) (i) Ongole, (ii) Kankrej (iii) Holstein
 B) (i) Hallikar (ii) -Jersey, (iii) -Frieswal
 C) (i) -Sahiwal, (ii) Ongole (iii) -Frieswal
 D) (i) -Karan Fries, (ii) -Ayrshire (iii) Kankrej

Answer: B

Explanation

Indigenous pure breed: Hallikar, Amritmahal, khilari, kangayam, bargur, Pulikulam, alambadi, tharparkar, hariyana, kankrej, ongole, Krishna valley, Deoni, Surti , murrh

Exotic Pure Breed: Jersey , Holstein, Brwonswiss, Red Dane, Ayrshire, Guemsey.

Hybrid: Frieswal, Sanga.

Q. 42. Which of the following is correctly matched

Answer: A

Explanation:

Aves possess dry skin, without glands except oil gland near the base of tail.

(ii) Pinnae are not found in aquatic animals and egg laying mammals.

(iii) In cyclostomes, unpaired appendages (joints) are found.

Chondrichthyes is a class that contains the cartilaginous fishes: they are jawed vertebrates with paired fins, paired nares, scales, a heart with its chambers in series, and skeletons made of cartilage rather than bone.

Cyclostomatous is a group of agnathans that comprises the living jawless fishes: the lampreys and hagfishes. Both groups have jawless mouths with horny epidermal structures that function as teeth, and branchial arches that are internally positioned instead of external as in jawed fishes.

Birds are a group of warm-blooded vertebrates constituting the class Aves, characterized by feathers, toothless beaked jaws, the laying of hard-shelled eggs.

Q. 43. Which of the following is correct pairing of fish and its feeding zone from the choices given below.

A) Rohu- Bottom Zone

B) Catla- Middle Zone

C) Common carp- Bottom Zone

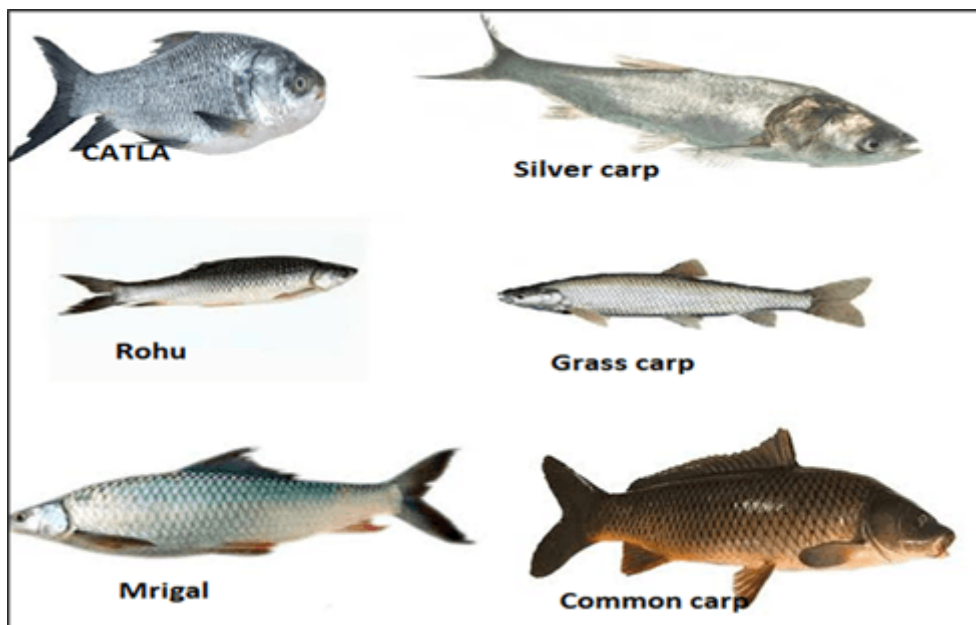
D) Mrigal- Surface Zone

Answer: C

Explanation:

Feeding Area	Fish
Feeding in the surface zone	Catla, Silver carp
Feeding in the middle zone	Rohu
Feeding in the bottom zone	Mrigal, common carp, Shellfish, Crabs, Crayfish, sea anemones, starfish, snails, bristleworms

Which of the Following is Correct Pairing of Fish and Its Feeding Zone from the Choices Given Below



©Examrace. Report ©violations @<https://tips.fbi.gov/>

Developed by: [Mindsprite Solutions](#)