

2. UAE shares land border with only two countries

Which of the above statements is/are correct?

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

Q.5) Solution (b)

- The United Arab Emirates is bordered by Saudi Arabia to the west and south and by Oman to the east and northeast.
- Tropic of cancer passes through Eight Asian countries they are: Myanmar, Oman, Bangladesh, UAE, Saudi Arabia, India, China, and Taiwan.

Q.6) Consider the following statements with respect to Cat Que virus(CQV):

1. CQV comes under the category of Arthropod-borne viruses
2. Culex mosquito bite can cause human to get affected by CQV

Which of the above statements is/are correct?

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

Q.6) Solution (c)

- Cat Que virus belongs to the Simbu serogroup virus of the genus Orthobunyavirus.
- It was first isolated in 2004 from mosquitoes in northern Vietnam. It has also been reported in China.
- CQV comes under the category of Arthropod-borne viruses.
- Arthropods are a group of invertebrate animals including insects, spiders etc.
- It is found in pigs and Culex mosquitoes. Birds such as the Jungle Myna may also act as a host.
- Mosquitoes of Culex species also cause Japanese Encephalitis.
- It infects both humans and livestock species.
- Humans are infected through mosquito bites.
- Other viruses that belong to the same genus as CQV and are similarly transmitted through mosquitoes include the Cache valley virus (causes meningitis), La Crosse virus (causes pediatric encephalitis), Jamestown Canyon virus (causes Jamestown Canyon encephalitis), and the Guaroa virus (causes febrile illness).

Q.7) Consider the following statements with respect to National Crime Report Bureau:

1. NCRB is under the Ministry of Home Affairs.