



**zMCQs:**

**1. Which of the following statement/s is/are true?**

1. The Vinaya Pitaka is the first of the three divisions of the Tripitaka (Triple Basket) of Theravada Buddhism.
2. The primary subject matter in Vinaya Pitaka is the monastic rules of conduct for monks and nuns of the Sangha.

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

Ans: c

**Explanation:**

- The Vinaya Pitaka is the first of the three divisions of the Tripitaka (Triple Basket), the definitive canonical collection of scripture of Theravada Buddhism.
- The other two parts of the Tripitaka are the Sutta Pitaka and the Abhidhamma Pitaka.
- The primary subject matter in Vinaya Pitaka is the monastic rules of conduct for monks and nuns of the Sangha.

**2. Saccharin, aspartame, acesulfame potassium, sucralose, Neotame and Advantame are commonly used?**

- (a) Preservatives  
(b) Insecticides  
(c) Artificial sweeteners  
(d) Antibiotics

Ans: c

**Explanation:**

- Some examples of artificial sweeteners are saccharin, aspartame, acesulfame potassium, sucralose, Neotame and Advantame.



**3. ExoMars Trace Gas Orbiter (TGO) is a joint mission by?**

- (a) ISRO and NASA
- (b) ISRO and ROSCOSMOS
- (c) ESA and ROSCOSMOS
- (d) NASA and ESA

Ans: c

**Explanation:**

- ExoMars Trace Gas Orbiter (TGO) is the 1st in a series of Mars missions to be undertaken jointly by the two space agencies, ESA and Roscosmos, the Russian space agency.
- It is designed to search for trace gases in the Martian atmosphere such as methane, water vapor, nitrogen oxides and acetylene.

**4. Which of the following statement/s are true?**

1. Solar modules convert the light energy captured from the sun into electric energy as Direct Current.
2. Direct current (DC) is then converted into alternating current (AC) through an inverter for different use applications.

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

Ans: c

**Explanation:**

- Solar modules convert the light energy captured from the sun into electric energy (Direct Current).



- This direct current (DC) is then converted into alternating current (AC) through an inverter for different use applications.

**5. PARAM Siddhi, Pratyush and Mihir are the names of?**

- (a) Super computers
- (b) Atomic reactors
- (c) Submarines
- (d) Missiles

Ans: a

**Explanation:**

- PARAM Siddhi-AI supercomputer ranked at No. 131: This supercomputer too is installed at Center for Development of Advanced Computing (C-DAC), Pune.
- Pratyush supercomputer ranked at No. 169: It is installed at the Indian Institute of Tropical Meteorology.
- Mihir supercomputer at No. 316: It is installed at the National Centre for Medium Range Weather Forecasting.