Q: Consider the following statement regarding Guaranteed Pension Scheme (GPS):
1. This system is started by Andhra Pradesh government.
2. The scheme offers a guaranteed pension of 33 per cent of the last drawn basic pay without any deduction to the state government employees.
3. The market conditions will influence the pension under GPS.

Choos the correct option from the codes given below:
a) 1 and 2
b) 2 and 3
c) 1 and 3
d) 1, 2 and 3

Ans: a
Explanation:
- The scheme, proposed for the first time in April 2022, offers a guaranteed pension of 33 per cent of the last drawn basic pay without any deduction to the state government employees. For this, they would need to contribute 10 per cent of their basic salary every month, and the state government will match it.
- If the employee is willing to contribute a higher 14 per cent every month, they will receive a guaranteed pension of 40 per cent of their last drawn salary.
- The market conditions will not influence the pension under GPS, which is nearly 70 per cent higher than the current pension being offered under CPS, in line with the current interest rates.
- The scheme was proposed to replace the Centre's NPS, which is called the Contributory Pension Scheme (CPS) in the state.

Q: An earthquake of magnitude 7.8 struck Turkiye. Consider the following statement:
1. The epicentre was Kusadasi
2. Turkiye sits between three major tectonic plates.
3. Collisions between the Arabian and African plates with Eurasia typically result in earthquakes.

Choos the correct option from the codes given below:
a) 1 and 2
b) 2 and 3
c) 1 and 3
d) 1, 2 and 3

Ans: b
Explanation:
- The epicentre was Pazarcik near Gaziantep, a city near the country's border with northern Syria.
- This was followed by 30 aftershocks, with six having magnitudes of 5 and larger.
- A second earthquake of magnitude 7.5 shook southeast Turkey centred in Elbistan later.
- Earthquakes occur along faults, which are fractures between blocks of rock, allowing them to move relative to one another.
- Turkiye (the Turkish/Anatolian plate) sits between three major tectonic plates: African, Arabian and Eurasian.
- Collisions between the Arabian and African plates with Eurasia typically result in earthquakes.

Q: Consider the following statement regarding voice deepfake:
1. It is one that closely mimics a real person's voice.
2. AI and robust computing power is used to generate such voice clones.

Choose the correct option from the codes given below:
a) 1 Only
b) 2 Only
c) 1 and 2
d) None of the above

Ans: c
Explanation:
- A voice deepfake is one that closely mimics a real person's voice. The voice can accurately replicate tonality, accents, cadence, and other unique characteristics of the target person.
- People use AI and robust computing power to generate such voice clones or synthetic voices. Sometimes it can take weeks to produce such voices.

1. It was founded by Ela Bhatt
2. Textile Labour Association (TLA) founded by Anasuya Sarabhai and Mahatma Gandhi.
3. SEWA Bank was recognised by International Labour Organisation.

Choos the correct option from the codes given below:
a) 1 and 2
b) 2 and 3
c) 1 and 3
d) 1, 2 and 3

Ans: d
Explanation:
- Recently, former US secretary of state Hillary Clinton announced a Global Climate Resilience Fund of 50 million dollars for women to fight climate change in association with the Self-Employed Women's Association (SEWA) founded by late activist Ela Bhatt.
- SEWA was born out of the Textile Labour Association (TLA) founded by Anasuya Sarabhai and Mahatma Gandhi in 1920 but it could not register as a trade union until 1972 because its members did not have an "employer" and were thus not seen as workers.
- In 1981, after the anti-reservation riots in which the Bhatts were targeted for supporting quotas for Dalits in medical education, the TLA broke up with SEWA.
- As early as in 1974, SEWA Bank was established to provide small loans to poor women.
- It is an initiative that was recognised by the International Labour Organisation as a microfinance movement.

Q: The Anatolian plate is divided into three major fault zones. Which among the following is not one among them?
a) North West Anatolian fault Zone (NWAFZ)
b) North Anatolian Fault Zone (NAFZ)
c) East Anatolian Fault Zone (EAFZ)
d) South Eastern Anatolian Thrust Zone (SAT)

Ans: a
Explanation:
The Anatolian plate is divided into three major fault zones:
- North Anatolian Fault Zone (NAFZ)
- East Anatolian Fault Zone (EAFZ)
- South Eastern Anatolian Thrust Zone (SAT)