

1. Consider the following statements regarding Astra missile:
  1. Astra has a range of more than 100 km.
  2. Astra is a Beyond Visual Range Air-to-Air Missile.Which of the statements given above is/are NOT CORRECT?
  - a) 1 only
  - b) 2 only
  - c) Both 1 and 2
  - d) Neither 1 nor 2**
2. Consider the following statements regarding Pinaka Missile System:
  1. Pinaka missile system was developed by Hindustan Aeronautics Limited (HAL).
  2. The Pinaka MK-II Rocket is modified as a missile by integrating with the Navigation which is aided by GPS.Which of the statements given above is/are correct?
  - a) 1 only
  - b) 2 only
  - c) Both 1 and 2
  - d) Neither 1 nor 2**
3. Which of the following Country participated in joint military training exercise Shakti-2019 with India:
  - a) Nepal
  - b) France**
  - c) Germany
  - d) America
4. Consider the following statements:
  1. INS Vela is the first Frigate of Class of P17A Frigates.
  2. INS Khanderi is the second submarine of Scorpene class (Project 75).Which of the statements given above is/are NOT CORRECT?
  - a) 1 only**
  - b) 2 only
  - c) Both 1 and 2
  - d) Neither 1 nor 2
5. Consider the following statements:
  1. GISAT-1 is the first state-of-the-art agile Earth observation satellite which will be placed in a Geosynchronous Transfer Orbit by GSLV-F10.
  2. GISAT-1 will facilitate near real time observation of the Indian sub-continent, under cloud free condition, at frequent intervals.Which of the statements given above is/are correct?
  - a) 1 only
  - b) 2 only
  - c) Both 1 and 2**
  - d) Neither 1 nor 2
6. Chemical weapons are classified as weapons of mass destruction (WMD). One of the very famous WMD is Sarin, used as a chemical weapon due to its extreme potency as a nerve agent. It contains
  - a) Sulphur, Fluorine and Oxygen
  - b) Nitrogen, Sulphur and Oxygen
  - c) Phosphorous, Sulphur and Oxygen
  - d) Phosphorous, Fluorine and Oxygen**
7. With reference to The Chief of Defence Staff (CDS), Consider the following statements:
  1. CDS will be the Permanent Chairman of the Chiefs of Staff Committee.
  2. CDS will act as the Principal Military Adviser to Minister for Defence on all tri-Services matters.
  3. The Chief of Defence Staff will also head the Department of Military Affairs (DMA).Which of the statements given above is/are correct?
  - a) 1 only
  - b) 1 and 2 only
  - c) 2 and 3 only
  - d) 1, 2 and 3**
8. Consider the following statements about The Indian Nuclear Power Programme.
  1. In the first stage of the programme, natural uranium fueled pressurized heavy water reactors (PHWR) produce electricity while generating plutonium-239 as by-product.
  2. The Stage II Fast Breeder Reactors are designed to “breed” more fuel than they consume.

3. The Stage III reactor or an Advanced nuclear power system involves a self-sustaining series of thorium-232-uranium-233 fueled reactors.  
Which of the above statements is/are correct?  
a) 1 and 2 only  
b) 2 and 3 only  
c) 3 only  
**d) 1, 2 and 3**
9. Which of the following statements is/are correct about 'Anti Tank NAG' Missile?  
1. It has been indigenously developed under the Integrated Guided Missile Development Programme (IGMDP)  
2. It is a fire and forget missile.  
3. It can be launched from land, water and air based platforms.  
Select the correct answer using the code given below:  
**a) 1 and 2 only**  
b) 2 and 3 only  
c) 1 only  
d) 1, 2 and 3
10. Which of the following statements are correct regarding Parker Solar Probe?  
1. Parker Solar Probe uses Mercury's gravity to gradually bring its orbit closer to Sun.  
2. Parker Solar Probe is a joint mission of NASA, European Space Agency and ROSCOSMOS .  
Select the correct answer using the code given below:  
a) 1 only  
b) 2 only  
c) Both 1 and 2  
**d) Neither 1 nor 2**
11. With reference to Luhri Stage-I Hydro Electric Project, consider the following statements:  
1. It is being constructed on the Ravi river.  
2. It is being implemented on a Build-Own-Operate-Maintain basis.  
Which of the statements given above is/are correct?  
a) 1 only  
**b) 2 only**  
c) Both 1 and 2  
d) Neither 1 nor 2
12. With reference to Pinaka Mark (Mk) -1 Missile, consider the following statements:  
1. The missile was first used successfully in the Indo-Pak war of 1971.  
2. The enhanced version of Pinaka Mk-1 has been designed recently by the Armament Research and Development Establishment (ARDE), Pune.  
Which of the statements given above is/are not correct?  
**a) 1 only**  
b) 2 only  
c) Both 1 and 2  
d) Neither 1 nor 2
13. Saffir-Simpson Scale remains in the news. It is used to measure?  
a) Amplitude of Tsunami waves  
**b) Wind speed of Hurricanes**  
c) Intensity of Earthquake in Polar region  
d) Solar intensity for establishing solar PV cells
14. With reference to Leishmaniasis, consider the following statements:  
1. It is transmitted through the bite of sand flies.  
2. Kala Azar is one of its types prevalent in India.  
Which of the statements given above is/are correct?  
a) 1 only  
b) 2 only  
**c) Both 1 and 2**  
d) Neither 1 nor 2
15. With reference to Tele-Law, consider the following statements:  
1. It is launched by the Ministry of Law and Justice.

2. It is a service that uses ICT for access to courts.
3. It seeks to further implement Article 39 A of Indian Constitution.

Which of the statements given above is/are correct?

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

16. Consider the following statements:

1. The British Antarctic Survey (BAS) and the US National Ice Center (USNIC) names and tracks the Antarctic Icebergs.
2. The Antarctic Circumpolar Current (ACC) in the Southern Ocean is the only Ocean current that flows completely around the globe.

Which of the given statements is/are correct?

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

17. Consider the following statements about the Inner Line Permit (ILP):

1. The ILP is an official travel document implemented by the Government of India in 1950.
2. The ILP was applicable to Mizoram, Arunachal Pradesh, Manipur and Nagaland only.

Which of the given statements is/ are not correct?

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

18. Which of the following statements are correct regarding the Social Endeavour for Health and Telemedicine (SEHAT) scheme?

1. It will cover only the district's under the aspirational district programme.
2. This scheme provides free of cost insurance cover.
3. The scheme would work in convergence with Pradhan Mantri Jan Arogya Yojana.

Select the correct answer using the code given below:

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

19. 'Nanomicelle' was recently in the news, it is a-

- a) **Effective drug delivery method to treat cancer.**
- b) Method to turn saline water into fresh water.
- c) Method to increase soil fertility.
- d) An organism that recently became extinct.

20. The 'Main Bhi Digital Drive' has been in the news. It is being launched by which of the following ministries?

- a) Ministry of Electronics and Information Technology
- b) **Ministry of Housing and Urban Affairs**
- c) Ministry of Youth Affairs and Sports
- d) Ministry of Education

21. Consider the following statements regarding Madan Mohan Malaviya:

1. He was given the title of Karmayogi by Mahatma Gandhi.
2. He served as a member of the Imperial Legislative Council.
3. He played an important role in ending the Indian indenture system.

Which of the statements given above is/are correct?

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

22. Consider the following statements:

1. Chlorophyll is found in plants and algae only.

2. Protochlorophyllide is the intermediate in the synthesis of chlorophyll.
3. Excess of protochlorophyllide in plants leads to photobleaching.

Which of the statements given above is/are correct?

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

23. With reference Direct-To-Home (DTH) and Over the top (OTT), consider the following statements:

1. DTH is a satellite service that provides Television viewing service while OTT requires internet connection.
2. DTH signals are analog while OTT has digital signals carriers.

Which of the statements given above is/are correct?

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

24. Which of the following statements is/are correct regarding Atal Bihari Vajpayee?

1. He participated in the Quit India Movement.
2. He has been conferred the second-highest civilian honour, the Padma Vibhushan.

Select the correct answer using the code given below:

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

25. Consider the following statements:

1. It is a Central Sector Scheme.
2. It is implemented by the Ministry of Agriculture and Farmers Welfare.
3. Rs. 6,000 per year are given to the farmers through direct benefit transfers.

The above statements most appropriately explains which of the following schemes?

- a) **PM KISAN**
- b) PM KUSUM
- c) PM SUMAN
- d) None of the Above

**VANIK-IAS wishing all of you a successful and prosperous Happy New Year 2021**