

**Que-1 With reference to Front-Running in mutual fund, consider the following statements about**

- 1- Front-running is the illegal use of advance information leaked to brokers by mutual fund staff.
- 2- Though front-running works well in the mid-cap and small-cap stocks, it does not yield too much in the large-cap segment.
- 3- Front-running is both unethical and illegal, and it really hurt the common investor in stocks and mutual funds.

Which of the following given above is/are correct

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

**Que-2 With reference to Indian Gas Exchange (IGX), consider the following statements**

- 1- Oil and Natural Gas Corporation Ltd. (ONGC) has become the first Exploration and Production (E&P) company in India to trade domestic gas on Indian Gas Exchange.
- 2- The price of domestically produced natural gas is decided by the government and this will be sold on the gas exchange.
- 3- The exchange is expected to facilitate transparent price discovery in natural gas, and facilitate the growth of the share of natural gas in India's energy basket.

Which of the following given above is/are correct

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

**Que-3 The Government of India and the Government of the United States of America has recently signed an Investment Incentive Agreement (IIA). Consider the following statements about this**

- 1- It is expected to lead to enhanced investment support from America's development finance institution in a wide range of sectors.
- 2- The agreement supersedes another similar pact signed between the governments of India and the US in 1997.
- 3- The IIA was signed in New York.

Which of the following given above is/are correct

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

**Que-4 Consider the following statements about Supercapacitor**

- 1- Supercapacitors (SCs) are energy storage devices that bridge the gap between batteries and conventional capacitors.
- 2- They can store more energy than capacitors and supply it at higher power outputs than batteries.

3- Supercapacitors are used in applications requiring many rapid charge/discharge cycles, rather than long-term compact energy storage.

Which of the following given above is/are correct

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

**Que-5 Which is/are true about Sinkholes**

1- Sinkholes are depressions formed in the ground when layers of the Earth's surface start collapsing into caverns.

2- Sinkholes can only be formed due to natural processes.

3- Typically, sinkholes form in areas of "karst" terrains, where the rock below the surface of the Earth can be easily dissolved by groundwater.

Which of the following given above is/are correct

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

**Que-6 Which is/are true as per International Labour Organisation (ILO) "world of work" report, released recently**

1- After significant drop during the last quarter of 2021, the number of hours worked globally increases in the first quarter

of 2022, to 3.8% above the employment situation before the pandemic.

2- Both India and lower-middle-income countries excluding India experienced a deterioration of the gender gap in work hours in the second quarter of 2020.

3- Because the initial level of hours worked by women in India was very low, the reduction in hours worked by women in India has only a weak influence on the aggregate for lower-middle-income countries.

Which of the following given above is/are correct

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

**Que-7 What is Russia's Terminator tank support system?**

1- They are basically a replacement for mechanised infantry troops in the urban battlefield.

2- The tank support vehicles are designed to protect the Russian tanks against enemy infantry.

Which of the following given above is/are correct

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

**Que-8 Who are ASHA workers?**

1- ASHA workers are volunteers from within the community who are trained to provide information and aid people in accessing benefits of various healthcare schemes of the government.

2- They act as a bridge connecting marginalised communities with facilities such as primary health centres, sub-centres and district hospitals.

3- The role of these community health volunteers under the National Rural Health Mission (NRHM) was first established in 1982.

Which of the following given above is/are correct

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

**ANSWER**

1- (a)

- While front-running is both unethical and illegal, it does not really hurt the common investor in stocks and mutual funds.
- Front-running is the illegal use of advance information leaked to brokers by mutual fund staff. Tips on impending purchases give the trader an advantage over others and is a sure-shot way to make big money.

Leveraged buying can yield even bigger gains.

- Front-running, insider trading and stock price manipulation—instances of malpractices are common in the investment world.

2- (b)

- The price of domestically produced natural gas is decided by the government. It will not be sold on the gas exchange.
- The IGX is a digital trading platform that will allow buyers and sellers of natural gas to trade both in the spot market and in the forward market for imported natural gas across three hubs —Dahej and Hazira in Gujarat, and Kakinada in Andhra Pradesh.

- Imported Liquefied Natural Gas (LNG) will be regassified and sold to buyers through the exchange, removing the requirement for buyers and sellers to find each other.

3- (a)

- The IIA was signed in Tokyo.

4- (c)

- Supercapacitors are used in applications requiring many rapid charge/discharge cycles, rather than long-term compact energy storage — in automobiles, buses, trains, cranes

and elevators, where they are used for regenerative braking, short-term energy storage, or burst-mode power delivery. Smaller units are used as power backup for static random-access memory (SRAM).

5- (b)

- Sinkholes are depressions formed in the ground when layers of the Earth's surface start collapsing into caverns. They can occur suddenly and without warning, because the land under the surface of the Earth can stay intact for a period of time until the spaces get too big.
- Sinkholes can be formed due to natural processes or human activity. Typically, sinkholes form in areas of "karst" terrains, where the rock below the surface of the Earth can be easily dissolved by groundwater.
- Essentially, this means that when rainwater seeps into the ground, the rock below the surface of the Earth starts dissolving, leading to the creation of spaces. This process is a slow and gradual one and can sometimes take hundreds or thousands of years.

6- (d)

- After significant gains during the last quarter of 2021, the number of hours

worked globally dropped in the first quarter of 2022, to 3.8% below the employment situation before the pandemic.

7- (c)

- The Terminator or the Boyevaya Mashina Podderzhki Tankov (BMPT), is a tank support fighting vehicle developed by Russia.

8- (a)

- The role of these community health volunteers under the National Rural Health Mission (NRHM) was first established in 2005.
- The World Health Organisation has recognised the country's 10.4 lakh ASHA (Accredited Social Health Activist) workers as 'Global Health Leaders' for their efforts in connecting the community to the government's health programmes.
- ASHAs are primarily married, widowed, or divorced women between the ages of 25 and 45 years from within the community. They must have good communication and leadership skills; should be literate with formal education up to Class 8.