Daily Current Affairs Prelims Quiz 17-04-2021 - (Online Prelims Test)

1) Which of the following statements are correct with respect *Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)?*

1. It is a free trade agreement (FTA) between all nations participating in ASEAN, RCEP with United States.
2. It is a separate treaty that incorporates, by reference, the provisions of the Trans-Pacific Partnership (TPP) Agreement.

Select the correct answer using the codes given below:

a. 1 only

b. 2 only

c. Both 1 and 2

d. Neither 1 nor 2

Answer : b

Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)

- It is a free trade agreement (FTA) between Australia, Brunei Darussalam, Canada, Chile, Japan, Malaysia, Mexico, Peru, New Zealand, Singapore and Vietnam.
- It was signed by 11 countries in 2018 in Santiago, Chile.
- The CPTPP entered into force in 2018 for Australia, Canada, Japan, Mexico, New Zealand and Singapore and in 2019 for Vietnam.
- The CPTPP will enter into force for Brunei Darussalam, Chile, Malaysia and Peru 60 days after they complete their respective ratification processes.
- The 11 countries have a shared vision of the CPTPP as a platform that is open to others to join if they are able to meet its high standards.
- It recognises the challenges facing Small and Medium-sized enterprises (SMEs) in establishing export markets, and include outcomes to help make this task easier in the CPTPP region.
- India decided to not even participate in TPP discussions with China not being a party to it and on the other hand, it chose to negotiate the RCEP where China was the fulcrum.

2) Which of the following statements are correct with respect to *Types of LEDs*

1. Mini-LEDs are around 0.2 millimetres in size or a bit smaller that collectively produce the backlight on LCD display panels.
2. Where Micro-LEDs panels basically mean smaller individual LED panels in an OLED screen.

Select the correct answer using the codes given below:

a. 1 only

b. 2 only

c. Both 1 and 2

d. Neither 1 nor 2

Answer : c

Types of LEDs

- **Mini-LED technology -** Mini-LEDs are essentially very small LEDs (around 0.2 millimetres in size or a bit smaller) that collectively produce the backlight on LCD display panels.
- Sitting behind the LCD matrix, they offer granular control over light intensity and hence a better contrast ratio.
- Mini-LEDs are essentially the best of both worlds between traditional LCDs and OLED panels.
- They bring the contrast of OLED panels and are set to be much easier and cheaper to make than OLED displays.
- **Micro-LEDs -** While OLED panels already cost more than LCD panels, Micro-LEDs take that cost up way higher for this very reason.
- Making even a fairly small Micro-LED panel incurs a lot of cost because of the super-precise construction.
- That is also likely why most of us will not be using Micro-LED TVs in our homes anytime soon.

LCD vs OLED displays

- A traditional LCD display consists of a single backlight that throws light on screen.
- However, the contrast is controlled by something called an LCD matrix.
- The matrix selectively blocks out certain parts of the backlight to produce contrast on the individual pixels.
- However due to this, when one pixel is supposed to show a bright colour, like white, and the pixel next to it is supposed to show a dark colour like black, the single backlight ends up throwing some extra light meant for the white pixel on the adjacent black pixel as well, preventing the dark pixel from showing a true pitch-black colour. This is called bleeding.
- On OLED displays, each individual pixel own lighting which allows the screen to have granular control over, which pixel is supposed to show lighter and which one is not.
- OLEDs typically have a better contrast ratio compared to traditional LCDs.

3) Which of the following statements are *incorrect* with respect to *National Start-up Advisory Council*

1. The term of the non-official members of NSAC will be five years and they are chosen from group of economists and financial scholars.
2. It was constituted by the Ministry of Skill Development and Entrepreneurship.

Select the correct answer using the codes given below:

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

Answer : c

National Start-up Advisory Council

- It was constituted by the Department for Promotion of Industry and Internal Trade (DPIIT) in January 2020.
- The chairman of the NSAC is Union Minister of Commerce & Industry.
- The ex-officio members of the NSAC are nominees of the concerned Ministries/ Departments/ Organisations not below the rank of Joint Secretary.
- It is constituted to advise the Government on measures needed to build a strong ecosystem for nurturing innovation and start-ups in the country.

- The council shall act as the guiding light for many budding start-ups entrepreneurs in India.
- The council has a number of non-official members, representing various stakeholders such as founders of successful start-ups, veterans who have grown and scaled companies in India.
- The term of the non-official members of NSAC will be two years and they will advise the government on measures needed to build a strong ecosystem for start-ups.

4) *Eat Smart Cities Challenge* is organized by under which of the following ministries?

    a. Ministry of Women and Child Development

    b. Ministry of Health and Family Welfare

    c. Ministry of Agriculture & Farmers' Welfare

    d. Ministry of Food Processing Industries

Answer : b

Eat smart Cities Challenge

- It was organized in association with Food Safety and Standards Authority of India (FSSAI) under the aegis of Ministry of Health and Family Welfare.
- It will nudge the urban populace to make the right food choices and help build a healthier and happier nation.
- It aims to motivate Smart Cities to develop a plan that supports a healthy, safe and sustainable food environment.
- It is envisioned as a competition among cities to recognize their efforts in adopting and scaling up various initiatives under Eat Right India.
- In partnership with Smart Cities Mission, the Eatsmart Cities Challenge will:

1. Create an environment of right food practices and habits;
2. Strengthen the food safety and regulatory environment; and
3. Build awareness among the consumers and urge them to make better food choices in India's major cities
4. The challenge is open to all Smart Cities, capital cities of States /UTs, and cities with a population of more than 5 lakh.

5) Consider the following statements with respect to *Transport 4 All Challenge*

1. It is launched by Ministry of Road Transport and Highways.
2. It will support cities to recover from the mobility crisis brought by coronavirus pandemic.

Which of the statement(s) given above is/are *incorrect*?

    a. 1 only

    b. 2 only

    c. Both 1 and 2

    d. Neither 1 nor 2

Answer : a

Transport 4 All Challenge

- The Ministry of Housing and Urban Affairs launched the Transport 4 All challenge in collaboration with Institute for Transportation and Development Policy (ITDP).
- The cities and start-ups will receive guidance to develop and test various solutions, learn from them, and scale them to build people's trust in public transport and enhance their mobility.
- All the Smart Cities Mission cities, capitals of states and union territories (UTs), and all cities with a population of over 5 lakh are eligible for the Challenge.

- The Transport4All through Digital Innovation Challenge comprises three stages:

1. **Stage I PROBLEM IDENTIFICATION:** Cities, with the support of NGOs, identify key recurring problems that citizens and public transport operators face
2. **Stage II SOLUTION GENERATION:** Start-ups develop prototypes of solutions to improve public transport with inputs from cities and NGOs
3. **Stage III PILOT TESTING:** Cities engage start-ups for large-scale pilots and refine the solutions based on citizen feedback

- It will support cities to recover from the mobility crisis brought by coronavirus pandemic.
- It aims to develop digital solutions that will make public transport safe, affordable, comfortable, and reliable for all.
- It will support the cities and start-ups all over the country to move towards digital transformation in urban mobility.