

Q: Consider the following statement regarding District Legal Services Authority:

1. The State Government in consultation with the Chief Justice of the High Court constitutes this body.
2. The person to be appointed shall belong to the State Judicial Service not lower than rank than that of a Subordinate Judge.
3. It is a constitutional body.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- District Legal Services Authority is a body that shall be constituted by the State Government in consultation with the Chief Justice of the High Court.
- The act provides that a District Authority requires the district judge as its chairman.
- It shall also consist of a number of other members who have the experience and qualifications as prescribed by the State Government.
- The members possessing such requirements may be nominated by the Government in consultation with the Chief Justice of the High Court.
- The person to be appointed shall belong to the State Judicial Service not lower than rank than that of a Subordinate Judge or Civil Judge posted at the seat of the District Judiciary as Secretary of the District Authority.
- The Assistant Commissioner of the concerned District acts as the Member Secretary of the District Authority.
- It is a statutory body organized at the district level to provide effective monitoring of legal aid programmes and their composition.

Q: Consider the following statement regarding Mahua Tree:

1. It is mainly cultivated or harvested for edible oil.
2. It is a frost resistant species.
3. It requires loamy or sandy-loam soils.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans:

Explanation:

- Mahua Tree is mainly cultivated or harvested in the wild in Southern Asia for its edible flowers and oil seeds.
- It is commonly known as madhūka, madkam, mahuwa, Butter Tree, mahua, mahwa, mohulo, Iluppai, Mee or vippa chettu.
- It is a frost resistant species that can grow in marginal areas of dry tropical and subtropical forests up to an altitude of 1200-1800 m.
- It can be found scattered in pastures, in crop fields in central India, and on rivers banks in semi-evergreen forests.
- It grows well where annual rainfall is between 500 mm to 1500 mm, and where temperatures are in the range of 2-46°C.
- It requires loamy or sandy-loam soils with good drainage and also occurs on shallow stony, clayey and calcareous soils.

Q: Consider the following statement regarding Norovirus:

1. It is a common and very contagious virus.

2. It is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- Norovirus is a common and very contagious virus.
- It causes nausea, vomiting and diarrhea.
- It is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.
- People of all ages can get infected and sick with norovirus, which spreads very easily and quickly.
- You can get norovirus illness many times in your life because there are many different types of noroviruses.

Q: Consider the following statement regarding Kanha Tiger Reserve:

1. It has a significant population of Royal Bengal Tiger, sloth bear and Indian wild dog.
2. The Park is respected globally for saving the Barasingha from near extinction.
3. Barasingha is the state animal of Madhya Pradesh.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: d

Explanation:

- Kanha Tiger Reserve has a significant population of Royal Bengal Tiger, leopards, the sloth bear and Indian wild dog.
- The Park is respected globally for saving the Barasingha (the state animal of Madhya Pradesh) from near extinction.

Q: Consider the following statement regarding Bitumen:

1. It is highly viscous, petroleum-based hydrocarbon.
2. It is found in deposits such as oil sands and pitch lakes.
3. It does not deform under any circumstances.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- Bitumen is a dense, highly viscous, petroleum-based hydrocarbon.
- It is found in deposits such as oil sands and pitch lakes (natural bitumen) or is obtained as a residue of the distillation of crude oil.
- At the temperatures normally encountered in natural deposits, bitumen will not flow. In order to be moved through a pipe, it must be heated and, in some cases, diluted with a lighter oil.
- Bitumen can deform permanently under heavy loads. Continued stress on the material can result in cracking.

