- 1. It consists of a network of stratospheric balloons designed to bring Internet connectivity to rural and remote communities worldwide.
- 2. It is a project under NASA.

Which of the above statements is/are correct?

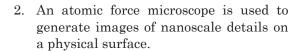
- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **19.** Which of the following statements is/are *incorrect*?
 - 1. The National Internet Exchange of India (NIXI) is a non-profit organization which has been working for spreading internet technology to the citizens of India.
 - 2. Recently, the NIXI has announced that it will offer a free IDN (Internationalized Domain Name) in any of their preferred 22 official Indian languages along with every IN domain

Select the correct option using the codes given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **20.** With reference to the immersive technologies, consider the following statements:
 - 1. Virtual reality immerses users in a fully artificial digital environment.
 - 2. In Augmented Reality, physical and digital objects co-exist and interact in real time.

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **21.** Consider the following statements with reference to Nanotechnology:
 - 1. It involves science and engineering of objects in the range of only 1 to 10 nanometer.



Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **22.** Which of the following are the application of Nanotechnology in food processing sector?
 - 1. Contamination Sensor
 - 2. Antimicrobial Packaging
 - 3. Green Packaging
 - 4. Tracing Brand Protection

Select the correct answer using the code given below:

- (a) 1, 2 and 4 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2, 3 and 4
- **23.** Which one of the following statements is *incorrect* with reference to Nano Mission in India?
 - (a) It is a capacity-building program for the development of Nanotechnology in India.
 - (b) It involves funding of basic research by individual scientists.
 - (c) It involves facility development for technologies like Optical Tweezers, Atomic Force Microscope (AFM).
 - (d) None of the above.
- **24.** Bandicoot Robot is built by:
 - (a) HSC, Banglore
 - (b) Kerala based startup Gen Robotics
 - (c) New Delhi Municipal Corporation
 - (d) IIT Kanpur
- **25.** Consider the following statements with reference to Buckyball:
 - 1. They are composed of carbon atoms linked to three other carbon atoms by covalent bonds.

