

1. The Indian government has said it intends to use hydrogen-based fuel technology to help combat pollution, as Delhi was once again enveloped in “severe emergency” levels of smog. Which of the following statements regarding the same stands true ?
1. Hydrogen fuel is a zero-emission fuel burned with oxygen. It can be used in fuel cells or internal combustion engines.
 2. Hydrogen fuel, which produces only water as a by product, is increasingly used in China, Japan and Germany as a clean energy alternative in public transport, and was pivotal in helping Japan tackle its pollution crisis.
 3. However conventional hydrogen production using natural gas induces significant environmental impacts; as with the use of any hydrocarbon, carbon dioxide is emitted.

Choose the correct option :

- (a) 1 & 2 only
 - (b) 2 & 3 only
 - (c) 1 & 3 only
 - (d) All the above
2. CPI (Consumer Price Index) is widely used as an economic indicator. It is the most widely used measure of inflation and, by proxy, of the effectiveness of the government’s economic policy. The CPI statistics cover which of the following categories of population ?

1. Farm families
2. Self-employed
3. Armed forces
4. Unemployed
5. Retired people

Choose the correct option :

- (a) 1, 2 & 3 only
 - (b) 2, 4 & 5 only
 - (c) 1, 3 & 5 only
 - (d) All the above
3. CSIR-Institute of Microbial Technology (IMTECH), Chandigarh signed a Memorandum of Understanding (MoU) here today with Indian Institute of Technology (IIT) Bombay to promote collaborative research. Which of the following statements regarding the same stands true ?
1. CSIR-IMTECH is a national centre for excellence in microbial sciences and was established in 1984. IMTECH’s vision is to discover and develop translational products and new drugs to address key unmet societal and medical needs.
 2. The objective of this collaboration is to carry out state of the art research in areas of healthcare especially in projects and mission where both the institutes can significantly complement each other.
 3. This MoU is in line with the circular issued by MHRD in 2018 paving way for all IITs to sign MoUs with National Research Laboratories affiliated to CSIR to start new collaborations and to deepen, broaden interactions where such collaborations already exist.

Choose the correct option:

- (a) 1 & 2 only
- (b) 2 & 3 only
- (c) 1 & 3 only

- (d) All the above
4. Which of the following statements regarding the status of FPO's (Farmer Producer Organisation) stands true ?
1. India provides \$200 billion agriculture credit every year to small and marginal farmers. This will be enhanced once the formation 10,000 FPOs, as announced in this year's Budget, will be functional.
 2. FPOs started taking shape in the country in the early 1970's, where 80-90 per cent of the members are farmers with large landholding.
 3. A congenial ecosystem is a must for development of producer organizations because they have to deal with the most vulnerable part of agri-value chain, which starts from the farm and goes on till processing and the far-away markets.
- Choose the correct option :
- (a) 1 & 2 only (b) 2 & 3 only
(c) 1 & 3 only (d) All the above
5. Joint Field Training exercise (FTX)-2019 "Exercise Dustlik-2019" took place recently between India and which of the following countries ?
- (a) Russia (b) Uzbekistan
(c) Kazakhstan (d) Bangladesh
6. Consider the following statements.
1. Iodine is a vital micro-nutrient for optimal mental and physical development of human beings.
 2. Rajasthan produces maximum amount of salt in the country followed by Gujarat.
 3. Deficiency of iodine can result in hypothyroidism, abortion, still births, mental retardation and psychomotor defects.
- Which of the above statements is/are correct?
- (a) 1, 2 (b) 2, 3
(c) 1, 3 (d) 1, 2, 3
7. Consider the following statements regarding Food Safety Mitra (FSM).
1. In a bid to improve the ease of doing business, Food Safety and Standards Authority of India (FSSAI) launched the scheme Food Safety Mitra (FSM).
 2. The scheme will support large scale food businesses in compliance to the food safety laws.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) None of the above
8. Consider the following statements regarding United Nations Peacekeeping.
1. United Nations Peacekeeping helps countries torn by conflict create conditions for lasting peace.
 2. Its first mission involved the establishment of the UN Truce Supervision Organization (UNTSO), which served to observe and maintain ceasefire during the 1948 Arab-Israeli War.
 3. UN Peacekeeping is guided by the principle of complete Non-use of force.
- Which of the above statements is/are correct?
- (a) 1, 3 (b) 2, 3
(c) 1, 2 (d) 1, 2, 3
9. Consider the following statements regarding India Innovation Index (III) 2019.
1. NITI Aayog with Institute for Competitiveness as the knowledge partner released the India Innovation Index (III) 2019.

