

## *10 PM Current Affairs Quiz Compilation*

**September, 2021 (Second Week)**

## 10 PM Compilation for the Month of September (Second Week), 2021

### Schemes and programs - Law and Justice – Pendency of cases

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**Q.1) With reference to MITRA Scheme, consider the following statements:**

1. The scheme aims at assisting the district judiciary in reduction of pendency of ten-year-old cases.
2. It has been launched by Ministry of Law and Justice.

**Which of the statements given above is/are correct?**

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

**Correct Answer: D**

**Explanation:**

- **Statement 1 is incorrect:** The scheme aims to enable the textile industry to become globally competitive and boost exports. The scheme also aims to boost employment generation within the textile sector and also attract large investment.
- **Statement 2 is incorrect:** It has been launched by Textile ministry

**Source:** [Article](#)

**Q.2) With reference to Hospital Management Information System (HMIS), consider the following statements:**

1. It will cover clinical care such as labs, pharmacies as well as hospital administration.
2. System is implemented by RailTel and National Informatics Centre.
3. It is fully integrable with the National Digital Health Mission program of the Ministry of Health and Family Welfare.

**Which of the statements given above is/are correct?**

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

**Correct Answer: C**

**Explanation:**

- **Statement 1 is correct:** HMIS will cover clinical care such as labs, Pharmacies as well as Hospital Administration.
- **Statement 2 is incorrect:** System is implemented by RailTel- a miniratna PSU of Ministry of Railways and C-DAC under Ministry of Electronics & Information Technology.
- **Statement 3 is correct:** This system is also fully integrable with the National Digital Health Mission program of the Ministry of Health and Family Welfare.

**Source:** [Article](#)

**Q.3) With reference to the e-CHARAK Platform, consider the following statements.**

1. It is an online market portal for the trade of medicinal plants.
2. The platform was launched by the Department of Science and Technology.

**Which of the statements given above is/are correct?**

- a) 1 only

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

**Correct Answer: A**

**Explanation:**

The platform was launched by the **National Medicinal Plants Board (NMPB)**, Ministry of Ayush. **(Statement 2 is incorrect)**

The Full Form of the platform is an e-Channel for Herbs, Aromatic, Raw material And Knowledge.

It is an online market portal for the trade of medicinal plants. **(Statement 1 is correct)**

Source: [Union Minister launches “AYUSH AAPKE DWAR” Campaign at Ayush Ministry](#)

**Q.4) Which of the following statements is true about NISHTHA initiative?**

- a) It is a portal to help skilled people find sustainable livelihood opportunities.
- b) It aims at creating an enabling ecosystem for Entrepreneurship development.
- c) It is a capacity building programme for improving the quality of school education through integrated teacher training.
- d) It is the scheme is to improve the performance of it is in India.

**Correct Answer: C**

**Explanation:**

- **Statement a is incorrect:** It is the definition of **ASEEM (Atma Nirbhar Skilled Employee Employer Mapping)**. The scheme was launched in 2020 Launched in 2020 to help skilled people find sustainable livelihood opportunities.
- **Statement b is incorrect:** it is the definition of **Pradhan Mantri YUVA Yojana (Yuva Udyamita Vikas Abhiyan)**. The scheme was launched in the year 2016. It aims at creating an enabling ecosystem for Entrepreneurship development through Entrepreneurship education and training.
- **Statement c is correct:** The Union Human Resource Development Minister has launched ‘**National Initiative for School Heads and Teachers Holistic Advancement (NISHTHA)**’. Its **Objective** is to motivate and equip teachers to encourage and foster critical thinking in students.
- **Statement d is incorrect:** It is the definition of **Skills Strengthening for Industrial Value Enhancement (STRIVE)**. The scheme was launched in 2016. The main focus of the scheme is to improve the performance of ITIs.

Source: [PIB](#)

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### SCIENCE AND TECHNOLOGY

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**Q.1) With reference to biogas production via Bio-methanation method, consider the following statements:**

1. Under this, organic material is microbiologically converted under anaerobic conditions to biogas.
2. The energy content of the biogas produced under the process is proportional to the Methane content.
3. The biogas has a lower calorific value than natural gas.

**Which of the statements given above is/are correct?**

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

**Correct Answer: D**

**Explanation:**

- **Statement 1 is correct:** Under Bio-methanation organic material is microbiologically converted under anaerobic conditions to biogas.
- **Statement 2 is correct:** The energy content of the biogas is proportional to the CH<sub>4</sub> content. Usually, the AD biogas contains between 40–75% CH<sub>4</sub> and 25–60% CO<sub>2</sub>, besides other components in minor quantities such as H<sub>2</sub>, N<sub>2</sub>, NH<sub>3</sub>, H<sub>2</sub>S, H<sub>2</sub>O and others trace organic and inorganic components.
- **Statement 3 is correct:** Because of the presence of CO<sub>2</sub>, the biogas has a lower calorific value than natural gas, and therefore cannot be directly injected into the natural gas grid.

**Source:** [Article](#)

**Q.2) With reference to National Aerospace Laboratories (NAL), consider the following statements:**

1. It is a constituent part of Defence Research and Development Organisation (DRDO).
2. It is the only government-owned aerospace R&D lab in the civilian sector.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

- **Statement 1 is incorrect:** NAL is a part of Council of Scientific and Industrial Research (CSIR).
- **Statement 2 is correct:** It is the only government-owned aerospace R&D lab in the civilian sector.

**Source:** [Article](#)

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**Q.3)** With reference to **Hycean worlds**, consider the following statements.

1. Hycean planets are up to 2.5 times bigger than Earth, with oceans and hydrogen-rich atmospheres.
2. These planets might support microbial underwater life.

**Which of the statements given above is/are correct?**

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

**Correct Answer: C**

**Explanation:**

**Both the statements are correct.**

A recent study published in The Astrophysical Journal identifies a new class of exoplanets – Hycean worlds – that could support life different from that on Earth.

These planets are about 2.5 times the size of Earth, have temperatures about 200 degrees Celsius and planet-wide oceans. These could support microbial underwater life.

Source: [Space.com](https://www.space.com)

**Q.4)** With reference to the **INS Dhruv**, consider the following statements:

1. It has been launched for civil research in the Antarctica region.
2. It has the capability to map ocean beds for research.
3. It is a nuclear missile tracking ship which will be manned by Indian Navy personnel with the Strategic Forces Command (SFC).

**Which of the statements given above is/are correct?**

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

**Correct Answer B**

**Explanation**

**Statement 1 is incorrect:** It is not a civil vessel but a ship of Indian Navy meant for the purpose of Nuclear Missile defence.

**Statements 2 and 3 are correct**

**Features of INS Dhruv**

- **Mapping:** It has the capability to also map ocean beds for research and detection of enemy submarines.
- **Enhanced surveillance capabilities:** INS Dhruv is equipped with DRDO developed state-of-the-art active scanned array radar or AESA. It has the ability to scan various spectrums to monitor spy satellites watching over India, as well as monitor missile tests in the entire region.
- **Surveillance:** The ship will be a vital key to maritime domain awareness in the Indo-Pacific and is being commissioned at the time when the era of underwater armed and surveillance drones has dawned.
- **Real time warning system:** It will act as an early warning system for enemy missiles headed towards Indian cities and military establishments.

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- **Control:** The nuclear missile tracking ship will be manned by Indian Navy personnel with the Strategic Forces Command (SFC).

**Source:** [HT](#)

**Q.5)** With reference to Dementia, consider the following statements.

1. Dementia is a viral disease that affects the functions of intestine.
2. It is one of the major causes of disability and dependency among older people worldwide.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

Recently, The World Health Organisation (WHO) has released a report titled 'Global status report on the public health response to 'dementia'.

**About Dementia:**

Dementia is a syndrome – usually of a chronic or progressive nature – that leads to deterioration in cognitive function (i.e. the ability to process thought) beyond what might be expected from the usual consequences of biological ageing. **(Statement 1 is incorrect)**

Dementia is currently the seventh leading cause of death among all diseases and one of the major causes of disability and dependency among older people worldwide. **(Statement 2 is correct)**

**Read more:** [World failing to address dementia challenge: WHO report](#)

**Q.6)** With reference to Nipah virus, consider the following statements:

1. It is a zoonotic virus.
2. The only available vaccine is the antiviral drug Ribavirin.

**Which of the above statements is/are correct?**

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

**Correct Answer: A**

**Explanation:**

- **Statement 1 is correct:** It is a zoonotic virus, meaning it has been transmitted from animals to human beings.
- **Statement 2 is incorrect:** There is no vaccine against Nipah virus. The only available treatment is supportive cough care. Ribavirin, an antiviral drug, was used to treat encephalitis in 2018.

**Source:** [Article](#)



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**Q.7)** With reference to **Mu Variant**, Consider the following statements.

1. Mu variant is currently responsible for more than 10% of global infections.
2. The World Health Organization (WHO) has classified this variant as a variant of interest (VOI).

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

The World Health Organization (WHO) has classified yet another SARS-CoV-2 variant — B.1.621 — as a variant of interest (VOI) and given it the label “Mu”. **(Statement 2 is correct)** Mu Variant was first seen in Colombia in January 2021 when it was given the designation B1621.

It has since been detected in 40 countries, but it is currently responsible for only 0.1% of infections globally. **(Statement 1 is incorrect)**

Source: [Mu variant: Newly classified by WHO as a SARS-CoV-2 variant of interest](#)

**Q.8)** With reference to **Hydrogen**, consider the statements below:

1. Grey hydrogen is produced from coal.
2. Hydrogen is a good storage material for surplus electricity generated from renewables.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

- **Statement 1 is incorrect:** Grey hydrogen is produced from methane or natural gas. Brown hydrogen is produced from coal.
- **Statement 2 is correct:** Apart from use in transportation, hydrogen may be a good storage material for surplus electricity generated from renewables. Solar and wind are intermittent; sometimes they don't generate any power, and sometimes they generate a surplus. The surplus can be used to electrolyze hydrogen, which can be stored.

Source: [Article](#)

**Q.9)** With reference to **Pollen**, consider the following statements.

1. It is a fine yellowish powder released by plants.
2. Each pollen grain contains female gametes necessary for fertilization.
3. Pollen are considered major outdoor airborne allergens responsible for allergic rhinitis, asthma, and atopic dermatitis in humans.

**Which of the statements given above is/are correct?**

- a) 1 and 2 only
- b) 2 and 3 only

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

**Correct Answer: C**

**Explanation:**

Chandigarh has got its **first pollen calendar**. This can identify potential allergy triggers and provide a clear understanding for clinicians as well as allergy sufferers about their causes to help limit their exposure during high pollen loads.

**About Pollen:**

Pollen is a fine yellowish powder released by plants (**Statement 1 is correct**). They are essential for the sexual reproduction of flowering plants and plants that produce cones. Each pollen grain contains male gametes necessary for fertilisation. (**Statement 2 is incorrect**)

**Pollen** produced by plants are considered major outdoor airborne allergens responsible for allergic rhinitis, asthma, and atopic dermatitis in humans. (**Statement 3 is correct**)

**In India**, about 20-30% of the population suffers from allergic rhinitis/hay fever and approximately 15% develop asthma.

Read more: [Chandigarh's first Pollen Calendar can help identify potential allergy triggers and guard sensitive people from exposure](#)

**Q.10)** With reference to **Virtual Private Networks (VPNs)**, consider the following statements.

1. They provide online privacy and anonymity by creating a private network from a public internet connection.
2. VPNs are essential to the proper functioning of many modern businesses.

**Which of the statements given above is/are correct?**

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

**Correct Answer: C**

**Explanation:**

Recently the Parliamentary Standing Committee on Home Affairs recommended that the Ministry of Home Affairs should collaborate with the Ministry of Electronics and Information Technology to develop a coordination mechanism to block VPNs.

**About VPNs:**

A virtual private network (VPN) provides online privacy and anonymity by creating a private network from a public internet connection. VPNs mask a person's internet protocol (IP) address, so the online actions are virtually untraceable. (**Statement 1 is correct**)

VPNs are **essential to the proper functioning of many modern businesses**, particularly in the **high-value-added services sectors**. The VPNs enable branch offices to be properly plugged into corporate networks and allow for employees to conduct transactions and approvals with proper data security. (**Statement 2 is correct**)

Read more: [Protect Digital India: About the challenges associated with banning VPNs](#)

**Q.11)** With reference to **HIV**, consider the following statements:

1. HIV attacks CD4, a type of White Blood Cell (T cells) in the body's immune system.
2. It spreads from one person to another through sexual contact.



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Which of the statements given above is/are correct?

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

**Correct Answer C**

**Explanation:**

**Statement 1 is correct:** HIV (human immunodeficiency virus) is a virus that attacks CD4 cells that help the body fight infection, making a person more vulnerable to other infections and diseases.

**Statement 2 is correct:** HIV is transmitted through anal or vaginal sex, or sharing needles, syringes, or other drug injection equipment.

**Source:** [Indian Express](#)

**Q.12) With reference to Inspiration4 mission, consider the following statements:**

- 1. It is a manned spaceflight aboard the SpaceX *Resilience* capsule.
- 2. It will orbit the Earth higher than both International Space Station and the Hubble Space Telescope.
- 3. The mission involves circling the Earth for three days and then splashing down into the Atlantic Ocean.

**Which of the statements given above is/are correct?**

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

**Correct Answer: D**

**Explanation:**

**All statements are correct.**

**Explanation**

- **Inspiration4** is a spaceflight planned for four people aboard the SpaceX *Resilience* capsule. The three-day flight will be the first human spaceflight to orbit Earth with exclusively private citizens on board. The flight will be privately operated by SpaceX using a previously-flown [Crew Dragon](#) capsule launched to low Earth orbit.
- **The objective of the Inspiration4 mission:** The mission involves circling the Earth for three days and then splashing down into the Atlantic Ocean. It will orbit the Earth at 575 km, higher than the [International Space Station](#) (408 km) and the [Hubble Space Telescope](#) (547 km). This will be the farthest distance travelled by a crewed mission since 2009, when astronauts last went to repair the Hubble.

**Source:** [Article](#)

**Q.13) Which of the following pairs is/are correctly matched?**

- 1. Grey Hydrogen – Coal
- 2. Brown Hydrogen – Natural Gas
- 3. Pink Hydrogen – Electrolysis via nuclear power

**Select the correct answer from the codes given below:**

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

**Correct Answer: C**

### Explanation

- **Grey Hydrogen:** This is the most common form of hydrogen production. Grey hydrogen is created from natural gas, or methane, using steam methane reformation but without capturing the greenhouse gases made in the process.
- **Brown hydrogen:** Using black coal or lignite (brown coal) in the hydrogen-making process, these black and brown hydrogen are the absolute opposite of green hydrogen in the hydrogen spectrum and the most environmentally damaging.
- **Pink hydrogen:** Pink hydrogen is generated through electrolysis powered by nuclear energy. Nuclear-produced hydrogen can also be referred to as purple hydrogen or red hydrogen. In addition, the very high temperatures from nuclear reactors could be used in other hydrogen productions by producing steam for more efficient electrolysis or fossil gas-based steam methane reforming.

**Source:** [Article](#)

**Q.14) With reference to Marker X syndrome, consider the following statements:**

1. It is a genetic disorder.
2. Boys often have a more serious form of this syndrome than girls.
3. The disorder can be cured if therapy is given at an early stage.

**Which of the statements given above is/are correct?**

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

**Correct Answer: A**

### Explanation:

- **Statement 1 is correct:** Fragile X syndrome (FXS) is a genetic disorder. It is also known as Martin-Bell syndrome or Marker X syndrome.
- **Statement 2 is correct:** The syndrome is the leading inherited cause of autism in 4% of the population worldwide. Boys often have a more serious form of it than girls.
- **Statement 3 is incorrect:** The disorder cannot be cured, but early therapy can improve the individual's quality of life.

**Source:** [Article](#)

**Q.15) With reference to the Innovation in Science Pursuit for Inspired Research (INSPIRE) Scheme, consider the following statements.**

1. The scheme covers only the school students.
2. The scheme is sponsored and managed by the Department of Science & Technology.

**Which of the statements given above is/are correct?**

- a) 1 only
- b) 2 only

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- c) Both 1 and 2
- d) Neither 1 nor 2

**Correct Answer: B**

**Explanation:**

Recently, the Union Minister of Science & Technology has presented the 8th INSPIRE – MANAK Awards during a virtual ceremony.

**About INSPIRE Scheme**

INSPIRE is an innovative programme sponsored and managed by the Department of Science & Technology for the attraction of talent to science. **(Statement 2 is correct).**

**Programs:** The scheme covers students in the age group of 10-32 years and has three programs and five components. They are a) **Scheme for Early Attraction of Talents for Science (SEATS)**, b) **Scholarship for Higher Education (SHE)** and c) **Assured Opportunity for Research Careers (AORC)**. **(Statement 1 is incorrect).**

**Read more:** [Union Minister presents the 8th INSPIRE – MANAK Awards during a virtual ceremony](#)

**Q.16)** With reference to **Atal Innovation Mission: Space Challenge**, consider the following statements.

1. It is launched in collaboration with ISRO and DRDO.
2. Students from all across the country can participate in this challenge.

**Which of the statements given above is/are correct?**

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

**Correct Answer B**

**Explanation:**

**Statement 1 is incorrect:** Atal Innovation Mission has launched **Space challenge 2021 in collaboration with ISRO & CBSE.**

**Statement 2 is correct:** All the ATL (Atal tinkering Labs) and non ATL schools can participate in it.

Source: [PIB](#)

## 10 PM Compilation for the Month of September (Second Week), 2021

### Polity and governance - Committees - Ashok Kumar Tandon Committee

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**Q.1) Ashok Kumar Tandon Committee** was recently constituted. For which of the following purpose the committee has been constituted?

- The committee will look at the existing guidelines of Journalists Welfare Scheme and make appropriate recommendations.
- The committee will look into the challenges in e-mobility projects and suggest recommendations to improve them.
- The committee will look into the challenges in green hydrogen production and suggest necessary reforms.
- The committee will look into the present scenario and suggest steps to reopen schools in India.

**Correct Answer: A**

**Explanation:**

Recently, Ministry of Information and Broadcasting has constituted a ten-member Committee headed by Shri Ashok Kumar Tandon, renowned Journalist and Member, Prasar Bharati to take a look at the existing guidelines of the Journalists Welfare Scheme of the Ministry of Information and Broadcasting and make appropriate recommendations for changes therein.

Source: [PIB](#)

**Q.2)** With reference to “**Judges of High Court**”, consider the following statements:

- They are appointed by governor of the state in consultation with Chief Justice of India.
- The age of retirement of HC judges is 65 years.

**Which of the statements given above is/are correct?**

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**Correct Answer: D**

**Explanation:**

**Statement 1 is incorrect:** Article 217 of the Constitution states that the Judge of a High Court shall be appointed by the President in consultation with the CJI, Governor of the state.

**Statement 2 is incorrect:** The age of retirement is **65 years for SC judges** and **62 for HC judges**, unlike in the United States, where Supreme Court judges serve for life.

Source: [Indian Express](#)

**Q.3)** which of the following is the objective of 6<sup>th</sup> schedule of the constitution?

- To protect the interest of border states.
- To protect the interest of schedule tribes.
- To allocate power and functions between Union and States.
- To allocate seats for states and UT's in Rajya Sabha.

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**Correct Answer: B**

**Explanation:**

**About 6<sup>th</sup> Schedule**

- The Constitution of India makes special provisions for the administration of the tribal dominated areas in four states namely Assam, Meghalaya, Tripura and Mizoram.
- As per article 244 and 6th Schedule, these areas are called “Tribal Areas”, which are technically different from the Scheduled Areas under fifth schedule.
- The Governors of these four states are empowered to declare some tribal dominated districts / areas of these states as autonomous districts and autonomous regions.
- It provides for the creation of autonomous District and Regional Councils in these tribal areas and they enjoy a certain degree of administrative, legislative, judicial and financial autonomy.

**Source:** [Article](#)

**Q.4) Venkatachaliah Commission sometimes seen in news is associated with?**

- a) Reviewing the working of the Indian Constitution.
- b) Report on the working of capital market infrastructure institutions (MIIs).
- c) Pension Scheme for the Unorganized Sector.
- d) Analyse the financial condition of the Regional Rural Banks in India.

**Correct Answer: A**

**Explanation:**

- National Commission to Review the Working of the Constitution (NCRWC), or the Venkatachaliah Commission: It recommended that individual and collective consultation with the States should be undertaken through the Inter-State Council established under Article 263 of the Constitution.

**Source:** [Article](#)

**Q.5) With reference to Bureau of Police Research and Development (BPRD), consider the following statements:**

1. It is a statutory body.
2. It was established with the prime objective of modernization of police force.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

- **Statement 1 is incorrect:** BPRD is not a statutory body. It was established via a resolution, not by an Act.
- **Statement 2 is correct:** Primary objective behind establishing BPRD was modernization of the police force.



## 10 PM Compilation for the Month of September (Second Week), 2021

### Environment - Biodiversity and Conservation

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**Q.1)** With reference to the **Mangroves**, consider the following statements:

1. They are confined to tropical and subtropical regions.
2. The seeds of Mangrove Forests trees germinate in the trees itself before falling.
3. According to Forest Survey of India 2019 Report, Mangrove cover has decreased as compared to last survey.

**Which of the statements given above is/are correct?**

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

**Correct Answer A**

**Explanation:**

**Statement 1 is correct:** They are confined to tropical and subtropical regions as they need high solar radiation to filter saline water through their roots.

**Statement 2 is correct:** The seeds of Mangrove Forests trees germinate in the trees itself before falling – This is called Viviparity mode of reproduction.

**Statement 3 is incorrect:** According to the Forest Survey of India, 2019, Mangroves cover in the country increased by 54 sq km (91.10 percent) in comparison to the 2017 assessment.

**Source:** [The Hindu](#)

**Q.2)** With reference to the **Komodo dragon**, consider the following statements.

1. Komodo Dragon is endemic to Indonesia and present only in the World Heritage site, Komodo National Park and neighbouring Flores.
2. Komodo Dragon is listed as vulnerable in IUCN Redlist.

**Which of the statements given above is/are correct?**

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

**Correct Answer: A**

**Explanation:**

The world's largest living lizard, the Komodo dragon (*Varanus komodoensis*), has been moved from vulnerable to endangered. **(Statement 2 is incorrect)**

The species is endemic to Indonesia and present only in the World Heritage site, Komodo National Park and neighbouring Flores. **(Statement 1 is correct)**

Rising global temperature and subsequent sea levels are expected to reduce the Komodo dragon's suitable habitat by at least 30 percent in the next 45 years.

Due to ongoing human activities, Komodo dragons living outside protected areas in Flores are threatened by significant habitat loss.

Read more: [Over 900 species of animals have become extinct according to latest IUCN Red List](#)

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**Q.3) With reference to Dugong, consider the following statements:**

1. It is an herbivorous mammal endemic to Indian Ocean.
2. They are listed in Appendix I of the CITES.
3. India's first conservation reserve is located in Andaman and Nicobar Islands.

**Which of the statements given above is/are incorrect?**

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

**Correct Answer: c**

**Explanation:**

- **Statement 1 is incorrect:** The dugong (*Dugong dugon*), also called the sea cow, is a herbivorous mammal. Species is found throughout the warm latitudes of the Indian and western Pacific Ocean.
- **Statement 2 is correct:** Internationally, dugongs are listed in Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), which prohibits the trade of the species and its parts.
- **Statement 3 is incorrect:** India's first Dugong conservation reserve is coming up in Tamil Nadu.

**Source: [Article](#)**

**Q.4) With reference to Manda buffalo, consider the following statements.**

1. They are resistant to parasitic infections and less prone to diseases.
2. They are endemic to the Western Ghats.

**Which of the statements given above is/are correct?**

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

**Correct Answer: A**

**Explanation:**

Recently, The Manda buffalo has been recognised as the 19th unique breed of buffaloes found in India by the National Bureau of Animal Genetic Resources (NBAGR).

**About the Manda Buffalo:**

- They are found in the Eastern Ghats and plateau of Koraput region of Odisha. **(Statement 2 is incorrect)**
- These buffaloes have ash grey and grey coats with copper-coloured hair. Some animals are silver white in colour.
- The Manda are resistant to parasitic infections, less prone to diseases and can live, produce and reproduce at low or nil input systems. **(Statement 1 is correct).**

**Source: [The Hindu](#)**

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**Q.5) Vanniyar Movement** was recently seen in the news. It is related to which of the following states?

- a) Karnataka
- b) Tamil Nadu
- c) Maharashtra
- d) Punjab

**Explanation:**

**Correct Answer: B**

Tamil Nadu government has announced the construction of a memorial in Villupuram to people killed in police firing and clashes in 1987, during a movement demanding reservation for the Vanniyar community.

**About Vanniyar Movement**

Vanniyars are one of the largest and most consolidated backward communities in the state. They had raised massive protests in the mid-1980s demanding 20% reservation in the state, and 2% in central services.

The Vanniyars declared an agitation from September 17 to 23, 1987, which turned violent. At least 21 protesters were killed, mostly in police firing, and also in clashes with members of Scheduled Caste communities.

After the DMK government came to power in 1989, the OBC quota was split into two: Backward Castes and Most Backward Castes. Vanniyars were categorised among the MBCs with 107 other communities, with 20% reservation.

Recently, Vanniyar community through Government Order got 10.5% reservation for Vanniyars within the 20% MBC quota.

Source: [Indian Express](#)

**Q.6)** Which of the following has the power to increase the number of judges in the Supreme Court?

- a) Chief Justice of India
- b) Attorney General of India
- c) Parliament of India
- d) President of India

**Correct Answer C**

**Explanation:**

Parliament, which has the power to increase the number of judges, has gradually done so by amending the **Supreme Court (Number of Judges) Act**. The number of judges was increased from 8 in 1950 to 11 in 1956, 14 in 1960, 18 in 1978, 26 in 1986, 31 in 2009, and 34 in 2019.

Source: [Article](#)

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### INTERNATIONAL RELATIONS

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**Q.1) SIMBEX is a maritime bilateral exercise between India and which one of the following countries?**

- a) Singapore
- b) Azerbaijan
- c) Saudi Arabia
- d) Thailand

**Correct Answer: A**

**Explanation:**

- **SIMBEX (Singapore-India Maritime Bilateral Exercises)** is a joint maritime bilateral exercise between Indian and Singapore navies. The first edition of the exercise was conducted in 1994.

**Source:** [Article](#)

**Q.2) AUSINDEX is a bilateral maritime exercise between India and which one of the following countries?**

- a) Austria
- b) Australia
- c) Armenia
- d) Argentina

**Correct Answer: B**

**Explanation:**

**Statement b is correct:** **AUSINDEX** is a bilateral **maritime exercise** between India and Australian Navies. It was started in the year 2015. This is the fourth edition of the exercise.

**Aim:** To provide an opportunity for both Navies to further bolster interoperability, gain from best practices and develop a common understanding of procedures for Maritime Security Operations.

**Source:** [PIB](#)

**Q.3)** With reference to the **International Fund for Agricultural Development (IFAD)**, consider the following statements.

1. It is a specialized United Nations agency engaged in providing grants and loans at low interests.
2. It is headquartered in Rome.

**Which of the statements given above is/are correct?**

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

**Correct Answer: C**

**Explanation:**

Sri Lanka and the International Fund for Agricultural Development (IFAD) are working together to promote the island's agriculture-based economy.

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### About IFAD

- It is a specialized United Nations agency created in 1977 engaged in providing grants and loans with low interest for allied projects. The organization is an outcome of the World Food Conference of 1974. **(Statement 1 is correct)**
- The IFAD works with rural people allowing them to enhance their food security, improve nutrition and raise their incomes.
- It also helps people to expand their businesses.
- It is headquartered in Rome. **(Statement 2 is correct)**
- IFAD brings out the Rural Development Report every year.

Source: [Borgen](#)

**Q.4)** With reference to **Eastern Economic Forum**, consider the following statements.

1. It is a joint initiative of Russia and European Union.
2. It takes place each year in Vladivostok, a city in Russia.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

### Explanation:

Recently, the Prime Minister of India (PM) addressed the plenary session of the 6th Eastern Economic Forum (EEF) via video-conferencing.

### About the Eastern Economic Forum

The Eastern Economic Forum was established by decree of the President of Russia in 2015. **(Statement 1 is incorrect)** Its aim is to support the economic development of Russia's Far East and to expand international cooperation in the Asia-Pacific region. The summit takes place each year in Vladivostok, a city in Russia. **(Statement 2 is correct)**

Read more: [India's Minister of Petroleum and Natural Gas to participate in the 6th Eastern Economic Summit in Vladivostok](#)

**Q.5)** With reference to "**South Asian Association for Regional Cooperation (SAARC)**", consider the following statements:

1. SAARC was established in Dhaka in 1985.
2. Afghanistan, Bangladesh, Bhutan, India, Myanmar, Nepal, Pakistan and Sri Lanka are members of SAARC.
3. SAARC headquarter is in Kathmandu, Nepal.

**Which of the above statements is/are correct?**

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



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### **Correct Answer C**

#### **Explanation:**

- **Statement 1 is correct:** SAARC was established with the signing of the SAARC Charter in Dhaka on 8 December 1985.
- **Statement 2 is incorrect:** Myanmar is not the member of SAARC. SAARC comprises of eight Member States: Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka.
- **Statement 3 is correct:** The Headquarters and Secretariat of the Association are at Kathmandu, Nepal.

**Source:** [Indian Express](#)

**Q.6)** With reference to **Partnership to Advance Clean Energy (PACE)**, consider the following statements.

1. The partnership aims to accelerate the low carbon growth by supporting research and deployment of clean energy technologies.
2. It is launched by India in the recent BRICS Summit.

**Which of the statements given above is/are correct?**

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

### **Correct Answer: A**

#### **Explanation:**

It was launched in 2009 by India and the United States. **(Statement 2 is incorrect)**. The partnership aims to accelerate the **low carbon growth by supporting research and deployment of clean energy technologies**. **(Statement 1 is correct)**

Source: [Ministerial meeting of the U.S.-India Strategic Clean Energy Partnership \(SCEP\)](#)

**Q.7)** With reference to **Marital rape in India**, consider the following statements.

1. At present, there is no law penalizing Marital rape in India.
2. So far, no official committee has recommended the government to make Marital rape illegal.

**Which of the statements given above is/are correct?**

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

### **Correct Answer: A**

#### **Explanation:**

India is one of the countries where marital rape is yet to be even recognized. At present, there is no law penalizing Marital rape in India. **(Statement 1 is correct)**

Exception 2 to Section 375: This section provides that sexual intercourse by a man with his own wife (provided that wife is over the age of 18) would not amount to the offence of rape.

Independent Thought v. Union of India (2017) case: In this case, the SC has criminalised sexual intercourse with a minor wife aged between 15 and 18 years. In this

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case, the Court restricted marital rape cases to minors to bring parity between IPC and POCSO 2012.

Justice Verma Committee was constituted in 2012 with an objective to strengthen the anti-rape laws in the country. The committee strongly recommended that the exception for marital rape be removed. **(Statement 2 is incorrect)**

**Source:** [The Issue of Marital Rapes in India – Explained, pointwise](#)

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## 10 PM Compilation for the Month of September (Second Week), 2021

### GEOGRAPHY - DRAINAGE SYSTEM AND OTHER WATER FORMS - RIVERS

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**Q.1) With reference to Brahmani river, consider the following statements:**

1. It is a tributary of Mahanadi River.
2. Bhitarkanika Wildlife sanctuary lies in the estuarial region of Brahmani-Baitrani river system.

**Which of the statements given above is/are incorrect?**

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

**Correct Answer: A**

**Explanation**

- **Statement 1 is incorrect:** Brahmani is not a tributary of Mahanadi. The Brahmani is formed by the confluence of the Sankh and South Koel rivers.
- **Statement 2 is correct:** The **Brahmani** is formed by the confluence of the **Sankh** and South Koel rivers

**Source:** [Article](#)

## 10 PM Compilation for the Month of September (Second Week), 2021

### **ECONOMY – MONEY AND BANKING**

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#### **Q.1) With reference to Account Aggregators, consider the statements below:**

1. It is a non-banking financial company engaged in the business of providing, under a contract, the service of retrieving or collecting financial information.
2. The licence for AAs is issued by the Finance Ministry.
3. One of the benefits of AAs is that they will help banks reduce transaction costs.

#### **Which of the statements given above is/are correct?**

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

**Correct Answer: C**

#### **Explanation:**

- **Statement 1 is correct:** According to the Reserve Bank of India, an Account Aggregator is a non-banking financial company engaged in the business of providing, under a contract, the service of retrieving or collecting financial information pertaining to its customer. It is also engaged in consolidating, organising and presenting such information to the customer or any other financial information user as may be specified by the bank.
- **Statement 2 is incorrect:** The licence for AAs is issued by the RBI, and the financial sector will have many AAs.
- **Statement 3 is correct:** AAs will allow banks to access consented data flows and verified data. This will help banks reduce transaction costs, which will enable them to offer lower ticket size loans and more tailored products and services to our customers

**Source:** [Article](#)

#### **Q.2) With reference to Palm oil, consider the following statements:**

1. It is a perennial plantation crop.
2. Its plantation can lead to a decline in forest cover and biodiversity of a region.

#### **Which of the statements given above is/are correct?**

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

**Correct Answer: C**

#### **Explanation:**

- **Statement 1 is correct:** Oil palm is a low maintenance, high yield, perennial plantation crop. It is one of the essential food items such as onions and pulses and widely used by a majority of Indians.
- **Statement 2 is correct:** Studies on agrarian change in Southeast Asia have shown that increasing oil palm plantations is a major reason for the region's declining biodiversity. For example: Indonesia has seen a loss of 1,15,495 million hectares of forest cover in 2020, mainly to oil palm plantation

**Source:** [Article](#)

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**Q.3)** With reference to “**Bitcoin**”, consider the following statements:

1. El Salvador is the first nation to adopt bit coin as legal currency.
2. RBI has legalized the use of bitcoin in India.

**Which of the above statements is/are correct?**

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

**Correct Answer: A**

**Explanation:**

- **Statement 1 is correct:** El Salvador has become the first country in the world to adopt Bitcoin as legal tender.
- **Statement 2 is incorrect:** Currently it is not legalized in India. In India, the Government has floated the Cryptocurrency and Regulation of Official Digital Currency Bill, 2021. The bill prohibits all private crypto currencies and lays down the regulatory framework for the launch of an official digital currency.

**Source:** [Business Standard](#)

**Q.4)** With reference to **Production Linked Incentive (PLI) schemes**, consider the following statements:

1. It aims to promote the local companies to setup or expand their manufacturing units.
2. It restricts the foreign investors to set up their manufacturing units in India.

Which of the statements given above is/are correct?

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

**Correct Answer A**

**Explanation:**

**Statement 1 is correct:** It aims to promote the local manufacturers to expand their manufacturing. Under the Scheme, companies will get incentives on **incremental sales** from products manufactured in domestic units.

**Statement 2 is incorrect:** The **major aim** of the scheme is to invite foreign investors to set up their manufacturing units in India.

**Source**[Article](#)



## 10 PM Compilation for the Month of September (Second Week), 2021

### Geography – Map based Question-Assam

**Q.1)** With which of the following states/countries does Assam share its border?

- a) Bhutan, Myanmar, Tripura
- b) Sikkim, Tripura, Bangladesh
- c) Tripura, Nepal and Bhutan
- d) Manipur, Mizoram and Bangladesh

**Correct Answer D**

**Explanation:**

**Assam** is located in the northeastern part of the country.

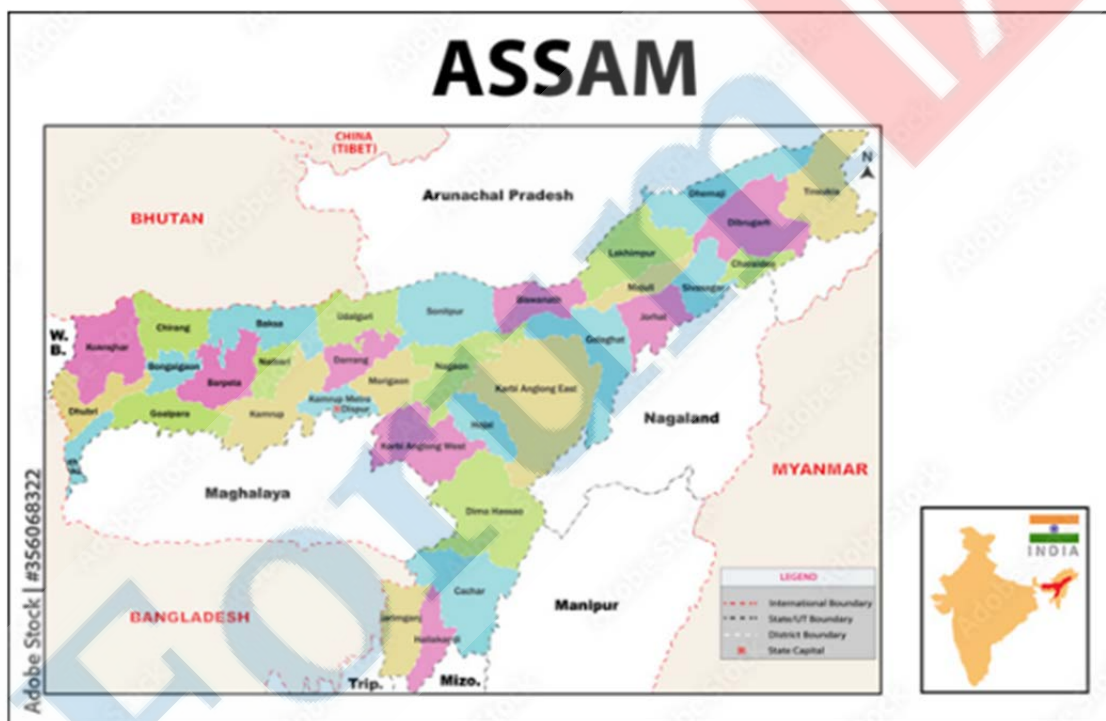
It is bounded to the north by **Bhutan** and the state of **Arunachal Pradesh**.

To the east by the states of **Nagaland and Manipur**.

To the south by the states of **Mizoram and Tripura**.

To the west by **Bangladesh** and the states of **Meghalaya** and **west Bengal**.

**Source:** [Article](#)



**Q.2)** Which of the following is/are tributaries of Brahmaputra?

- 1. Sankosh
- 2. Subansiri
- 3. Kameng

**Which of the options given above is/are correct?**

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

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**Correct Answer D**

**Explanation:**

**Brahmaputra River:** It enters India in the state of Arunachal Pradesh from Tibet.

**Left bank tributaries:** Dibang, Lohit.

**Right Bank tributaries:** Subansiri, Kameng, Manas, Sankosh.

**Source:** [DTE](#)

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## 10 PM Compilation for the Month of September (Second Week), 2021

### **ENVIRONMENT - CLIMATE CHANGE**

**Q.1) Which of the following factors is/are possible factors behind changing rainfall pattern in North East India?**

1. Drying up of land due to climate change.
2. Increased snowfall in the Eurasian region.
3. Pacific decadal Oscillation.

**Select the correct answer from the codes given below:**

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

**Correct Answer: D**

#### **Explanation**

Climate change is causing increased variability and unpredictability of rainfall in the North East region of India.

- **Climate change causing drying up of land:** An aspect of warming that influences rainfall is drying of the land, which increases the frequency and intensity of dry periods and droughts. An increase in moisture and the drying up together change the rainfall patterns in unpredictable ways.
- **Increased snowfall in the Eurasian region** also impacts monsoon rainfall in North East India. Excessive snowfall in Eurasia causes cooling of the atmosphere of the region, which triggers events eventually leading to a weak summer monsoon season there.
- **Sea surface temperatures:** A study has also attributed a decrease in rainfall to sea surface temperatures over the subtropical Pacific Ocean, which vary in a cycle and each phase of which lasts a decade. The peak comes every 20 years and is known as the **Pacific Decadal Oscillation (PDO)**. As per a study, PDO is being influenced by global warming as it decreases the difference of temperatures among the layers of the ocean. The peak of PDO will change from 20 to 12 years, which may have an impact on the monsoon rainfall in North East India.

**Source:** [Article](#)

**Q.2) With reference to Open Natural Ecosystems (ONEs), consider the following statements:**

1. In India, ONEs have been classified as wastelands.
2. They have the highest densities & diversity of large mammalian fauna and also support the livelihoods of local populations.

**Which of the statements given above is/are correct?**

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

**Correct Answer: C**

#### **Explanation:**

**Both statements are correct.**

#### **Explanations**

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- In India, ONEs has been classified as wastelands. They cover around 300,000 sq km (10 percent) of India's land surface. The largest stretches are found in Rajasthan, Madhya Pradesh, Maharashtra, Andhra Pradesh and Gujarat.
- These have the “**highest densities and diversity of large mammalian fauna**” and also **support the livelihoods of local** populations. So, the government should exclude these habitats when considering the location of renewable energy projects.

Source: [Article](#)

**Q.3) With reference to wildfire burn scars, consider the following statements:**

1. The darker soil surface that they leave behind displays increased fertility & water retention.
2. Burn scars can also increase thunderstorms and the risk of lightning.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

**Statement 1 is incorrect:** Wildfires burn millions of acres of land every year. It leaves behind Wildfire burn scars on the land with little vegetation and a darker soil surface, which **cannot absorb the water**. It makes the land more susceptible to flooding and erosion. Even small rainfall is sufficient to trigger flooding and debris flow.

- Statement 2 is correct: Burn scars can also increase thunderstorms and the risk of lightning that could spark more fires in the surrounding region.

Source: [Article](#)

**Q.4) Sukhet's model** was recently seen in news. Which of the following statements correctly explains the model?

- a) This model allows people from dry land to cultivate water intensive crops through rain water harvesting.
- b) This model helps farmer to be the producer and seller of their products to consumers.
- c) This model helps women in rural areas to open common service centers in local areas there by increasing governance in rural areas and cater women empowerment.
- d) This model allows women to get their LPG cylinders refilled every two months for free in exchange for cow dung and farmyard waste.

**Correct Answer: D**

**Explanation:**

It is an initiative by Dr. Rajendra Prasad Central Agriculture University (RPAU) at Pusa.

It allows women to get their LPG cylinders refilled every two months in exchange for cow dung and farmyard waste.

Furthermore, it provides four-fold benefit: ensures a pollution-free environment at home, waste disposal, monetary assistance for LPG cylinders, and availability of organic fertilisers to the local farmers.

Read more: [Sukhet's villagers trade waste for wellness, get free LPG refills](#)

## 10 PM Compilation for the Month of September (Second Week), 2021

### Art and Culture - FESTIVALS, DANCE AND OTHERS – Others

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**Q.1) Buzurgon ki Baat – Desh Ke Saath** programme has been launched recently, which of the following is the aim of the programme?

- a) It aims at enhancing the youth knowledge about the wars India fought after independence to instill Patriotism.
- b) It aims to enhancing the interaction between the youth and the elder persons those who have spent around 18 years in India before independence.
- c) It aims to enhancing the interaction between the youth and the elder persons those who have lived during the time of Emergency in India.
- d) It aims to enhancing the interaction between the youth and the retired persons of Army.

**Correct Answer: B**

**Explanation:**

The Union Minister of Culture has launched a program named 'Buzurgon ki Baat – Desh Ke Saath'.

The programme aims at **enhancing the interaction between the youth and the elder** persons who are 95 years and above and thus have spent around 18 years in India before independence.

Read more: [Union Minister launches program 'Buzurgon ki Baat–Desh Ke Saath'](#)

**Q.2)** With reference to the **Thamirabarani civilization**, consider the following statements.

- 1. The civilization flourished in the modern-day Kerala.
- 2. The civilisation developed around the Porunai river.

**Which of the statements given above is/are correct?**

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

**Correct Answer: B**

**Explanation:**

A study has revealed that the Thamirabarani civilization in Tamil Nadu is at least 3,200 years old. **(Statement 1 is incorrect)**

The civilisation developed around the Thamirabarani river. The Thamirabarani is also called Porunai. So, it is also called Porunai river Civilisation. **(Statement 2 is correct)**

Encouraged by this finding, the Tamil Nadu Chief Minister has announced the establishment of the Porunai Museum in Tirunelveli at a cost of ₹15 crores.

Source: [Thamirabarani civilisation 3,200 years old](#)



## 10 PM Compilation for the Month of September (Second Week), 2021

### Bills, Acts and Regulations - Acts- Health

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**Q.1) With reference to Drugs & Cosmetics Act, 1940, consider the following statements:**

1. The Act clearly defines spurious, adulterated drugs and also misbranded drugs.
2. It also established the Central Drugs Standard Control Organization (CDSCO).

**Which of the statements given above is/are incorrect?**

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

**Correct Answer: D**

**Both statements are correct**

#### Explanation

#### **About the Drugs & Cosmetics Act, 1940**

- It is the central legislation that regulates India's drug and cosmetic import, manufacture, distribution and sale. The Act clearly **defines spurious drugs, adulterated drugs and misbranded drugs.**
- This also **established the Central Drugs Standard Control Organization (CDSCO).** The Act also establishes regulatory control over the manufacture and sale of drugs.
- The **State Health department** has to regulate the manufacturing, sales and distribution of drugs. **Drug Inspectors** will control the implementation at **ground level.**

**Source:** [Article](#)