Que-1 With reference to the new draft National Policy for Persons with Disabilities, that will replace the 2006 policy once approved, consider the following statements

1-   It calls for developing a network of 'Cross Disability Early Intervention Centres' (CDEICs) in every district of the country.

2-   As per Census 2011, there are about 20.4 million children in the age group of 0-9 years who have some form of disabilities — either congenital or acquired.

3-   The new policy has been drawn in keeping with the provisions of the RPwD Act and the vision of the National Education Policy 2020.

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-2   With reference to Marijuana, consider the following statements

1-   Recently Malaysia becomes the first asian country to legalize marijuana, but only for medical use.

2-   It is a psychoactive drug from the Cannabis plant.

3-   Native to Central and South Asia, the cannabis plant has been used as a drug for both recreational and entheogenic purposes and in various traditional medicines for centuries.

Which of the following given above is/are correct

a)   2 only   b)   1 and 3 only

c)   1, 2 and 3   d)   2 and 3 only

Que-3   What is LaMDA, recently in News?

1-   Google's generative language model for dialogue applications which can ensure that the Assistant would be able to converse on any topic.

2-   Its full form is Language Model for Digital Applications.

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-4   What do the terms Web 1.0, Web 2.0 and Web 3.0 mean?

1-   Web 1.0 was the first generation of the global digital communications network which is often referred to as the "read-only" Internet made of static web-pages that only allowed for passive engagement.

2-   Web 3.0 is an evolving term that is used to refer to the next generation of Internet – a "read-write-execute" web – with decentralization as its bedrock.

3-   Web 3.0 will be driven by Artificial Intelligence and machine learning where machines will be able to interpret information like humans.

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 With reference to Web 5.0, consider the following statements

1-   Web 5.0 is aimed at building an extra decentralized web that puts us in control of our data and identity.

2-   Web 5.0 is Web 3.0 plus Web 4.0 that will allow users to 'own their identity' on the Internet and 'control their data'.

3-   Both Web 3.0 and Web 5.0 envision an Internet without threat of censorship – from governments or big tech, and without fear of significant outages.

Which of the following given above is/are correct

a)   2 only   b)   1 and 3 only

c)   1, 2 and 3   d)   2 and 3 only

Que-6 What is type 1 diabetes?

1-   Type 1 diabetes is a condition where the pancreas completely stops producing insulin.

2-   This is unlike type 2 diabetes — which accounts for over 90% of all diabetes cases in the country — where the body's insulin production either goes down or the cells become resistant to the insulin.

3-   Type 1 diabetes is predominantly diagnosed in adults.

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 powers do Governors enjoy as Chancellors?

1-   The appointment of Vice-Chancellors in state government-run universities is among the responsibilities of Governors as Chancellors.

2-   Chancellors in most states have the power to annul decisions of the decision-making bodies of universities such as the Executive Council, and to make appointments to these bodies.

3-   They also enjoy the power to preside over the convocation of universities.

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-8 What is single-use plastic?

1-   It refers to plastic items that are used once and discarded.

2-   On the current trajectory of production, it has been projected that single-use plastic could account for 5-10% of greenhouse gas emissions by 2050.

3-   India features in the top 100 countries of single-use plastic waste generation – at rank 14.

Which of the following given above is/are correct

a)   1 and 2 only   b)   3 only

c)   1, 2 and 3   d)   2 only

ANSWER

1-   (b)

- As per Census 2011, there are about 20.4 lakh children in the age group of 0-9 years who have some form of disabilities — either congenital or acquired.

- The new policy, put out for public comment till July 9, emphasises that a comprehensive national programme on prevention of disability should be developed not only to take care of the entire gamut of disabilities covered under the Rights of Persons With Disabilities Act 2016, but also other medical conditions which are considered as risk cases that may manifest into any form of disability.

- The new policy, as per the Department of Empowerment of Persons with Disabilities of the ministry of social justice and empowerment, has been drawn in keeping with the provisions of the RPwD Act and the vision of the National Education Policy 2020.

- The draft policy lays out the broad roadmap for developing CDEICs to provide facilities like screening and identification and referral for rehabilitative services. The EICs would also be given access to the Unique Disability Identification portal for

helping parents for assessment and certification of disability.

2-   (d)

- Recently Thailand becomes the first asian country to legalize marijuana, but only for medical use.

- Cannabis has various mental and physical effects, which include euphoria, altered states of mind and sense of time, difficulty concentrating, impaired short-term memory, impaired body movement (balance and fine psychomotor control), relaxation, and an increase in appetite.

3-   (a)

- Google first announced LaMDA at its flagship developer conference I/O in 2021 as its generative language model for dialogue applications which can ensure that the Assistant would be able to converse on any topic.

- A senior engineer at Google claimed that the company's artificial intelligence-based chatbot Language Model for Dialogue Applications (LaMDA) had become "sentient".

- Its full form is Language Model for Dialogue Applications.

4-   (c)

- Web 1.0 was the first generation of the global digital communications network. It is often referred to as the "read-only" Internet made of static web-pages that only allowed for passive engagement.

- The next stage in the evolution of the web was the "read and write" Internet. Users were now able to communicate with servers and other users leading to the creation of the social web. This is the world wide web that we use today.

- Web 3.0 is an evolving term that is used to refer to the next generation of Internet – a "read-write-execute" web – with decentralization as its bedrock.

- It speaks about a digital world, built leveraging the blockchain technology, where people are able to interact with each other without the need of an intermediary. Web 3.0 will be driven by Artificial Intelligence and machine learning where machines will be able to interpret information like humans.

5-   (b)

- Being developed by Dorsey's Bitcoin business unit, The Block Head (TBH), Web 5.0 is aimed at "building an extra decentralized web that puts you in control of your data and identity".

- Simply put, Web 5.0 is Web 2.0 plus Web 3.0 that will allow users to 'own their identity' on the Internet and 'control their data'.

- Web 5.0 is Web 2.0 plus Web 3.0 that will allow users to 'own their identity' on the Internet and 'control their data'.

6- (a)

- Type 1 diabetes is a condition where the pancreas completely stops producing insulin, the hormone responsible for controlling the level of glucose in blood by increasing or decreasing absorption to the liver, fat, and other cells of the body.

- Type 1 diabetes is predominantly diagnosed in children and adolescents. Although the prevalence is less, it is much more severe than type 2. Unlike type 2 diabetes where the body produces some insulin and which can be managed using various pills, if a person with type 1 diabetes stops taking their insulin, they die within weeks. The body produces zero insulin.

- Children with the condition usually present to the hospital with severe symptoms of frequent urination, and extreme thirst, and nearly a third of them have diabetic ketoacidosis (a serious condition where the body has a high concentration of ketones, a molecule produced when the body isn't able to absorb glucose for energy and starts breaking down fats instead).

7- (c)

- In some states, however, Governors have little or no say in appointing VCs despite holding the post of Chancellor. In Telangana and Gujarat, Governors have no option but to appoint VCs from among the names approved by the state governments.

- The Gujarat University Act, 1949 states that "the Vice-Chancellor shall be appointed by the State Government from amongst three persons recommended by a (search-cum-selection) committee".

- The Telangana Universities Act, 1991 states that the search committee shall "submit a panel of three persons to the Government in alphabetical order and the Government shall appoint the Vice-Chancellor from out of the said panel".

8- (a)

- India features in the top 100 countries of single-use plastic waste generation – at rank 94.

- Single-use plastic has among the highest shares of plastic

manufactured and used — from packaging of items, to bottles (shampoo, detergents, cosmetics), polythene bags, face masks, coffee cups, cling film, trash bags, food packaging etc.

- A 2021 report by one of the Australian philanthropic organisations the Minderoo Foundation said single-use plastics account for a third of all plastic produced globally, with 98% manufactured from fossil fuels.

- The report found that India features in the top 100 countries of single-use plastic waste generation – at rank 94 (the top three being Singapore, Australia and Oman.

- The items on which the Central Pollution Control Board (CPCB) have announced a ban are earbuds; balloon sticks; candy and ice-cream sticks; cutlery items including plates, cups, glasses, forks, spoons, knives, trays; sweet boxes; invitation cards; cigarette packs; PVC banners measuring under 100 microns; and polystyrene for decoration.

- According to the Plastic Waste Management Rules, 2016, there is also a complete ban on sachets using plastic material for storing, packing or selling gutkha, tobacco and pan masala.