

Q.1) Consider the following statements with regard to food fortification

1. It is addition of key vitamins and minerals such Iron, Zinc and Vitamins to non-staple foods to improve their nutritional value.
2. It can to a large extent help address the problem of under nutrition in India.

Which of the statements given above is / are incorrect?

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

Q.2) The Proposed India based Neutrino Observatory is to be constructed within 5 km radius of which of the following National parks?

- a) Periyar national park
- b) Eravikulam national park
- c) Silent valley national park
- d) Shola national park

Q.3) Consider the following statements

1. Neutrinos are tiny elementary particles found to exist in nature with very tiny mass and no charge.
2. Presently, Neutrino observatories are found to exist both underground and underwater.
3. The Observatory would be jointly built by Department atomic energy and science and technology in India.

Which of the statements given above is / are correct?

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

Q.4) The term 'Human Micro biomes' recently reported in news is related to

- a) Region having maximum biodiversity of flora and fauna within a particular biome
- b) Ecosystem having maximum biodiversity of microorganisms
- c) Colonies of microorganisms living in a lake ecosystem which help to purify the water.
- d) None of the above

Q.5) Earth-biogenome project recently reported in news is related to

- a) Preparing a blue print of the sequence of genes that make up humans
- b) Sequencing genome of every plant and animal known on earth.
- c) Genetically modifying plants to improve their nutritional value
- d) Cross pollination of plants to produce high yielding variety

Q.6) Consider the following statements with regard to Polio Virus

1. It mainly gets transmitted from person to person through faecal-oral route.
2. Both Oral Polio vaccine (OPV) and Inactivated Polio Vaccine can be used to prevent children from polio attack.
3. India has recently shifted from Bivalent OPV to Trivalent OPV as per the recommendations of World Health Organization

Which of the statements given above is/ are correct?

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

Q.7) 'Directly observed treatment, short course' (DOTS) is related to treatment of which of the following diseases in India?

- a) Nipah Virus
- b) Tuberculosis
- c) HIV-AIDS
- d) Swine – flu

Q.8) Consider the following statements with regard to Compulsory licensing

1. It can be granted by the Govt. of India to a non-patent holder to produce generic medicines under certain circumstances.
2. It is provided under sec. 3 (d) of Indian patents act 1970
3. It has never been granted so far by the govt. of India to a non-patent holder.

Which of the statements given above is / are incorrect?

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

Q.9) Which of the following Indian launch vehicle for the first time used to launch satellites in three orbits?

- a) PSLV – C44
- b) PSLV – C45
- c) PSLV – C37
- d) PSLV – C43

Q.10) Hippocamp recently reported in news is a

- a) Tiny moon found in the planet mercury
- b) Tiny rocky substance found the kuiper belt
- c) Tiny moon found in planet Neptune
- d) None of the above

Q.11) Which of the following is / are correctly matched?

1. Param Shivay – National Supercomputing Mission
2. Mihir - Indian Institute of Tropical Meteorology
3. Pratyush – National center for medium range weather forecasting

Choose the correct options from the code given below?

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

Q.12) Consider the following

1. Sodium Chloride
2. Potassium Chloride
3. Silver Iodide

- a) H1N1
- b) H1N5
- c) H5N1
- d) All of the above

Which of the following chemical substance can be used during the process of cloud seeding?

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

Q.13) Maneuvering Characteristics Augmentation System (MCAS) recently seen in news is a technology related to

- a) recovery of space capsule needed to launch manned space mission by India
- b) inbuilt system in Prahaar missile recently tested by DRDO which increases its accuracy
- c) exo – atmospheric air defence system which is developed by DRDO
- d) automated anti-stall system installed in boeing 737 max

Q.14) CH – 47 chinook is a

- a) Heavy-lift multi mission capable helicopter
- b) Light – lift multi mission capable helicopter
- c) Short – range guided missile developed by DRDO
- d) None of the above

Q.15) Which of the following virus causes bird flu