

10 PM Current Affairs Quiz Compilation

21st to 26th August, 2023

*THIS IS A MONTHLY DOCUMENT CONTAINING ALL MCQS ASKED IN 10 PM
CURRENT AFFAIRS QUIZ BY FORUMIAS.*

10 PM Compilation for the Month of August [Fourth Week] 2023

PRELIMS

Q.1) Consider the following statements:

1. National Super Computing Mission (NSM) aims to connect research and academic institutions to a supercomputing grid all over the country.
2. Pratyush supercomputer is installed at the Indian Institute of Tropical Meteorology.
3. Supercomputers are primarily used to process and analyze data at speeds comparable to standard desktop computers, making them a convenient choice for routine tasks.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. NSM aims to connect research and academic institutions to a supercomputing grid all over the country. Pratyush supercomputer is installed at the Indian Institute of Tropical Meteorology. It is a Cray XC40 machine.

Statement 3 is incorrect. Supercomputers are high-performance computing systems designed to handle complex calculations, simulations, and data analysis tasks at incredibly fast speeds, often used for scientific research, engineering simulations, weather forecasting, and other compute-intensive applications.

Source: [ForumIAS](#)

Q.2) With reference to 3D Printing, consider the following statements:

1. 3D printing is also known as subtracting manufacturing.
2. It uses a subtractive process where layers of material are gradually removed from a solid block, resulting in the creation of intricate designs.
3. 3D printing is being used in different industries like healthcare, automobile and aerospace.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. 3D printing is also known as additive manufacturing. It is a process that builds three-dimensional objects by adding material layer by layer based on a digital design.

Statement 3 is correct. 3D printing is being used in different industries like healthcare, automobile and aerospace.

Source: [ForumIAS](#)

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Q.3) The Reserve Bank of India (RBI) has issued a fresh set of guidelines for banks and other regulated entities (REs) on the imposition of penalties on loan borrowers. With reference to these guidelines, consider the following statements:

1. As per RBI guidelines, penalties incurred due to default on interest payments or non-compliance of material terms and conditions of a loan contract by the borrower will now be recorded as 'penal interest' rather than 'penal charges'.
2. Penal charges will not be added to the principal outstanding amount and they will be imposed separately.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. According to RBI guidelines, penalties charged for default on interest payments or non-compliance of material terms and conditions of loan contract by the borrower would now be accrued as 'penal charges' instead of 'penal interest'.

Statement 2 is correct. As per the guidelines, there shall be no capitalisation of penal charges, that is, it shall be levied separately and not be added to the principal outstanding amount.

Source: [ForumIAS](#)

Q.4) With reference to Pradhan Mantri Jan-Dhan Yojana (PMJDY) consider the following statements:

1. PMJDY accounts come with a range of essential banking services, including the issuance of a RuPay debit card, passbook, and checkbook.
2. It encourages people to invest in high-risk stocks and speculative financial ventures.
3. The scheme also focuses on enhancing financial literacy and awareness among account holders.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. PMJDY accounts come with a range of essential banking services, including the issuance of a RuPay debit card, passbook, and checkbook. The scheme also focuses on enhancing financial literacy and awareness among account holders.

Statement 2 is incorrect. There is no such aim of the scheme.

Source: [ForumIAS](#)

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Q.5) With reference to Innovative Bio-Trace Minerals Project, consider the following statements:

1. It is an initiative aimed at exploring and harnessing the potential of trace minerals in preventing heart attacks.
2. The project also contributes to the circular economy by repurposing silkworm pupae meal, reducing waste from the silk industry.
3. This project aligns with the goals of the National Livestock Mission.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. The project aims to revolutionize the manufacturing of bio-trace minerals for animal feed particularly targeting the livestock and poultry/dairy sectors. These minerals are essential for animals' health.

Statements 2 and 3 are correct. The project also contributes to the circular economy by repurposing silkworm pupae meal, reducing waste from the silk industry. This project aligns with the goals of the National Livestock Mission.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Self-Help Group (SHG) is a voluntary association of the economically poor, usually drawn from the same socio-economic background, and who resolve to come together for a common purpose of solving their issues and problems through self-help and community action.
2. Lakhpati Didi Scheme aims to empower women by providing financial assistance to deserving candidates, helping them achieve financial independence and stability.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. SHG is a voluntary association of the economically poor, usually drawn from the same socio-economic background, and who resolve to come together for a common purpose of solving their issues and problems through self-help and community action.

Statement 2 is incorrect. Lakhpati Didi Scheme aims to provide skill development training to women to encourage them to establish micro-enterprises so that they can earn at least Rs 1 lakh annually.

Source: [ForumIAS](#)

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Q.7) Recently, the WHO South-East Asia Region has adopted Gandhinagar Declaration. The declaration is related to –

- a) Developing vaccines for future pandemics.
- b) Tackling malnutrition amongst children.
- c) Accelerating efforts to end tuberculosis by 2030.
- d) Supporting India in establishing world class health facilities.

Answer: C

Explanation – The WHO South-East Asia Region has committed to further accelerate efforts to end tuberculosis by 2030 with member countries adopting the Gandhinagar Declaration.

Source: [ForumIAS](#)

Q.8) With reference to the Mediation Bill 2021, consider the following statements:

1. The Bill has reduced the mediation period.
2. It has transformed the pre-litigation mediation from obligatory to voluntary.

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The Mediation Bill 2021 has reduced the mediation period from 180 to 90 days. It has transformed the pre-litigation mediation from obligatory to voluntary.

Source: [ForumIAS](#)

Q.9) With reference to the BRICS grouping, consider the following statements:

1. BRICS countries account for a substantial portion of the world's GDP and trade volume.
2. BRICS is seen as a geopolitical force that aims to reform global institutions, challenge existing power dynamics, and address the concerns of developing nations on international platforms.
3. The New Development Bank (NDB) was established by BRICS member countries with an emphasis on providing funding for space exploration projects.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Statements 1 and 2 are correct. BRICS countries account for a substantial portion of the world's GDP and trade volume. BRICS is seen as a geopolitical force that aims to reform global institutions, challenge existing power dynamics, and address the concerns of developing nations on international platforms.

Statement 3 is incorrect. The New Development Bank (NDB) is also known as the BRICS Bank. It was established by BRICS member countries, focuses on financing infrastructure and

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sustainable development projects in emerging economies, providing an alternative to traditional lending institutions like the World Bank and the International Monetary Fund.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. As per 2011 census, tribals constitute 8.6% of the country's total population.
2. The responsibility of managing the birth and death registration lies with the central government.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. As per 2011 census, tribals constitute 8.6% of the country's total population.

Statement 2 is incorrect. The responsibility of managing the birth and death registration lies with state governments.

Source: [ForumIAS](#)

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PRELIMS

Q.1) Consider the following statements:

1. Public Tech Platform for Frictionless Credit is an end-to-end digital platform that will have an open architecture, open Application Programming Interfaces (APIs), and standards to which all banks can connect in a "plug and play" model.
2. Under frictionless credit, individuals need to go through extensive paperwork, credit checks and lengthy approval procedures before getting loan.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Public Tech Platform for Frictionless Credit is an end-to-end digital platform that will have an open architecture, open Application Programming Interfaces (APIs), and standards to which all banks can connect in a "plug and play" model.

Statement 2 is incorrect. Unlike the traditional credit systems, where individuals need to go through extensive paperwork, credit checks and lengthy approval procedures, frictionless credit promises a smoother and faster experience.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Incredible India campaign aims to raise awareness about India's One District One Product (ODOP) initiative among the G20 countries.
2. Wedding Tourism Campaign aims to showcase India as a premier wedding destination globally.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Incredible India campaign was launched by the Ministry of Tourism in the year 2002 to promote tourism in India to other countries' populations.

Statement 2 is correct. Wedding Tourism Campaign aims to showcase India as a premier wedding destination globally. This campaign was launched as part of Incredible India Initiative.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Debt-for-nature swaps mean that a country in debt promises to do things to help the environment in exchange for getting more debt.
2. A debt-for-nature swap can be multi-party or bilateral.
3. Debt-for-nature swaps often involve partnerships between governments, non-governmental organizations (NGOs), international conservation organizations, and financial institutions.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Debt-for-nature swaps allow heavily indebted developing countries to seek help from financial institutions in the developed world with paying off their debt if they agree to spend on conservation of natural resources. Usually banks in developed countries buy the debts of such countries and replace them with new loans which mature later. These have lower interest rates.

Statements 2 and 3 are correct. A debt-for-nature swap can be multi-party or bilateral. Debt-for-nature swaps often involve partnerships between governments, non-governmental organizations (NGOs), international conservation organizations, and financial institutions.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. For hydrogen to be labeled as 'green,' it must have well-to-gate emissions of no more than two kg of carbon dioxide (CO₂) equivalent per kg of hydrogen (H₂).
2. Renewable Energy Promotion Association (REPA) will be the nodal authority for accreditation of agencies for the monitoring, verification and certification for green hydrogen production projects.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. For hydrogen production to be labeled as 'green,' it must have well-to-gate emissions of no more than two kg of carbon dioxide (CO₂) equivalent per kg of hydrogen (H₂).

Statement 2 is incorrect. The Bureau of Energy Efficiency (BEE) under the Ministry of Power will be the nodal authority for accreditation of agencies for the monitoring, verification and certification for green hydrogen production projects.

Source: [ForumIAS](#)

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Q.5) With reference to Luna 25 Mission, consider the following statements:

1. It aimed to execute a pinpoint landing near the moon's south pole, a region that has garnered scientific interest due to its potential for revealing critical insights into the moon's geological composition.
2. The mission was launched by Russia.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Luna 25 Mission aimed to execute a pinpoint landing near the moon's south pole, a region that has garnered scientific interest due to its potential for revealing critical insights into the moon's geological composition. The mission was launched by Russia.

Source: [ForumIAS](#)

Q.6) Consider the following statements with reference to the Indian Pharmacopoeia Commission (IPC):

1. It is a private organization that focuses on maximizing profits for pharmaceutical companies.
2. It promotes rational use of generic medicines by publishing National Formulary of India.
3. It also provides IP Reference Substances (IPRS) which act as a fingerprint for identification of an article under test and its purity as prescribed in IP.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. IPC is an autonomous institution of the Ministry of Health and Family Welfare. It is created to set standards of drugs in the country. Its basic function is to regularly update the standards of drugs commonly required for treatment of diseases prevailing in this region.

Statements 2 and 3 are correct. IPC also promotes rational use of generic medicines by publishing National Formulary of India. It also provides IP Reference Substances (IPRS) which act as a fingerprint for identification of an article under test and its purity as prescribed in IP.

Source: [ForumIAS](#)

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Q.7) With reference to the Chief Election Commissioner and Other Election Commissioners (Appointment, Conditions of Service and Term of Office) Bill 2023, consider the following statements:

1. The Bill states that the CEC and other ECs will be appointed by the President on the recommendation of a Selection Committee.
2. The Search Committee will be headed by the Prime Minister of India.
3. The Selection Committee may also consider candidates who have not been included in the panel prepared by the Search Committee.
4. Under the Bill, the CEC and other ECs are eligible for re-appointment.

How many of the above statements are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. The Bill states that the CEC and other ECs will be appointed by the President on the recommendation of a Selection Committee. The Selection Committee may also consider candidates who have not been included in the panel prepared by the Search Committee.

Statements 2 and 4 are incorrect. A Search Committee will prepare a panel of five persons for the consideration of the Selection Committee. The Search Committee will be headed by the Cabinet Secretary. Under the Bill, the CEC and other ECs will not be eligible for re-appointment.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. India contributes less than 2.5% to global merchandise trade and less than 4% to world services trade.
2. India has fully adopted capital account convertibility.
3. 60% of international banking deposits and loans are done in dollars.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. India contributes less than 2.5% to global merchandise trade and less than 4% to world services trade. 60% of international banking deposits and loans are in dollars.

Statement 2 is incorrect. India hasn't fully adopted capital account convertibility, limiting the rupee's use in global financial transactions.

Source: [ForumIAS](#)

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Q.9) Consider the following statements:

1. Intense heat and stagnant air increase the amount of ozone pollution and particulate matter.
2. Currently, the National Action Plan on Climate Change (NAPCC's) eight National Missions do not include a health-related mission.
3. National Disaster Management Plan (NDMP) of 2019 takes a comprehensive and well-structured approach to addressing the intersection of climate and health challenges in India.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: C

Explanation –

Statements 1, 2 and 3 are correct. Intense heat and stagnant air increase the amount of ozone pollution and particulate matter. Currently, the National Action Plan on Climate Change (NAPCC's) eight National Missions do not include a health-related mission. NDMP of 2019 takes a comprehensive and well-structured approach to addressing the intersection of climate and health challenges in India.

Source: [ORF](#)

Q.10) Consider the following statements with reference to changing name of the state:

1. Under Article 3 of the Indian Constitution, the Parliament has the authority to modify the name of a state.
2. A bill to alter the state's name cannot be introduced in Parliament without a President's recommendation.
3. The opinions or recommendations provided by the State Legislature regarding the Bill are enforceable against the President or the Parliament.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Under Article 3 of the Indian Constitution, the Parliament has the authority to modify the name of a state. A bill to alter the state's name cannot be introduced in Parliament without a President's recommendation.

Statement 3 is incorrect. The opinions or recommendations provided by the State Legislature regarding the Bill are not enforceable against the President or the Parliament.

Source: [DNA](#)

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PRELIMS

Q.1) With reference to Side Channel Attacks (SCAs) consider the following statements:

1. Acoustic Side Channel Attacks (ASCA) uses the sound of clicks generated by a keyboard to analyze keystrokes and interpret what is being typed to leak sensitive information.
2. A side-channel attack involves exploiting software vulnerabilities to gain unauthorized access to a computer system's sensitive data.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. ASCA uses the sound of clicks generated by a keyboard to analyze keystrokes and interpret what is being typed to leak sensitive information.

Statement 2 is incorrect. A side-channel attack involves exploiting unintended physical or indirect signals, such as timing, power consumption, or electromagnetic emissions, to gather sensitive information from a computer system. It is a method of hacking a cryptographic algorithm based on the analysis of auxiliary systems used in the encryption method.

Source: [ForumIAS](#)

Q.2) With reference to G20 Pandemic Fund, consider the following statements:

1. Its purpose is to finance critical investments to strengthen pandemic prevention, preparedness, and response capacities at national, regional, and global levels, focusing on low- and middle-income countries.
2. The World Bank hosts the fund, with WHO providing technical leadership.
3. The fund was established under Italy's G20 Presidency.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. The purpose of G20 pandemic fund is to finance critical investments to strengthen pandemic prevention, preparedness, and response capacities at national, regional, and global levels, focusing on low- and middle-income countries. The World Bank hosts the fund, with WHO providing technical leadership.

Statement 3 is incorrect. The G20 Pandemic Fund was established under Indonesia's G20 Presidency.

Source: [ForumIAS](#)

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Q.3) With reference to ASEAN-India Trade in Goods Agreement (AITIGA) consider the following statements:

1. It aims to promote trade and economic cooperation by reducing or eliminating tariffs on services traded between the member countries.
2. Recently, India's trade deficit with ASEAN countries has increased.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. AITIGA agreement covers trade in physical goods and products. It does not apply to trade in services.

Statement 2 is correct. The trade deficit between India and ASEAN countries has widened to \$43.57 billion in the last financial year.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. The Far Side of the Moon is a term used to describe the side of the Moon that is always facing the Earth, receiving constant sunlight and visibility.
2. Tidal locking occurs when the rotational period of the celestial body matches its orbital period around its gravitational partner.
3. It takes exactly 28 days for the Moon to complete one rotation.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. The far side of the Moon, also known as the "dark side" of the Moon, refers to the side of the Moon that is not visible from Earth. The term "dark side" can be misleading because it doesn't necessarily mean that this side is always in darkness. It experiences day and night like the near side but is not visible to us from Earth.

Statements 2 and 3 are correct. Tidal locking occurs when the rotational period of the body matches its orbital period around its gravitational partner. The most familiar example of tidal locking is the Moon, which is tidally locked to Earth. This is why we always see the same side of the Moon from Earth. It takes exactly 28 days for the Moon to complete one rotation and the same time to make one orbit around Earth.

Source: [ForumIAS](#)

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Q.5) With reference to Hangul, consider the following statements:

1. The population of Hangul species has increased by 10%.
2. It is categorized as Critically Endangered in the IUCN Red List.
3. It is a species of Peony (*Paeonia* spp.), a type of flowering plant commonly found in the Himalayan region.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statements 1 and 2 are correct. The population of Hangul species has increased by 10%. It is categorized as Critically Endangered in the IUCN Red List.

Statement 3 is incorrect. Hangul is the state animal of Jammu & Kashmir. It is subspecies of Central Asian red deer endemic to Kashmir and surrounding areas.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. The National Science Foundation (NSF) is a non-profit organization in India that supports fundamental research and education in the medical fields of science and engineering.
2. The Ministry of Electronics and Information Technology (MeitY)-NSF research collaboration aims to advance discoveries and innovations in areas of mutual interest like semiconductor research, communication systems, cybersecurity, green technologies, and transportation systems.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. NSF is an independent agency of the US government that supports fundamental research and education in all the non-medical fields of science and engineering.

Statement 2 is correct. MeitY-NSF research collaboration aims to advance discoveries and innovations in areas of mutual interest like semiconductor research, communication systems, cybersecurity, green technologies, and transportation systems.

Source: [ForumIAS](#)

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Q.7) Consider the following statements:

1. Indian Council of Social Science Research (ICSSR) provides grants for projects, fellowships, international collaboration, capacity building, surveys, publications to promote research in social sciences in India.
2. The National Social Science Documentation Centre (NASSDOC) focuses on promoting artistic and cultural activities in India.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. ICSSR provides grants for projects, fellowships, international collaboration, capacity building, surveys, publications to promote research in social sciences in India.

Statement 2 is incorrect. NASSDOC was established in 1969 as a constituent unit of the Indian Council of Social Science Research (ICSSR). The objective of the NASSDOC is to provide library and information support services to social science researchers.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. The chapter on fundamental duties was added in the Constitution after extensive deliberations within the Constituent Assembly.
2. The Court delivered the concept of the basic structure with a large majority of the judges supporting it.

Select the correct statements using the codes given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. The chapter on fundamental duties was added in the Constitution by 42nd Amendment Act of the Constitution in 1976 as Article 51A. When the Kesavananda verdict was delivered in April 1973, it carried a narrow majority of 7-6.

Source: [ForumIAS](#)

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Q.9) With reference to the World Bank Group (WBG) consider the following statements:

1. Its main objective is to foster global monetary cooperation, stability, and facilitate international trade.
2. It offers policy advice based on global best practices.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Its primary aim is to offer financial and technical support for development initiatives in developing nations. This includes reducing poverty, enhancing economic growth, and elevating living standards.

Statement 2 is correct. WBG offers policy advice based on global best practices. Such as, sharing cross-country experiences to aid policy decisions in developing countries.

Source: [ForumIAS](#)

Q.10) With reference to the Production-Linked Incentive (PLI) scheme, consider the following statements:

1. The PLI scheme is a financial initiative launched by the Indian government to boost domestic manufacturing and make it globally competitive.
2. It also provides financial incentives to companies for reducing their environmental impact and adopting eco-friendly practices.
3. Under the Scheme, companies will get incentives on incremental sales from products manufactured in domestic units.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. The PLI scheme is a financial initiative launched by the Indian government to boost domestic manufacturing and make it globally competitive. Under the Scheme, companies will get incentives on incremental sales from products manufactured in domestic units.

Statement 2 is incorrect. There is no such aim of the scheme.

Source: [ForumIAS](#)

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PRELIMS

Q.1) With reference to Bharat New Car Assessment Programme (Bharat NCAP) consider the following statements:

1. It aims to provide a tool to the car customers to make a comparative assessment of crash safety of motor vehicles available in the market.
2. The programme will be applicable to passenger vehicles with not more than eight seats in addition to the driver's seat with gross vehicle weight not exceeding 3,500 kg.
3. Vehicles will receive a rating from one to five stars after evaluating their fuel efficiency and interior design.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Bharat NCAP aims to provide a tool to the car customers to make a comparative assessment of crash safety of motor vehicles available in the market. The programme will be applicable to passenger vehicles with not more than eight seats in addition to the driver's seat with gross vehicle weight not exceeding 3,500 kg.

Statement 3 is incorrect. A rating from one star to five stars will be assigned to a vehicle after an evaluation of three parameters — adult occupant protection, child occupant protection, and safety assist technologies present in the car.

Source: [ForumIAS](#)

Q.2) With reference to Irregular Galaxy, consider the following statements:

1. ESO 300-16 is an irregular galaxy.
2. An irregular galaxy is a galaxy that does not have a distinct regular shape, unlike a spiral or an elliptical galaxy.
3. Irregular galaxies lack gas and dust which prevents them from facilitating the creation of new stars.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. ESO 300-16 is an irregular galaxy. It is made of many tiny stars all clumped together, surrounded in a diffuse light. An irregular galaxy is a galaxy that does not have a distinct regular shape, unlike a spiral or an elliptical galaxy.

Statement 3 is incorrect. Irregular galaxies may hold significant amounts of gas and dust – essential ingredients for making new stars.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Whitefly-transmitted geminiviruses cause epidemics in vegetable, staple, and fiber crops.
2. A shortage of nitrogen in plants can result in whiteflies disease.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Whitefly-transmitted geminiviruses cause epidemics in vegetable, staple, and fiber crops. Whiteflies damage plants by sucking out plant juices.

Statement 2 is incorrect. Using too much nitrogen can lead to more whitefly problems. While nitrogen is good for plants, overusing it can attract whiteflies and cause more infestations.

Source: [ForumIAS](#)

Q.4) With reference to the BRICS grouping, consider the following statements:

1. It is a coalition comprising over 40% of the world's population and accounting for a quarter of the global GDP.
2. It attempts to serve as a bridge between the Global North and Global South.
3. It was founded to further strengthen the dominance of the western world over institutions of global governance and weaken multilateralism.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. BRICS grouping It is a coalition comprising over 40% of the world's population and accounting for a quarter of the global GDP. It attempts to serve as a bridge between the Global North and Global South.

Statement 3 is incorrect. BRICS was founded on the desire to end the domination of the western world over institutions of global governance (IMF, World Bank, UN) and strengthen multilateralism.

Source: [ForumIAS](#)

10 PM Compilation for the Month of August [Fourth Week] 2023

Q.5) Consider the following statements:

1. Demon Particle is weightless, neutral, and doesn't interact with light.
2. The Demon Particle was first theorized by David Pines.
3. The Demon Particle could lead to the making of superconductors that can operate at room temperature.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are correct. Demon is a “composite” particle made up of a combination of electrons, in a solid. It is weightless, neutral, and doesn't interact with light. The Demon Particle was first theorized by David Pines. The Demon Particle could lead to the making of superconductors that can operate at room temperature.

Source: [ForumIAS](#)

Q.6) With reference to the Hubble Space Telescope, consider the following statements:

1. It is the largest optical telescope ever launched into space.
2. It is located in the Medium Earth Orbit.
3. The Hubble constant, calculated using the Hubble Space Telescope, measures how fast the universe is expanding.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statements 1 and 3 are correct. Hubble Space Telescope is the largest optical telescope ever launched into space. It has been launched by NASA in partnership with ESA. One of Hubble's most significant contributions is its role in measuring the rate of expansion of the universe, known as the Hubble constant. This measurement has helped refine our understanding of the age of the universe and its evolution.

Statement 2 is incorrect. Hubble Space Telescope is located in the Low Earth orbit.

Source: [ForumIAS](#)

10 PM Compilation for the Month of August [Fourth Week] 2023

Q.7) Piripkura tribes are found in –

- a) India
- b) Brazil
- c) South Africa
- d) Nigeria

Answer: B

Explanation – The Piripkura tribe is a small and indigenous tribe from the Mato Grosso region of Brazil. The tribe is known for their extreme isolation and efforts to maintain its traditional way of life.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Section 8(3) of Representation of People Act, 1951 suggests that upon a conviction with a two-year sentence, a sitting member/legislator gets disqualified from the conviction date.
2. The House's Secretariat, to which the member belongs, has the power to decide that a member is disqualified immediately upon being convicted by a court of law.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Section 8(3) of Representation of People Act, 1951 suggests that upon a conviction with a two-year sentence, a sitting member gets disqualified from the conviction date.

Statement 2 is incorrect. The House's Secretariat, to which the member belongs, does not have the power to announce that a member is disqualified immediately upon being convicted by a court of law.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. The Employment Rate for any specific population or age group provides insight into the proportion of that age group or population that is employed.
2. India ranks among the countries with one of the lowest female labor force participation rates globally.

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The Employment Rate for any specific population or age group provides insight into the proportion of that age group or population that is employed. India ranks among the countries with one of the lowest female labor force participation rates globally.

Source: [ForumIAS](#)

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PRELIMS

Q.1) With reference to the National Curriculum Framework for School Education (NCF-SE) consider the following statements:

1. It is the curriculum framework for the 5+3+3+4 design of schooling as proposed by the National Education Policy 2020.
2. The framework sets clear learning standards and competencies, enabling teachers to foster critical thinking, creativity, and genuine understanding.
3. The National Education Policy (NEP) 2020 and the NCFs, based on the education policy, are binding on the states.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. NCF-SE is the curriculum framework for the 5+3+3+4 design of schooling as proposed by the National Education Policy 2020. The framework sets clear learning standards and competencies, enabling teachers to foster critical thinking, creativity, and genuine understanding.

Statement 3 is incorrect. National Education Policy (NEP) 2020 and the NCFs, based on the education policy, are not binding on the states.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Soft landing involves crashing a spacecraft onto a celestial body without causing any damage.
2. Chandrayaan-1 mission indicated the presence of substantial amounts of ice molecules in the deep craters of south pole region of the moon.
3. India has become the third country globally to make a soft landing on the lunar surface.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 3 are incorrect. Soft landing refers to the controlled descent and subsequent touchdown of a spacecraft on the lunar surface without causing significant damage to either the craft or its scientific instruments. India has become the fourth country after the erstwhile USSR, the U.S. and China to make a soft landing on the lunar surface.

Statement 2 is correct. Chandrayaan-1 mission indicated the presence of substantial amounts of ice molecules in the deep craters of south pole region of the moon.

Source: [ForumIAS](#)

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Q.3) With reference to SeamlessM4T, consider the following statements:

1. It is an advanced technology platform designed to streamline and enhance various aspects of manufacturing processes for greater efficiency and productivity.
2. It performs the entire translation task in one go, unlike other large translation models that divide translation across different systems.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. SeamlessM4T is the first all-in-one multilingual multimodal AI translation and transcription model. It aims to allow people to communicate effortlessly through speech and text across different languages. It has been launched by Meta.

Statement 2 is correct. It performs the entire translation task in one go, unlike other large translation models that divide translation across different systems.

Source: [ForumIAS](#)

Q.4) With reference to Astra Missile, consider the following statements:

1. It is used for ground-to-ground attacks and has been widely used in naval operations.
2. The Missile has been developed by the Defence Research and Development Organisation (DRDO).
3. The missile has all-weather day and night capability.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Astra Missile is an indigenously developed air-to-air missile by India. It is designed to be launched from fighter aircraft to engage and destroy hostile aircraft at various ranges.

Statements 2 and 3 are correct. The Missile has been developed by the DRDO. The missile has all-weather day and night capability.

Source: [ForumIAS](#)

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Q.5) Consider the following statements:

1. Methylovibrio buryatense 5GB1C is a bacterial strain that consumes methane.
2. Methanotrophs are a type of marine algae known for their ability to produce large amounts of methane, contributing to the greenhouse effect.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Methylovibrio buryatense 5GB1C is a bacterial strain that consumes methane. It is a type of Methanotrophs that consume low methane (500 ppm) at significantly higher rates.

Statement 2 is incorrect. Methanotrophs are a unique group of microorganisms that possess the remarkable ability to metabolize methane as their primary source of carbon and energy.

Source: [ForumIAS](#)

Q.6) With reference to Advisory board on Banking and Financial Frauds (ABBFF) consider the following statements:

1. It has been constituted by the Reserve Bank of India (RBI).
2. It consists of the Chairman and four other members.
3. The tenure of both Chairman and members is two years.
4. Its objective is to conduct regular analyses of frauds within the financial system and provide inputs, if necessary, to the RBI for shaping policies concerning fraud prevention.

How many of the above statements are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. The board has been constituted by the Central Vigilance Commission (CVC).

Statements 2, 3 and 4 are correct. The board consists of the Chairman and four other members. The tenure of both Chairman and members is two years. Its objective is to conduct regular analyses of frauds within the financial system and provide inputs, if necessary, to the RBI and CVC for shaping policies concerning fraud prevention.

Source: [ForumIAS](#)

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Q.7) With reference to the Lunar Polar Exploration Mission (LUPEX) consider the following statements:

1. It aims to obtain knowledge regarding the existence of Martian water-ice resources.
2. It is a joint mission of Japan Aerospace Exploration Agency (JAXA) and Indian Space Research Organisation (ISRO).
3. Lunar Electrostatic Dust EXperiment (LEDEX), an instrument of the LUPEX, aims to detect and quantify water-ice mixed with lunar soil, achieving in-situ detection and measurement of water content.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are incorrect. LUPEX aims to obtain knowledge regarding the availability of lunar water-ice resources. LEDEX aims to detect the presence of charged dust particles and to confirm the dust levitation process in the volatile-rich polar region, and to estimate approximate dust size and flux of charged, levitated dust particles.

Statement 2 is correct. LUPEX is a joint mission of Japan Aerospace Exploration Agency (JAXA) and Indian Space Research Organisation (ISRO).

Source: [ForumIAS](#)

Q.8) Consider the following statements with reference to Light Combat Aircraft (LCA) Tejas:

1. It is a heavy cargo transport aircraft used for humanitarian aid missions.
2. The Tejas is known for its agility, advanced avionics, and indigenous design and technology.
3. Tejas was developed by the Hindustan Aeronautics Limited (HAL) for the Indian Air Force (IAF) and Indian Navy.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. It is a type of fighter aircraft developed by India. It is a single-seat, single-engine, multi-role fighter designed to meet the needs of the Indian Air Force and Indian Navy.

Statements 2 and 3 are correct. The Tejas is known for its agility, advanced avionics, and indigenous design and technology. Tejas was by the with Hindustan Aeronautics Limited (HAL) for the Indian Air Force (IAF) and Indian Navy.

Source: [ForumIAS](#)

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Q.9) With reference to the Payloads of Chandrayaan-3, consider the following statements:

1. Chandra's Surface Thermo Physical Experiment (ChaSTE) will study the electrons and ions near the surface of the moon and how they change over time.
2. Alpha Particle X-ray Spectrometer (APXS) will measure the lunar quakes near the landing site and study the composition of the Moon's crust and mantle.

Select the correct statements using the codes gives below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. ChaSTE will study the thermal properties of the lunar surface near the polar region. APXS will determine the composition of elements such as magnesium, aluminum, silicon, potassium, calcium, titanium, and iron in the lunar soil and rocks.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Africa has 30% of global mineral reserves, 12% of oil, and 8% of natural gas.
2. The Business-20 (B20) Action Council was formed by African nations to promote economic collaboration among countries in the Global South.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Africa has 30% of global mineral reserves, 12% of oil, and 8% of natural gas.

Statement 2 is incorrect. The Business-20 (B20) Action Council was formed by India. The council aligns with India's vision for heightened participation of Africa in the Global South. Through the B20 Action Council, India aids in crafting recommendations for regional economic integration in Africa.

Source: [ForumIAS](#)

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Q.1) With reference to Pragyan Rover, consider the following statements:

1. It is equipped with two payloads.
2. Pragyan has a mission life of two lunar days.
3. Pragyan Rover has two Navigation cameras fitted in the front of the rover to navigate the Rover in the lunar terrain.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Pragyan Rover is equipped with two payloads: APXS or ‘Alpha Particle X-Ray Spectrometer’ and the LIBS or ‘Laser Induced Breakdown Spectroscope’. Pragyan Rover has two Navigation cameras fitted in the front of the rover to navigate the Rover in the lunar terrain: NAVCAM-Left & NAVCAM -Right.

Statement 2 is incorrect. Pragyan has a mission life of 1 lunar day, approximately equal to 14 Earth days. This will be the period over which the rover will try to fulfill its objectives.

Source: [ForumIAS](#)

Q.2) With reference to Fujiwhara effect, consider the following statements:

1. It is a weather phenomenon that involves the interaction between a tropical cyclone and a high-pressure system, causing them to merge and form a superstorm.
2. Cyclone Absorption can happen in the Fujiwhara effect.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. The Fujiwhara effect is a meteorological phenomenon where two nearby tropical cyclones interact with each other, influencing their paths and intensities.

Statement 2 is correct. The most common outcome of the Fujiwhara effect is the rotation of the two cyclones around a common midpoint, as if they are performing a dance. This rotation can lead to a variety of scenarios: Cyclone Orbiting (two cyclones can orbit each other for a certain period), Cyclone Merging (the cyclones can merge into a single, larger storm), Cyclone Absorption (the larger or stronger cyclone can absorb the smaller or weaker cyclone).

Source: [ForumIAS](#)

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Q.3) Which of the following phenomenon is associated with the positive Indian Ocean Dipole (IOD)?

- Warmer sea surface temperatures in the western Indian Ocean relative to the east.
- Easterly wind anomalies across the Indian Ocean and less cloudiness to Australia's northwest.
- Less rainfall over southern Australia.
- All of the above

Answer: D

Explanation – A positive IOD will have warmer sea surface temperatures in the western Indian Ocean relative to the east, easterly wind anomalies across the Indian Ocean and less cloudiness to Australia's northwest and less rainfall over southern Australia.

Source: [ForumIAS](#)

Q.4) With reference to the Next-Generation Photonic Analog-to-Digital Converters (NG-PADC) consider the following statements:

- NG-PADC can achieve high-resolution conversions, preserving the fidelity of the analog signal in the digital domain.
- These are mechanical devices that use levers to convert mechanical motion into digital data.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. NG-PADC can achieve high-resolution conversions, preserving the fidelity of the analog signal in the digital domain.

Statement 2 is incorrect. NG-PADC are advanced devices used to convert analog signals, such as radio frequency (RF) or optical signals, into digital form. These converters leverage photonic technologies to achieve high-speed, high-resolution, and energy-efficient analog-to-digital conversion.

Source: [ForumIAS](#)

Q.5) Consider the following statements:

- The testing protocols adopted by the Bharat New Car Assessment Programme (Bharat NCAP) are modelled on the U.S. NCAP.
- Car Testing helps determine the export-worthiness of cars.
- Under the Stockholm Declaration, India has committed to reducing the number of road traffic deaths and injuries by 50 percent by 2030.

Which of the statements given above is/are correct?

- 1 and 2 only
- 2 only
- 2 and 3 only
- 3 only

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Answer: C

Explanation –

Statement 1 is incorrect. The testing protocols adopted by the Bharat NCAP are modelled on the Global NCAP, which is a project of the U.K.-based NGO, Towards Zero Foundation.

Statements 2 and 3 are correct. Car Testing helps determine the export-worthiness of cars. When cars pass rigorous tests, it makes them more attractive to international markets, boosting the country's automotive exports. Under the Stockholm Declaration, India has committed to reducing the number of road traffic deaths and injuries by 50 percent by 2030.

Source: [ForumIAS](#)

Q.6) With referenced to Defense Acquisition Council (DAC) consider the following statements:

1. It is responsible for making crucial decisions regarding new policies and capital acquisitions for all the three-armed services of India.
2. The council is chaired by the Chief of Defence Staff (CDS).

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. DAC is responsible for making crucial decisions regarding new policies and capital acquisitions for all the three-armed services of India.

Statement 2 is incorrect. The Council is chaired by the Minister of Defence.

Source: [ForumIAS](#)

Q.7) With reference to National Medical Commission (NMC) consider the following statements:

1. The commission gives accreditation to medical schools in India.
2. It is an Indian advisory body.
3. It has taken the position of the Medical Council of India (MCI).

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. NMC gives accreditation to medical schools in India. It has replaced the Medical Council of India.

Statement 2 is incorrect. It is a regulatory body.

Source: [ForumIAS](#)

10 PM Compilation for the Month of August [Fourth Week] 2023

Q.8) Consider the following statements with reference to the developments made in India:

1. India has focused primarily on improving human infrastructure like education and skills, while neglecting the development of physical infrastructure.
2. There has been a lack of focus on infrastructure development in Tier II cities which have the potential to generate 70% of new jobs in the coming future.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. India has focused heavily on improvement of physical infrastructure but has fallen behind on human infrastructure like education and skills.

Statement 2 is correct. There has been a lack of focus on infrastructure development in Tier II cities which have the potential to generate 70% of new jobs in the coming future.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. India possesses 1% of global vehicles but accounts for 11% of road crash fatalities.
2. Car testing within the framework of Bharat New Car Assessment Programme (Bharat NCAP) will incur higher costs compared to the Global NCAP.

Select the correct answer from the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. According to a World Bank report, India possesses 1% of global vehicles but accounts for 11% of road crash fatalities, costing 3% to 5% of GDP annually.

Statement 2 is incorrect. Car testing under Bharat New Car Assessment Programme (Bharat NCAP) will be cheaper than the Global NCAP.

Source: [ForumIAS](#)

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Q.10) Consider the following statements:

1. Changes in the Arctic climate can influence India's economic security, water security, and sustainability.
2. The Northern Sea Route (NSR) is the shortest shipping route for freight transportation between Europe and Asia-Pacific countries.

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Changes in the Arctic climate can influence India's economic security, water security, and sustainability. NSR is the shortest shipping route for freight transportation between Europe and Asia-Pacific countries.

Source: [ForumIAS](https://forumias.com)