

1. Council of Scientific and Industrial Research (CSIR)-Centre for Cellular and Molecular Biology (CCMB) have demonstrated the role of a protein Secretagogen (SCGN) in increasing insulin action in obesity-induced diabetes.

Which of the following statements regarding the same stands true ?

1. Secretagogen is a protein that in humans is encoded by SCGN gene. The encoded protein is a secreted calcium-binding protein which is found in mitochondria.
2. The findings have established SCGN as a functional insulin-binding protein with therapeutic potential against diabetes. They show that SCGN binds to insulin and protects it from various stresses, increases its stability as well as adds to its action.
3. Diabetes and neurodegenerative disorders like dementia and Alzheimer's disease are often linked with each other.

Choose the correct option :

- | | |
|----------------|----------------------|
| (a) 1 & 2 only | (b) 2 & 3 only |
| (c) 1 & 3 only | (d) All of the above |

2. Which of the following earthquakes zones of India and their corresponding location states are correctly matched ?

1. Zone II : Western Telangana
2. Zone III : Mizoram
3. Zone IV : Uttarakhand
4. Zone V : Karnataka

Choose the correct option :

- | | |
|----------------|----------------|
| (a) 1 & 2 only | (b) 2 & 4 only |
| (c) 1 & 3 only | (d) 1 & 4 only |

3. Consider the following statements :

1. Farmers are inclined to expand the area under wheat as its prices are more stable than any other crop due to government buying.
2. Centre sets minimum support prices (MSP) for nearly two dozen crops to set a benchmark, but state agencies mainly buy rice and wheat at those prices.
3. Higher production and negligible exports could force the government to increase procurement from farmers to ensure prices stay at or above the MSP.

Which of the above statements are true ?

- | | |
|----------------|----------------------|
| (a) 1 & 2 only | (b) 2 & 3 only |
| (c) 1 & 3 only | (d) All of the above |

4. Which of the following statements regarding the UNESCO 1970 Convention on the Means of Prohibiting and Preventing the Illicit Import, Export and Transport of Ownership of Cultural Property stands true ?

1. The UNESCO 1970 Convention on the Means of Prohibiting and Preventing the Illicit Import, Export and Transport of Ownership of Cultural Property is an international treaty signed to combat the illegal trade in cultural items.
2. The Convention recommends the enforcement of the protection of cultural property in "three main pillars", each being preventive measures, restitution provisions, and international cooperation.
3. India is not a party to the convention.

Choose the correct option :

- (a) 1 & 2 only (b) 2 & 3 only
 (c) 1 & 3 only (d) All of the above
5. The country "Suriname" recently in news, is a small country on the north eastern coast of South America. It is surrounded by which of the following countries ?
1. Guyana
 2. French Guiana
 3. Ecuador
 4. Brazil
 5. Venezuela
- Choose the correct option :
- (a) 1, 2 & 3 only (b) 1, 2 & 4 only
 (c) 2, 3 & 5 only (d) 2, 4 & 5 only
6. The government has launched a drive to enroll one crore beneficiaries under the Pradhan Mantri Shram Yogi Maandhan (PM-SYM) and the National Pension Scheme for Traders and Self Employed Persons (NPS-Traders) by March next year. Which of the following statements regarding the same stands true ?
1. Pradhan Mantri Shram Yogi Maandhan (PM-SYM) scheme is meant for old age protection and social security only for Unorganised Workers (UW).
 2. The Unorganised Worker will be required to visit the nearest Common Services Centre (CSC) and get enrolled for PM-SYM using Aadhaar Card and Savings bank/Jan-Dhan account number on self-certification basis.
 3. National Pension Scheme for Traders and Self-Employed Persons (NPS-Traders) 2019 is meant for those engaged in organized Sector while dependents having a self-employment.
- Choose the correct option :
- (a) 1 & 2 only (b) 2 & 3 only
 (c) 1 & 3 only (d) All of the above
7. Which of the following pairs of Indian freedom fighters and the books written by them are correctly matched ?
1. Sarojinidai : The Golden Threshold
 2. Aurobindo : Love and Death
 3. Rabindranath Tagore : The Indian struggle
 4. Mahatma Gandhi : Hindu Swaraj
- Choose the correct option :
- (a) 1 & 2 only (b) 2 & 3 only
 (c) 1 & 3 only (d) 2 & 4 only
8. Environment Minister has called for increasing the forest cover in the country with an efficient use of Compensatory Afforestation Fund Management and Planning Authority.
- Which of the following statements regarding the CAMPA stands true ?
1. The main purpose of CAMPA is to compensate the loss of forest area due to non-forest activities like mining, infrastructure development etc and to maintain the ecological balance and sustainability.
 2. As per the CAMPA act there must be proper study of vegetation of a region and a proper environment impact assessment ought to be carried out before afforestation.

3. According to CAMPA act, the land selected for afforestation should preferable be contiguous to the forest being destroyed so that it is easier for the forest officials to manage it.

Choose the correct option :

- (a) 1 & 2 only (b) 2 & 3 only
 (c) 1 & 3 only (d) All of the above

9. Consider the following statements :

1. India is considered to be one of the top users of antibiotics and there is a growing problem of antimicrobial resistance.
2. Antibiotic prescription rate high in the government sector than the private sector in India.
3. Though clinical guidelines on judicious antibiotic use explicitly mentions that they should not be prescribed for common cold, non-specific upper respiratory tract infection (URI), acute cough illness and acute bronchitis, study shows a high rate of prescriptions for respiratory infections in primary care.

Which of the above statements are true ?

- (a) 1 & 2 only (b) 2 & 3 only
 (c) 1 & 3 only (d) All of the above

10. Recently which one of the following countries has become the first country to make the entire process for pilgrims going on Haj completely digital ?

- (a) Pakistan (b) India
 (c) Saudi Arabia (d) Iran

11. Consider the following statements :

1. NuGen Mobility Summit-2019 is the first in a series of the conference organized by International Center of Automotive Technology (ICAT), Manesar
2. ICAT, Manesar is a division of NATRIP Implementation Society (NATIS) under the Ministry of Commerce & Industries.

Choose the correct option :

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

12. Consider the following statements :

1. Article 280 of the Constitution states that the President shall constitute a Finance Commission at the expiration of every fifth year.
2. Finance Commission is a quasi-judicial body and its recommendations are not binding on the government

Choose the correct option:

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

13. Researchers have discovered a new species of burrowing creature named 'Trachischium apteii' in Arunachal Pradesh. It is a

- (a) Toad (b) Reptile
 (c) Migratory bird (d) Mammal

14. Consider the following statements :

1. Bio-gas is produced naturally through a process of aerobic decomposition from waste / bio-mass sources like agriculture residue, cattle dung, sugarcane press mud etc.

2. Compressed Bio-Gas is exactly similar to the commercially available natural gas in its composition and energy potential
 Choose the correct option :
 (a) Only 1 (b) Only 2
 (c) Both 1 and 2 (d) None of the above
15. Which of the following invites applications for First Ever National Startup Awards 2020
 (a) NITI Aayog (b) DIPP
 (c) DPIIT (d) CII
16. Consider the following statements :
 1. IHMCL and NPCI are implementing FASTag program.
 2. FASTag is a device that employs Bar code & QR technology for making toll payments directly from the prepaid account linked to it.
 Choose the correct option :
 (a) Only 1 (b) Only 2
 (c) Both 1 and 2 (d) None of the above
17. Consider the following statements :
 1. In terms of quarterly growth, India has lost to China the tag of the fastest growing economy in the world.
 2. As per the data released by the NSO, India's Gross Domestic Product (GDP) growth slipped to a 26-quarter low of 4.5% in the second quarter
 Choose the correct option :
 (a) Only 1 (b) Only 2
 (c) Both (d) None
18. Where are iron-ore mines located?
 (a) Jaduguda, Singhbhum, Kundremukh, Tharia
 (b) Singhbhum, Bastar, Mayurbhanj, Keonjhar
 (c) Nevelly, Bastar, Tharia, Khetri
 (d) Bhadravati, Barauni, Nevelly, Singhbhum
19. Which one of the following is considered as non-debt creating foreign investment inflow?
 (a) External assistance
 (b) Foreign direct investment
 (c) Borrowing from the IMF
 (d) Commercial borrowings
20. Duncan Passage is situated between:
 (a) Minicoy and Amindivi
 (b) Minicoy and Maldives
 (c) Little Andaman and Car Nicobar
 (d) South Andaman and Little Andaman

ANSWER KEYS

01 b 02 c 03 d 04 a 05 b 06 a 07 a 08 c 09 c 10 b
 11 a 12 c 13 b 14 b 15 c 16 a 17 c 18 b 19 b 20 d