

10 PM Current Affairs Quiz Compilation

8th to 13th August, 2022

PRELIMS

Q.1) with reference to Small Satellite Launch Vehicle (SSLV), consider the following statements

- 1) While SSLV is intended to put satellites into low earth orbit, PSLV puts satellites into higher earth orbits.
- 2) The turnaround time of SSLV is much lower than the PSLV.

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

Answer: b

Statement 1 is incorrect. SSLV-D1 mission would launch EOS-02, a 135 kg Satellite, into low earth orbit of about 350 km to the equator, at an inclination of about 37 degrees. The SSLV is completely different from the PSLV even though both are used for launching satellites into Low Earth Orbit.

Statement 2 is correct. While PSLV dominates SSLV in the above segments, the new rocket wins when it comes to turn-around time. Turn-around time means readying a rocket for the next launch and SSLV can be prepared and shifted to the launch pad in just over 72 hours, as against the two months required to prep the PSLV.

Q.2) Consider the following statements:

- 1) India's gross tax to GDP ratio has been less than 15% in the last 10 years
- 2) Indirect tax collection has been more than direct tax collection in the last 5 years.

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: a

Statement 1 is correct. India's tax to GDP ratio was 11.7% in 2021-22, which was atleast 23-year high.

Statement 2 is incorrect. India had been facing the criticism that indirect taxes are higher than direct taxes. However, in 2021-22, Direct taxes are 6.1% of GDP, and indirect taxes are 5.6%.

Q.3) Consider the following pairs:

Ports	Countries
1) Chittagong	Myanmar
2) Hambantota -	Sri Lanka
3) Gwadar	Afghanistan
4) Chabahar	Iran

Which of the above pairs is/are correctly matched?

- a) 2 and 4 only
- b) 1, 2 and 4 only
- c) 2, 3 and 4 only
- d) 1 and 4 only

Ans) a

Following is the correct match

1) Chittagong	Bangladesh
2) Hambantota -	Sri Lanka
3) Gwadar	Pakistan
4) Chabahar	Iran

Q.4) Consider the following statements regarding location of Taiwan:

- 1) Tropic of Capricorn goes through Taiwan.
- 2) Philippine sea, South China sea and East China sea are bordering Taiwan.

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

Statement 1 is incorrect. Tropic of cancer cut across Taiwan.

Statement 2 is correct.



10 PM Compilation for the Month of August, (Second Week) 2022

Q.6) With reference to minor minerals, consider the following statements;

1. Environmental clearance is compulsory for mining in areas.
2. Regulatory and administrative powers of minor minerals are entrusted exclusively to the Centre.

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

Answer: A

Statement 1 is correct: Earlier environmental clearance was compulsory for mining in areas more than or equal to five hectares. But the Environment Impact Assessment (EIA) Notifications have been amended in 2016 to make environmental clearance for mining in areas less than five hectares mandatory.

Statement 2 is incorrect: The regulatory and administrative powers to frame rules, prescribe rates of royalty, mineral concessions, enforcement, etc. are entrusted exclusively to the State governments.

Source: [The Hindu](#)

Q.7) Consider the following statements;

1. He discovered the basic principles of heredity and laid the mathematical foundation of the science of genetics.
2. His works have been unearthed and recognized posthumously.
3. He deduced that genes come in pairs and are inherited as distinct units, one from each parent.

Which of the following personality is described in the statements above?

- a) Charles Darwin
- b) Rachel Carson
- c) Gregor Mendel
- d) George Washington Carver

Answer: C

Source: [The Hindu](#)

Q.8) With reference to India Ki Udaan Project, consider the following statements;

1. It celebrates the achievements of India and is based on the theme 'Unwavering and undying spirit of India over these past 75 years'.
2. The project is executed by the Ministry of Civil Aviation.

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

Answer: A

Statement 1 is correct: It celebrates the achievements of India and is based on the theme 'Unwavering and undying spirit of India over these past 75 years'.

10 PM Compilation for the Month of August, (Second Week) 2022

The centrepiece of its celebrations is a new online collection titled "India Ki Udaan". It features India's rich cultural diversities, including iconic moments from the last 75 years.

Statement 2 is incorrect: The project is executed by the Google Arts and Culture.

Source: [NDTV](#)

Q.9) With reference to Small Satellite Launch Vehicles (SSLVs), consider the following statements;

1. The SSLV rocket usually places these satellites in an elliptical orbit which is stable due to the Earth's attraction force.
2. SSLV can enable a space launch from India every week.

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

Answer: B

Statement 1 is incorrect: The SSLV rocket usually places these satellites in a circular one. But the recent SSLV rocket placed these satellites in an elliptical orbit instead of a circular one. An elliptical orbit is the lowest orbit and is not stable due to the Earth's attraction force due to which the satellites could not stay in orbit and have already crashed. As a result, these satellites are no longer usable.

Statement 2 is correct:

Advantages of SSLV are,

1) Can be assembled within 72 hours by a team of just 5-6 people. **2)** It costs at least one-tenth of those currently in use. **3)** It can enable a space launch from India every week. **4)** It caters specifically to the small and micro satellites that constitute over 90% of all satellites being launched these days.

Source: [Business Standard](#)

Q.10) Which of the following is/are the impact of sand mining?

1. Increase in flood frequency.
2. Create losses to the state exchequer.
3. Affects the soil holding ability of the land.

Select the correct answer using the codes given below;

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

Answer: D

Illegal sand mining severely affects soil formation and the soil holding ability of the land, leading to a loss in marine life, an increase in flood frequency, droughts, and also degradation of water quality.

These effects can be seen in the beds of the Godavari, the Narmada, Yamuna and the Mahanadi basins.

In Narmada basin, sand mining has reduced the population of Mahseer fish from 76% between 1963 and 2015.

Apart from these, illegal mining can also create losses to the state exchequer. For instance, U.P. is losing revenue from 70% of mining activities as only 30% area is legally mined.

Source: [The Hindu](#)

PRELIMS

Q.1) Consider the following statements

- 1) India has second largest number of tribal people in any country.
- 2) Jharkhand has highest tribal population in India.
- 3) Santhal are the largest tribe of India.

Select the correct answer using the codes given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

Ans) c

Statement 1 is correct. India has the second largest concentration of tribal people in the world. Africa is the first in this regard.

Statement 2 is incorrect. As per the census 2011 of India, Madhya Pradesh has the highest tribal population in India.

Statement 3 is correct. The Santhal are the largest and one of the oldest tribes in India, They are spread across Assam, Bihar, Chhattisgarh, Jharkhand, Odisha and West Bengal.

Q.2) Recently approved draft GSR (general statutory rules) Notification, is intended to fulfil, which of the following purposes?

- 1) To assess crash safety of a vehicle
- 2) To increase exports of Indian vehicles
- 3) To assess the pollution level of a vehicle

Select the correct answer using the codes given below

- a) 1 and 2 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) All of the above

Ans) a

Options 1 and 2 are correct. Union Minister for Road, Transport and Highways Nitin Gadkari approved a Draft GSR (general statutory rules) Notification seeking comments on a proposal to introduce the Bharat New Car Assessment Program (Bharat-NCAP). It would accord vehicles a star rating based on their performance in crash tests. They are intended to increase the export-worthiness of vehicles and competition on safety parameters among manufacturers, as well as instil consumer confidence in their safety.

Option 3 is incorrect. There is no such proposal in the given proposal.

Q.3) Which of the following benefits of reforestation is correct?

- 1) Forests absorb carbon dioxide
- 2) Forests absorb volatile organic compounds (VOCs)
- 3) Forests lessen rural-to-urban migration

Answer using the codes given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

Ans) c

Statement 1 is correct. Influencing the carbon cycle and mitigating the effects of climate change. Annually, forests absorb roughly 2.6 billion tonnes of carbon dioxide. It is 33% of the total CO₂ released due to fossil fuel burning.

Statement 2 is incorrect. Trees and other plants produce hundreds to thousands of volatile organic compounds (VOCs). These carbon-based chemicals easily evaporate from a liquid or solid into air at much lower temperatures than most chemicals.

Statement 3 is correct. Agroforestry lessens rural-to-urban migration by increasing resources and household income.

Q.4) Consider the following statements regarding Forest Landscape Restoration:

- 1) It aims at regaining ecological functionality of the forest as well as improving human welfare by it.
- 2) The process focuses on introducing the best plants from around the world to make the existing forest better.

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

Ans) a

Statement 1 is correct. FLR is the process of **regaining ecological functionality and improving human welfare** on deforested or degraded forest landscapes.

Statement 2 is incorrect. This process ensures the diversity of the native tree species during plantation. As diversity results in more efficient carbon sequestering than monoculture tree plantations.

Q.5) With reference to North East Special Infrastructure Development Scheme, consider the following statements:

1. It is a Central Sector Scheme.
2. The scheme also covers projects related to social infrastructure relating to primary and secondary sectors of education and health.

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

Answer: c

Both statements are correct.

About NESIDS scheme:

- North East Special Infrastructure Development Scheme(NESIDS) was approved by the Government of India as a Central Sector Scheme in 2017.
- The scheme aims to fill up the gaps in creation of infrastructure in specified sectors in North east till March,2020.
- The scheme will cover the projects of (a)physical infrastructure relating to water supply, power and connectivity enhancing tourism and (b)Social infrastructure relating to primary and secondary sectors of education and health.
- The funds under the scheme will be distributed among eight North Eastern States on the basis of well-defined criteria on certain parameters such as area, population , Human Development Index, road density among others.

Q.6) With reference to Strategic Petroleum Reserves (SPRs), consider the following statements:

3. The International Energy Agency forbids trading of SPRs.
4. Japan has the highest global SPR capacity.

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

Answer: b

- **Statement 1 is correct:** The IEA forbids trading and typically allows release of stocks only during emergencies or supply shocks.
- **Statement 2 is incorrect:** USA has the highest global SPR capacity. Japan is at the second place and China is at the third position.

10 PM Compilation for the Month of August, (Second Week) 2022

Q.6) With reference to Peninsular Rock Agama, consider the following statements;

1. The Peninsular Rock Agama is a type of garden lizard that has a strong presence in southern India.
2. These are found mainly in rocky places and warm spots.

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

Answer: C

Statement 1 is correct: The Peninsular Rock Agama (*Psammophilus dorsalis*) is a type of garden lizard that has a strong presence in southern India.

Statement 2 is correct: A study has revealed that Rock Agama lizards are found mainly in rocky places and warm spots. Thus, the inference is that conservation efforts must point towards retaining rocky patches even while reviving landscapes by planting trees.

Source: [The Hindu](#)

Q.7) With reference to International Mobile Equipment Identity (IMEI), consider the following statements;

1. All mobile phones have a single IMEI number.
2. The IMEI number can help network providers track down a device in case it gets stolen or is lost.

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

Answer: B

Statement 1 is incorrect: IMEI is a unique number that is used to identify a device on a mobile network. It has 15 digits and is like a phone's unique identity.

When one uses the internet or places a call through their cellular service provider, then this number is used to verify the identity of the device. If the person has a dual SIM phone, then s/he will have two IMEI numbers, one for each slot.

Statement 2 is correct: The IMEI number can help network providers track down a device in case it gets stolen or is lost.

Source: [Indian Express](#)

Q.8) Exercise Vajra Prahar is a Joint Special Forces exercise between India and which of the following country?

- a) Canada
- b) Australia
- c) The USA
- d) Japan

Answer: C

Exercise Vajra Prahar is a [Special Forces](#) joint military training exercise.

Created with love ❤ by ForumIAS- the knowledge network for civil services.
Visit academy.forumias.com for our mentor based courses.

10 PM Compilation for the Month of August, (Second Week) 2022

It takes place alternately in India and the US since 2010.

Aim: To enable sharing of best practices and experiences in areas such as, joint mission planning capabilities and operational tactics.

Significance: The exercise is a significant step in strengthening the traditional bond of friendship between the special forces of both Nations as well as improve bilateral defence cooperation between India and the USA.

Source: [PIB](#)

Q.9) With reference to solar PV panel, consider the following statements;

1. It is mandatory to procure modules only from an approved list of manufacturers (ALMM) for projects that are connected to state/ central government grids.
2. Silicon wafer, the most expensive raw material, is manufactured completely 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

Answer: A

Statement 1 is correct: It is mandatory to procure modules only from an approved list of manufacturers (ALMM) for projects that are connected to state/ central government grids; so far, only India-based manufacturers have been approved.

Statement 2 is incorrect: Silicon wafer, the most expensive raw material, is not manufactured in India. More than 90% of the world's solar wafer manufacturing currently happens in China.

Source: [Indian Express](#)

Q.10) With reference to Medical Termination of Pregnancy (MTP), consider the following statements;

1. The MTP rules permit unmarried woman to terminate her pregnancy.
2. The Medical practitioners have to ascertain that continuance of the pregnancy would risk the life of the pregnant woman or substantial risk to the child if it is born.

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

Answer: B

Statement 1 is incorrect: The Medical Termination of Pregnancy Act, 1971 and its Rules, 2003 permit termination of pregnancies of up to 24 weeks in seven specific categories, including survivors of rape or sexual assault, minors, in case of physical disabilities and fetal malformation. These seven categories represent women who were “extremely vulnerable”. But it didn't permit unmarried woman to terminate her pregnancy.

The Supreme Court last week held that it will permit a 51-year-old unmarried woman to terminate her pregnancy. The judgement could have been cited in support of other women in a similar situation, but it didn't. So others would still have had to take the legal route, and wait upon the discretion of individual judges.

Statement 2 is correct: The act allows a woman to terminate her pregnancy within the first 12 weeks of pregnancy. After consulting an RMP (registered medical practitioner) woman can terminate her pregnancy.

The Medical practitioners have to ascertain that continuance of the pregnancy would risk the life of the pregnant woman or substantial risk (Physical or mental abnormalities) to the child if it is born.

Source: [The Hindu](#)

PRELIMS

Q.1) Consider the following statements

- 1) Energy Conservation Act, 2001 covers the issue of energy conservation in large residential buildings.
- 2) The concept of carbon trading was initiated by Kyoto Protocol at the global level.

Select the correct answer using the codes below:

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

Ans) b

Statement 1 is incorrect. The 2022 amendment Bill seeks to widen the scope of energy conservation to include large residential buildings as well. Till now, the energy conservation rules applied mainly on industrial and commercial complexes.

Statement 2 is correct. The Kyoto Protocol was the first vehicle for emissions trading in greenhouse gases—or what we will call carbon markets.⁴ Kyoto set up a system of emissions limits for a basket of six GHGs for developed countries, mechanisms for those developed countries to trade their emissions limits, and mechanisms for developed countries to offset their emissions by financing emissions reductions in developing countries.

Q.2) With reference to Electricity Distribution, consider the following statements regarding the concept of 'Open Access'

- 1) Concept of Open Access means a consumer cannot be stopped from getting an electricity connection.
- 2) Electricity Act, 2003 has the provision of Open Access.

Select the correct answer using the codes below:

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

Ans) b

Statement 1 is incorrect. Open Access means, electricity consumers now have the right to procure power from the supplier of their choice other than the distribution company that they were buying from.

Statement 2 is correct. The provision of Open Access is given in the sub-section 2, of section 42 of the Electricity Act 2003.

10 PM Compilation for the Month of August, (Second Week) 2022

Q.3) Which of the following statements best describes the concept of 'cross-subsidization':

- a) It means one group of consumers is charged a lower price compared to another group, using the finances earned by charging higher prices from the latter group.
- b) It means subsidizing the wrong beneficiary, instead of the original one.
- c) It means subsidizing the target beneficiary through the finances collected from same beneficiaries only.
- d) It means subsidizing an industry from the disinvestment in that particular industry.

Ans) a

Cross-subsidies in electricity tariff, therefore, can be defined as a mechanism whereby some consumer groups are charged a higher tariff as compared to the cost of supplying power to them. The additional revenue generated from them is used to tide over the revenue shortfall from other consumer groups, who are charged lesser tariff as compared to the cost of supplying power to them.

Q.4) Which of the following statements is incorrect?

- a) 1982 UN Convention for Law of the Seas permits unfettered freedom of navigation on the high seas
- b) In the 200-mile exclusive economic zone, there exists the conditional right of "innocent passage" for all vessels, excluding warships.
- c) Entry into foreign ports, especially for warships, has to be with prior consent.
- d) In wartime, the 1907 Hague Convention permits entry for warships of belligerents into neutral ports for limited durations.

Ans) b

The 1982 UN Convention for Law of the Seas permits unfettered freedom of navigation on the high seas and a foreign warship has as much right to be in the Indian Ocean as a similar Indian vessel would in the South China Sea. Even in the 200-mile exclusive economic zone, there exists the conditional right of "innocent passage" for all vessels, including warships.

Entry into foreign ports, especially for warships, has to be with prior consent. But even in wartime, the 1907 Hague Convention permits entry for warships of belligerents into neutral ports for limited durations. Given its cordial diplomatic relations, and its economic dependence on China, there could be no plausible reason for Sri Lanka to deny entry for Yuan Wang 5, especially into Hambantota on which China has a 99-year lease.

Q.5) Which of the following statements are correct regarding ichnites?

- 1) An ichnite is a type of trace fossil that preserves evidence of biological activity.
- 2) These are not part of an organism's body.

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

Ans) c

Both statements are correct. An ichnite is a type of trace fossil, which is a fossil that preserves evidence of biological activity but which is not part of an organism's body. Examples of trace

10 PM Compilation for the Month of August, (Second Week) 2022

fossils are footprints (ichnites), burrows, and root cavities. Coprolites and other fossilized bodily excretions are also often considered trace fossils.

Q.6) Which of the following is/are the advantages of Ocean thermal energy conversion?

1. It can produce energy at all times.
2. It produces clean, environmentally friendly renewable energy.
3. It can work in all the regions of the world.

Select the correct answer using the codes given below;

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

Answer: C

Ocean thermal energy conversion(OTEC) is a process or technology for producing energy by harnessing the temperature differences (thermal gradients) between ocean surface waters and deep ocean waters.

Advantages of OTEC: Two of the biggest advantages of OTEC are: **1)** It produces clean environmentally friendly renewable energy and **2)** Unlike solar plants which can't work at night and wind turbines which only work when it's windy, OTEC can produce energy at all times.

Disadvantages of OTEC: The disadvantages are that **a)** It is economically expensive and **b)** It only works in a few regions of the world as the required temperature difference is only present in tropical waters.

Source: [DTE](#)

Q.7) With reference to Soil Mapping, consider the following statements;

1. It is the process of delineating natural bodies of soils, classifying and grouping the delineated soils into map units.
2. It can reduce wastage when applying fertilizers and increase their effectiveness.

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

Answer: C

Statement 1 is correct: It is the process of delineating natural bodies of soils, classifying and grouping the delineated soils into map units.

Statement 2 is correct: It will reduce wastages when applying fertilizers and increase their effectiveness. Further, it will enhance the understanding of what types of nutrients our soils and crops need.

Source: [DTE](#)

10 PM Compilation for the Month of August, (Second Week) 2022

Q.8) With reference to Exercise Skylight, consider the following statements;

1. The exercise aims to test combat readiness of armed forces in North Eastern States.
2. It is conducted by Indian Army.

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

Answer: B

Statement 1 is incorrect: It aims to test the operational readiness and robustness of its satellite communication systems in the event of an attack by an adversary.

Statement 2 is correct: It is conducted by Indian Army.

Source: [The Hindu](#)

Q.9) Enhanced Access and Service Excellence(EASE) programme is related to which of the following?

- a) Governance initiatives in government hospitals.
- b) Increasing educational access in tribal areas
- c) Providing access to Public Sector Banks (PSBs)
- d) Improving access to public wifi facilities

Answer: C

Enhanced Access and Service Excellence(EASE) is a common reform agenda for Public Sector Banks (PSBs).

It is aimed at institutionalizing clean lending, better customer service, simplified and enhanced credit and robust governance and HR practices.

Source: [Business Standard](#)

Q.10) With reference to National Register of Citizens, consider the following statements;

1. The register was first prepared after the 1951 Census of India.
2. It has been updated only in Assam and Kerala.

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

Answer: A

Statement 1 is correct: The register was first prepared after the 1951 Census of India

Statement 2 is incorrect: It has been updated in Assam only for now and the government plans to update it nationally as well.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to Chit Funds, consider the following statements:

- 1) Chit Funds are unregulated in India.
- 2) Cost of borrowings under Chit Funds are decided under an agreement, at the beginning.

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

Ans) d

Statement 1 is incorrect. Chit Funds are not unregulated in India. These are the legal entities, registered with and regulated by, the state governments under the Chit Funds Act of 1982. However, these funds are not regulated by RBI.

Statement 2 is incorrect. The cost of borrowing and the return to savers depend on the bidding process, it is uncertain, varies for each participant, and can be calculated only ex-post. It is calculated as the winning bid plus the commission of the chit fund intermediary, which is currently around 5% of the full lump-sum amount, divided by the number of participants.

Q.2) Consider the following statements

- 1) Mandal Commission was the first commission set up in the matter of Backward Classes.
- 2) At present, states and centre have different lists with respect to OBCs, while the same list for SCs and STs.

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

Ans) b

Statement 1 is incorrect. The second Backward Classes Commission known as the Mandal Commission, gave its report in 1980.

Statement 2 is correct. Currently, for each state, there are two OBC lists — from the state and the Centre. The SCs and STs “with respect to any State or Union Territory” have only one list and one status at the state and central levels.

10 PM Compilation for the Month of August, (Second Week) 2022

Q.3) Which of the following statements is correct regarding 15th Finance Commission?

- 1) It recommended share of states in the central taxes for the 2021-26 period to be 41%.
- 2) The share recommended by commission was more than the 14th Finance Commission's recommendation.

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

Ans) a

Statement 1 is correct. The share of states in the central taxes for the 2021-26 period is recommended to be 41%, same as that for 2020-21.

Statement 2 is incorrect. The share is less than the 42% share recommended by the 14th Finance Commission for 2015-20 period.

Q.4) Which one of the following does not include in the divisible pool for devolution of revenue to the states?

- a) Cesses and surcharges
- b) Estate duties
- c) Union Excise duties
- d) Income tax

Ans) a

Explanation:

The share of states in Central taxes would differ from the FC recommendations since the latter applies to 'divisible pool' comprising of total central taxes excluding revenue from cesses and surcharges, cost of collection, and certain earmarked taxes.

Q.5) Consider the following pairs,

Famous arts/crafts	-	Associated States
1. Gulabi Meenakari	-	Uttar Pradesh
2. Dokra art	-	Bihar
3. Kullu Shawl	-	Arunachal Pradesh
4. Aranmula Kannadi	-	Kerala

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

Answer: B

Famous arts/crafts	-	Associated States
1) Gulabi Meenakari	-	Uttar Pradesh
2) Dokra art	-	Chhattisgarh
3) Kullu Shawl	-	Himachal Pradesh
4) Aranmula Kannadi	-	Kerala

Q.6) SMILE-75 Initiative is launched for which of the following objective?

- a) To celebrate India's 75th Independence with socio-economically backward sections.
- b) To make cities/towns and municipal areas begging-free.
- c) To make India slum free before 2030.
- d) To create primary health centers in tribal areas.

Answer: B

SMILE 75 initiative was launched with the aim to make cities/towns and municipal areas begging-free and make a strategy for comprehensive rehabilitation of the persons engaged in the act of begging through the coordinated action of various stakeholders.

Source: [PIB](#)

Q.7) Which of the following statements is/are true about Electromagnetic Field(EMF)?

1. Electromagnetic fields are a combination of invisible electric and magnetic fields of force.
2. These fields are produced only by natural sources.
3. Electromagnetic fields are present everywhere in the environment.

Select the correct answer using the codes given below;

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

Answer: C

Electromagnetic fields are a combination of invisible electric and magnetic fields of force. Electromagnetic fields are present everywhere in the environment but are invisible to the human eye.

Natural Sources: Electric fields are produced by the local build-up of electric charges in the atmosphere associated with thunderstorms. The earth's magnetic field causes a compass needle to orient in a North-South direction and is used by birds and fish for navigation.

Human-made sources: It includes medical equipment using static fields (e.g. MRI), electric appliances using low frequency electric and magnetic fields (50/60 Hz), and various wireless, telecommunications and broadcasting equipment using high radio frequency electromagnetic fields.

Source: [PIB](#)

Q.8) With reference to Audio Visual Co-production Treaty, consider the following statements;

1. These are enabling documents which facilitate the co-production of films between both countries.
2. India has signed audio-visual co-production treaties with more than one country.

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

Answer: C

10 PM Compilation for the Month of August, (Second Week) 2022

Statement 1 is correct: These are enabling documents which facilitate the co-production of films between both countries.

Statement 2 is correct: India has so far signed 15 audio-visual co-production treaties with other countries.

Source: [The Hindu](#)

Q.9) With reference to Endemic disease, consider the following statements;

1. In endemic, there will be a constant presence and/or usual prevalence of a disease or infectious agent.
2. Endemic disease will present all over the world in all 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

Answer: A

Statement 1 is correct: The term endemic refers to the constant presence and/or usual prevalence of a disease or infectious agent in a population within a particular geographic area.

Statement 2 is incorrect: These diseases are present in a set population of people or geographic region of the world.

Source: [The Hindu](#)

Q.10) With reference to Henipaviruses, consider the following statements;

1. These are less harmful viruses that have a case fatality rate of less than 1.
2. Mojiang and the Ghanaian bat virus are a type of Henipaviruses.

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

Answer: B

Statement 1 is incorrect: Henipaviruses belong to the family of paramyxoviruses. They can cause severe illness in animals and humans and are classified as biosafety level 4 (BSL4) pathogens with case fatality rates between 40-75%.

Statement 2 is correct: The types of Henipaviruses that had been identified till now include Hendra, Nipah, Cedar, Mojiang and the Ghanaian bat virus.

According to US CDS, the Cedar virus, Ghanaian bat virus and Mojiang virus are not known to cause human disease. But Hendra and Nipah infect humans and can cause fatal illness.

Source: [The Hindu](#)

PRELIMS

Q.1) which of the following is/are part of Market Infrastructure Institutions (MII)?

1. Stock exchanges
2. Depositories
3. Mutual Fund distributors

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 only

Answer: A

According to the Bimal Jalan Committee (2010), these institutions are systemically important for the country's financial development and serve as the infrastructure necessary for the securities market. For example, Stock exchanges, depositories and clearing houses.

Q.2) With reference to co-location, consider the following statements:

1. Co-location allows brokers to operate closer to their servers upon payment of additional fees.
2. Co-location increases latency while executing trade.

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

Answer: A

Statement 1 is correct: Co-location allows brokers to operate closer to their servers upon payment of additional fees.

Statement 2 is incorrect: It helps brokers secure an advantage over others due to proximity to exchange servers as data transmission takes less time. Hence, colocation reduce latency, or delay in computing terms, while executing trades.

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

1. It is a folk dance performed at festivals, conferences, roadshows and primarily at rain goddess festivals.
2. The dance is famous in regions around Karnataka and Andhra Pradesh.
3. The performers balance a pot on their head.

Which of the statements given above is/are correct?

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

Answer: D

10 PM Compilation for the Month of August, (Second Week) 2022

Statement 1 is correct: Karakattam is a form of folk dance performed at festivals, conferences, and roadshows and primarily at Mariamman (rain goddess) festivals.

Statement 2 is incorrect: Karakattam is mostly famous in Tamil Nadu, it's performed in different parts of Kerala as well.

Statement 3 is correct: Both men and women perform the dance on the muddy ground. The performers balance a pot on their head.

Q.4) Hermetic Wiper was recently seen in the news. The term is related to which of the following?

- a) New bird species found in Western Ghats
- b) Data-wiper malware detected on computers in Ukraine.
- c) New supercomputer of Meta
- d) New digital currency that has the potential to replace bitcoins

Answer: B

Ukraine has found that hundreds of its computers have been attacked by a data-wiper malware named Hermetic Wiper. It is a data-wiper malware that was detected on hundreds of computers in Ukraine.

This malware when downloaded can erase all the data on a device it targets in a manner that renders the data irretrievable.

The malware is also capable of attacking data recovery tools on a system and the rebooting system of a hard drive, making it difficult for the device to reboot into its operating system essentially making it inoperable.

Q.5) Which of the following advantages are associated with 5 g technology?

- 1. Enhance employment opportunities.
- 2. Low latency
- 3. Enhanced network coverage

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 only

Answer: D

Major advantages of 5G technology includes,

Low latency: It is one of the most important features of 5G technology which is significant for autonomous driving and mission critical applications. 5G networks are capable of latency less than a millisecond. This help in logistics improvement and would reduce overall cost of goods and services.

Employment generation: 5G wireless technology will open greater opportunity for new device manufactures and application developers. New VoIP devices and smart devices will be introduced in the market and thus more job opportunities as well. This will help in inclusive growth reaping demographic dividend.

10 PM Compilation for the Month of August, (Second Week) 2022

Enhanced network coverage: Device-to-device communication techniques will further enhance network performance and support during limited access or absence of mobile networks. This will help in reducing digital gap in India.

Enhanced Security: 5G wireless technology is one the best solution for security surveillance due to higher bandwidth and unlicensed spectrum. It will enhance better coordination among various agencies.

Logistics and shipping: Logistic and shipping industry can make use of smart 5G technology for goods tracking, fleet management, centralized database management, staff scheduling and real-time delivery tracking and reporting.

Q.6) With reference to Virtual and digital currencies, consider the following statements;

1. Virtual currencies are regulated currencies.
2. Cryptocurrencies are digital currencies that use cryptography to secure and verify transactions in a network.
3. Digital currency is a form of currency that is available only in digital or electronic form.

Select the correct answer using the codes given below;

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

Answer: B

Statement 1 is incorrect: Virtual currencies are unregulated digital currencies controlled by developers or a founding organization consisting of various stakeholders involved in the process.

Statement 2 is correct: Cryptocurrencies are digital currencies that use cryptography to secure and verify transactions in a network.

Statement 3 is correct: Digital currency is a form of currency that is available only in digital or electronic form.

Source: [Business Standard](#)

Q.7) With reference to Butterfly Mines, consider the following statements;

1. The 'Butterfly mine' has earned a reputation for being particularly attractive to children.
2. These mines are difficult to detect because they are made of plastic and can evade metal detectors.

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

Answer: C

Statement 1 is correct: The 'Butterfly mine' has earned a reputation for being particularly attractive to children because it looks like a coloured toy. It is very sensitive to touch and just the act of picking it up can set it off.

Statement 2 is correct: These mines are difficult to detect because they are made of plastic and can evade metal detectors.

Source: [Indian Express](#)

Q.8) India's National Multidimensional Poverty Index (MPI) has been released by which of the following organisation?

- a) National Sample Survey Organisation
- b) Central Statistical Organisation (CSO)
- c) NITI Aayog
- d) Ministry of Rural development

Answer: C

Niti Aayog has released India's first National MPI (multidimensional poverty index). The index is based on the findings of the fourth National Health Family Survey (2015-16).

This index calculated the poverty ratio on the basis of three dimensions of MPI– health, education, and standard of living — with each having a weighting of one-third in the index.

Source: [The Hindu](#)

Q.9) With reference to Gold Exchange Traded Funds(ETFs), consider the following statements;

- 1. They are passive investment instruments that are based on gold prices and invest in gold bullion.
- 2. Investors will invest more when there is a fall in gold prices.

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

Answer: A

Statement 1 is correct: They are passive investment instruments that are based on gold prices and invest in gold bullion.

Statement 2 is incorrect: Gold Exchange Traded Funds(ETFs) witnessed a net outflow of Rs 457 crore in July as investors parked their money in other asset classes as part of their portfolio rebalancing strategy. The significant Gold ETFs outflows seem to have risen out of investors' expectations of a rising interest rate cycle leading to a fall in gold prices.

Source: [Indian Express](#)

10 PM Compilation for the Month of August, (Second Week) 2022

Q.10) With reference to Criminal Procedure (Identification) Act, 2022, consider the following statements;

1. All the convicted persons must provide his/her biological samples under the Act without any exceptions.
2. The National Crime Records Bureau (NCRB) will be the repository of physical and biological samples, signatures and handwriting data.

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

Answer: B

Statement 1 is incorrect: The Act states that except for those accused of offences committed against a woman or a child, or for any offence punishable with imprisonment for a period that is not less than seven years, a person accused of any other offence can refuse to allow the taking of his biological samples under the Act.

– Even if such data is collected from the accused, it can be destroyed from the records unless a magistrate in writing directs otherwise.

Statement 2 is correct: The National Crime Records Bureau (NCRB) will be the repository of physical and biological samples, signatures and handwriting data that can be preserved for at least 75 years.

Source: [The Hindu](#)

PRELIMS

Q.1) Agasthiyarmalai Elephant Reserve is located in which of the following state?

- a) Kerala
- b) Tamil Nadu
- c) Maharashtra
- d) Goa

Answer: B

On World Elephant Day, the Union Environment Ministry has declared a new elephant reserve called Agasthiyarmalai Elephant Reserve. Agasthiyarmalai Elephant Reserve is located in Tamil Nadu.

Agasthiyarmalai will be the 5th elephant reserve in Tamil Nadu and the 32nd elephant reserve in India.

Source: [TOI](#)

Q.2) With reference to Boundary Commissions for the partition of Punjab and Bengal, consider the following statements;

1. Sir Cyril John Radcliffe headed both the commissions.
2. The boundary commissions of Punjab and Bengal included two nominees each from the Indian National Congress and Muslim League respectively.

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

Answer: C

In 1947, Sir Cyril John Radcliffe, a British lawyer was made the Chairman of two boundary commissions of Punjab and Bengal. He was given the task to draw up the new borders of India and Pakistan.

The boundary commissions of Punjab and Bengal also included two nominees each from the Indian National Congress and Muslim League respectively.

Source: [Indian Express](#)

Q.3) Exercise Udarashakti is a bilateral air force exercise between India and which of the following country?

- a) Singapore
- b) Malaysia
- c) Myanmar
- d) Sri Lanka

Answer: B

It is a bilateral air force exercise between India and Malaysia.

Purpose: The exercise will give a chance to both countries to share and learn best practices and an opportunity for both to discuss mutual combat capabilities.

10 PM Compilation for the Month of August, (Second Week) 2022

– The exercise will witness different aerial combat exercises between the two air forces to augment security in the region and to help in strengthening defense cooperation between the two countries.

Other Exercises between India and Malaysia

Exercise Harimau Shakti: It is a bilateral joint military exercise between India and Malaysia.

Source: [The Hindu](#)

Q.4) Which of the following factor/s is/are responsible for increased rain in Northeastern India?

1. La Nina conditions in the Pacific
2. Positive Indian Ocean Dipole (IOD) in the Indian Ocean
3. Strong winds over Bay of Bengal

Select the correct answer using the code given below:

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

Answer: C

Statement 1 is correct and 2 is incorrect: The ongoing La Nina conditions in the Pacific, in combination with a negative Indian Ocean Dipole (IOD) in the Indian Ocean, has increased the intensity of the floods. This is because this condition strengthens the winds that blow from the southwest to the northeast (Southwesterlies) in the Bay of Bengal.

Statement 3 is correct: The winds over the Bay of Bengal have been exceptionally strong for a week. These strong winds carry a lot of moisture, dumping them as rains over Bangladesh and Northeast India.

Q.5) Bhore Committee which was seen in news recently, is related to which of the following?

- a) Analyzing the impact of National Education Policy.
- b) Remodeling of health services in India.
- c) Enhancing India's bio diversity.
- d) Enlarging food subsidy and its allocation.

Answer: B

Bhore committee, 1946, also known as the Health Survey & Development Committee, was appointed in 1943 with Sir Joseph Bhore as its Chairman.

It made comprehensive recommendations for remodeling of health services in India. The report, submitted in 1946, had some important recommendations like:-

1. Integration of preventive and curative services of all administrative levels.
2. Development of Primary Health Centres in 2 stages: short and long term measures.

Source: [Indian Express](#)

10 PM Compilation for the Month of August, (Second Week) 2022

Q.6) With reference to Chronic Fatigue Syndrome, consider the following statements;

1. It is a serious and debilitating disease that affects the nervous system, the immune system and the body's production of energy.
2. The disease is completely curable.

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

Answer: A

Statement 1 is correct: Chronic Fatigue Syndrome is also known as myalgic encephalomyelitis (ME/CFS).

It is a serious and debilitating disease that affects the nervous system, the immune system and the body's production of energy.

Statement 2 is incorrect: As of yet, there is no specific cure or approved treatment. Instead, doctors recommend ways to deal with the symptoms of the disease such as 'pacing' in which patients learn to balance rest and activity to prevent crashes caused by exertion.

Source: [Indian Express](#)

Q.7) With reference to the national flag, consider the following statements

1. The flag must always be a rectangle rather than a square or any other shape.
2. A person can use the national flag as a portion of a costume or uniform.
3. A damaged flag can be burnt in private.

Select the correct answer using the codes given below;

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

Answer: C

Statement 1 is correct: The flag can be as big or small as one wants but the ratio of the length to the height (width) of the National Flag shall be 3:2. So, the flag must always be a rectangle rather than a square or any other shape.

Statement 2 is incorrect: A person is forbidden by law to use the national flag as a portion of a costume or uniform.

Statement 3 is correct: The flag should not be stored in a way that might dirty or damage it. In case the flag is damaged, the Flag Code instructs the person not to cast it aside or treat it disrespectfully but destroy it as a whole in private, preferably by burning or by any method consistent with the dignity of the flag.

Source: [Indian Express](#)

10 PM Compilation for the Month of August, (Second Week) 2022

Q.8) Which of the following subsidies are considered as positive externalities?

1. Spending on Education by government.
2. Providing subsidised cooking gas.
3. Providing Televisions to homes.

Select the correct answer using the codes given below;

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

Answer: C

Economists call few freebies positive externalities; i.e. they have a public utility that goes beyond the benefit to the individual user.

For instance, **a)** spending on Education, welfare payments, and highways all are called as positive externalities, **b)** Mid-day meals in schools improved school attendance and enhanced child health and reduced the birth rate dramatically. **c)** Other schemes and programs such as the construction of free lavatories, providing subsidised cooking gas.

Source: [Business Standard](#)

Q.9) With reference to Partners in the Blue Pacific(PBP) initiative, consider the following statements;

1. It is an “informal mechanism” to support Pacific islands and to boost diplomatic, and economic ties in the pacific region.
2. It was launched by Russia and China.

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

Answer: A

Statement 1 is correct: It is an “informal mechanism” to support Pacific islands and to boost diplomatic, and economic ties in the pacific region.

Statement 2 is incorrect: It was launched by US, Australia, New Zealand, Japan and the United Kingdom

Source: Indian Express

10 PM Compilation for the Month of August, (Second Week) 2022

Q.10) With reference to India's Research and Development spending, consider the following statements;

1. India's R&D spending is increased in the past decade with respect to India's GDP.
2. India has the lowest gross domestic expenditure on R&D (GERD) among BRICS countries.

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

Answer: B

Statement 1 is incorrect: India's R&D spending has decreased from 0.8% of GDP in 2008-09 to 0.7% in 2017-18.

Statement 2 is correct: India has the lowest gross domestic expenditure on R&D (GERD) among BRICS countries; GERD for Brazil, Russia, China, and South Africa are 1.2 per cent, 1.1 per cent, over 2 per cent, and 0.8 per cent, respectively. The global average is 1.8 per cent.

Source: [Business Standard](#)