

Q.1) The 'ornate narrow-mouthed frog' is found in which of the following states?

1. Tamil Nadu
2. Maharashtra
3. Andhra Pradesh

Select the correct code:

- a) 1 Only
- b) 1 and 3
- c) 2 and 3
- d) All of the above

Q.1) Solution (d)

The ornate narrow-mouthed frog is present only in Tamil Nadu, Kerala, Karnataka, Maharashtra and Andhra Pradesh. However, the International Union for the Conservation of Nature (IUCN) currently classifies the species as "Least Concern" based on the outdated information that it is widespread.

The ornate narrow-mouthed frog — thought to be widely-distributed in Asia — is seen only in peninsular India and Sri Lanka.

Source: <https://www.thehindu.com/news/national/kerala/genetic-barcodes-reveal-three-frogs-unreported-in-india/article24667101.ece>

Q.2) India's financial assistance to which of the following SAARC countries has declined since 2013?

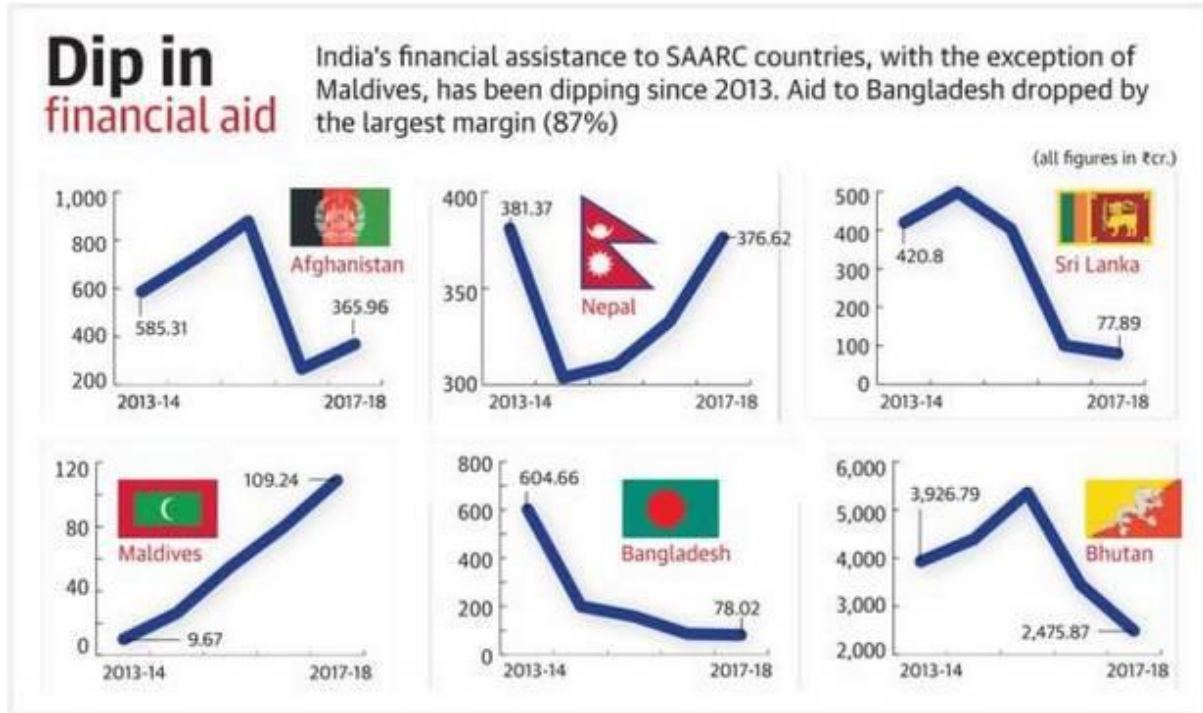
1. Maldives
2. Bangladesh
3. Bhutan

Select the correct code:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

Q.2) Solution (b)

Going by government data, assistance fell from ₹5,928.6 crore for 2013-14 to ₹3,483.6 crore for 2017-18; but Maldives has been an outlier, despite the dip in ties.



Source: <https://www.thehindu.com/news/national/tight-fisted-neighbour-indian-aid-to-saarc-nations-falls/article24667469.ece>

Q.3) Consider the following statements about 'Paraoxonase 1 (PON1)'

1. It is the primary defence in mammals against organophosphorus toxicity
2. Marine mammals is losing the ability to make PON1

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.3) Solution (c)

IASbaba's Daily Quiz

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As marine mammals evolved to make water their primary habitat, they lost the ability to make a protein that defends humans and other land-dwelling mammals from the neurotoxic effects of a popular man-made pesticide.

In humans and other terrestrial mammals, PON1 reduces cellular damage caused by unstable oxygen atoms. It also protects us from organophosphates, some of which are pesticides that kill insects—which lack PON1—by disrupting their neurological systems.

Source: <https://phys.org/news/2018-08-marine-mammals-lack-functional-gene.html>

Q.4) 'Camp Lemonnier' is

- a) US's only permanent military base in Africa
- b) China's first overseas military base
- c) India's first and only air base outside its territory
- d) India's naval base in Seychelles

Q.4) Solution (a)

Djibouti hosts the largest American permanent military base in Africa, Camp Lemonnier, which is home to more than 4,000 personnel - mostly part of the Combined Joint Task Force - Horn of Africa.

Source: https://www.business-standard.com/article/pti-stories/china-denies-laser-attack-on-us-pilots-at-djibouti-base-118050400871_1.html

Q.5) Brucellosis is

- a) a condition of not generating or breeding freely
- b) a knot formed upon or in the wood of trees by disease
- c) a chronic disease interfering with the normal functioning of the liver
- d) a disease that can cause abortions in livestock

Q.5) Solution (d)

Brucellosis is a highly contagious zoonosis caused by ingestion of unpasteurized milk or undercooked meat from infected animals, or close contact with their secretions.

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B. abortus is the principal cause of brucellosis in cattle. The bacteria are shed from an infected animal at or around the time of calving or abortion. Once exposed, the likelihood of an animal becoming infected is variable, depending on age, pregnancy status, and other intrinsic factors of the animal, as well as the number of bacteria to which the animal was exposed. The most common clinical signs of cattle infected with B. abortus are high incidences of abortions, arthritic joints, and retained placenta.

Source: <https://thechronicleindia.com/global-brucellosis-vaccines-market-to-observe-strong-development-by-2023/>

