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SIMPLIFYING IAS EXAM PREPARATION

INSTA STATIC QUIZ QUESTIONS

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1. Polity

- 1) For filing Public Interest Litigation (PIL), the Supreme Court invokes which of the following jurisdiction?
- Appellate jurisdiction
 - Advisory Jurisdiction
 - Writ Jurisdiction
 - Original Jurisdiction
- 2) Consider the following statements regarding President's rule that is imposed under Article 356 of the Constitution.
- It cannot be imposed without the written recommendation of the Governor of the concerned state.
 - Every proclamation of President's rule must be approved by both the houses of Parliament within a stipulated time.
- Which of the above statements is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
- 3) Consider the following statements
- The office of governor of a state is considered as an employment under the Central government.
 - The governor is indirectly elected by a specially constituted electoral college same like president.
- Which of the above statements is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
- 4) Consider the following statements regarding the President's address in the Parliament.
- In India, the practice of the President addressing Parliament can be traced back to the Government of India Act of 1919.
 - President's address is the only occasion in the year when the entire Parliament come together.
 - In the past, there are instances where the President's speech is delivered by the Vice president discharging the functions of the President.
- Which of the above statements is/are correct?
- 1, 2
 - 1, 3
 - 2, 3
 - 1, 2, 3
- 5) Consider the following statements regarding Public Account of India.
- Public Account of India accounts for flows for those transactions where the Union government acts as a banker.
 - It includes state provident funds and small savings deposits.
 - Expenditures from Public Account of India require the approval of the parliament.
- Which of the above statements is/are correct?
- 1, 3
 - 1, 2
 - 2 only
 - 2, 3
- 6) Consider the following statements regarding Department-Related Standing Committees (DRSC).
- The Department-Related Standing Committees (DRSC) are reconstituted every year by both the Presiding Officers of Parliament in consultation with the respective parties and the government.
 - The constitution has made it mandatory for the members to attend the committee meetings since it scrutinises key legislations.
 - The committees of the Lok Sabha are more in number than Rajya Sabha.
- Which of the above statements is/are correct?
- 1, 2
 - 1, 3
 - 2, 3
 - 1, 2, 3
- 7) The Article 19(2) of the Constitution of India imposes restrictions on free speech under which of the following situations?
- Interests of the sovereignty and integrity of India
 - For friendly relations with foreign states
 - Preventing incitement to the commission of an offence
- Select the correct answer code:
- 1, 2
 - 1, 3
 - 2, 3
 - 1, 2, 3
- 8) Consider the following statements.

1. According to the Constitution of India, the Governor shall from time to time summon the House or each House of the Legislature of the State to meet at such time and place as he thinks fit.

2. The Governor always has to act on the aid and advice of the cabinet and cannot decide on his or her own on summoning the House.

Which of the above statements is/are correct?

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

9) Consider the following statements regarding Indian Citizenship Act, 1955.

1. According to the Act, any Indian citizen who acquires foreign citizenship ceases to be an Indian citizen.

2. The Act specifies the procedure required for termination of Indian citizenship in case of acquisition of foreign citizenship.

3. Some of the provisions of the law does not apply when India is at war with any country.

Which of the above statements is/are correct?

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

10) Consider the following statements regarding the Sessions of Parliament in India.

1. India does have a fixed parliamentary calendar.

2. The summoning of Parliament is based on the provisions of the Government of India Act, 1935.

3. By convention, Parliament meets for three sessions in a year.

Which of the above statements is/are correct?

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

2. Geography

1) Consider the following statements.

1. Fog is a phenomenon of small droplets remaining suspended in the air.

2. Western disturbances along the extreme northern India inhibits the development of fog over Delhi-Haryana-Punjab belt.

3. Clear sky conditions accompanied by calm winds during the day allows the fog to persist for longer than normal duration.

Which of the above statements is/are correct?

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

2) Consider the following statements regarding Droughts.

1. Drought is the consequence of a natural reduction in the amount of precipitation over an extended period of time, usually a season or more in length.

2. Drought is often associated with high winds, high temperatures and high relative humidity.

3. Agricultural Drought occurs when available soil moisture is inadequate for healthy crop growth and cause extreme stress and wilting.

Which of the above statements is/are correct?

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

3) Consider the following statements regarding Alaknanda River.

1. The Alaknanda rises in the Satopanth glacier.

2. Alaknanda is met at Devprayag by the Dhaulti Ganga.

3. Nandakini, Pindar, Mandakini and Bhagirathi are the tributaries of Alaknanda River.

Which of the above statements is/are correct?

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

4) Consider the following stages of Coal formation.

- 1. Peat deposits
- 2. Bituminous coal
- 3. Lignite
- 4. Anthracite coal

Arrange the above in chronological order

- a) 1-2-3-4
- b) 1-3-4-2
- c) 1-3-2-4
- d) 1-4-3-2

5) The ocean has several micronutrients like nitrates, sulphates and silicates, minerals like iron ore and zinc, and trace metals like cadmium

or copper. Trace metals are supplied to oceans via

1. Continental run-offs
2. Atmospheric deposition
3. Hydrothermal activities
4. Continental shelf interaction

Select the correct answer code:

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

3. Economy

1) Consider the following statements regarding Bound rates or Bound Tariffs.

1. Bound rate is the maximum rate of duty (tariff) that can be imposed by the importing country on an imported commodity.

2. Bound rate agreed for any commodity at WTO is same for all the members of WTO.

Which of the above statements is/are incorrect?

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

2) With reference to the government expenditure in India, which of the following constitutes Transfer Payments?

1. The Interest payments made to foreign countries on loans taken.
2. The payments which are made by the government to its employees.
3. The payments which are made as financial aid in a social welfare programme.

Select the correct answer code:

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

3) A share repurchase or buyback is a decision by a company to purchase its own stock from the market. Such a move may lead to

1. It tends to increase the price of remaining shares.
2. It reduces the number of outstanding shares of the company.

3. It is often undertaken when the company's shares are undervalued.

Select the correct answer code:

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

4) Internal and Extra Budgetary Resources (IEBR) sometimes seen in news is

- a) Monetization of deficit through Forex Reserves
- b) Resources raised by the PSUs through loans and equity.
- c) Financing received from IFC Masala bonds
- d) Basel III Capitalization of Commercial Banks

5) Consider the following statements regarding Special Drawing Right (SDR).

1. The Special Drawing Right (SDR) is a non-interest bearing international reserve asset created by the IMF.

2. The value of the SDR is not directly determined by supply and demand in the market, but is set daily by the IMF

3. It can be held and used by member countries, private entities or individuals.

Which of the above statements is/are correct?

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

6) The Scheduled Commercial Bank's NPAs can be recovered through which of the following channels?

1. SARFAESI Act
2. *Debts Recovery Tribunals* (DRTs)
3. Lok Adalats
4. *Insolvency and Bankruptcy Code (IBC)*

Select the correct answer code:

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

7) Consider the following statements regarding Monetary Policy.

1. The Reserve Bank of India (RBI) is vested with the responsibility of conducting monetary policy under the provisions of Agreement on Monetary Policy Framework Act.

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2. The primary objective of monetary policy is to maintain price stability and achieve growth.

3. The inflation target is set by the Reserve Bank of India in consultation with Government of India, once in every five years.

Which of the above statements is/are correct?

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

8) The actual liabilities of the Union government include which of the following

- 1. Borrowings by PSUs
- 2. Loans taken for the recapitalisation of banks
- 3. Capital expenditures of various Ministries.

Select the correct answer code:

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

9) Consider the following statements regarding Primary deficit.

- 1. The primary deficit is the sum of Fiscal deficit and interest payments.
- 2. It shows the net increase in the government's indebtedness due to the current year's fiscal operations.
- 3. It includes the burden of the past debt.

Which of the above statements is/are correct?

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

10) With reference to Union Budget, which of the following is/are covered under Capital receipts?

- 1. Funds from Public Provident Fund
- 2. Interest and dividend on government investment
- 3. Disinvestment
- 4. Revenue from Income tax

Select the correct answer code:

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

11) Hard currency is usually preferred because

- 1. It is seen as politically and economically stable.

2. It is not likely to depreciate or appreciate suddenly.

3. It is widely accepted around the world as a form of payment for goods and services.

Select the correct answer code:

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

12) Printing currency is usually the last resort for the government in managing its deficit. This is because

- 1. Government expenditure using this new money boosts incomes and raises private demand in the economy, thus leading to inflation.
- 2. Excess supply of rupee will cause its depreciation.

Select the correct answer code:

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

13) Consider the following statements.

- 1. The GDP calculates India's national income by adding up all the expenditures in the economy.
- 2. Gross Value Added (GVA) is not considered while measuring national income.
- 3. If the government earned more from taxes than what it spent on subsidies, GVA will be higher than GDP.

Which of the above statements is/are correct?

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

14) Which of the following is/are the measures to control the inflation?

- 1. Increasing the GST rates on commodities
- 2. Increasing the transfer payments
- 3. Increase in government stimulus packages

Select the correct answers code:

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

15) Consider the following statements.

- 1. When an economy goes through a phase of high inflation, there are chances that the unemployment rate will fall.

2. High inflation can lower the purchasing power of the consumer.

3. The RBI monetary policy has a direct impact on controlling "cost-push" inflation.

Which of the above statements is/are correct?

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

16) Gross Domestic Capital Formation (GDCF), often seen in the Budget and Economic Surveys, essentially refers to

- a) Capitalization of Public sector Banks
- b) Money circulation in public hands
- c) Direct Retail Investment in manufacturing goods sector
- d) Creation of Infrastructure or durable economic assets

17) Consider the following statements regarding Collective Investment Scheme.

1. A Collective Investment Scheme is an investment scheme where various individuals come together and pool their money in order to invest their whole fund collection in a particular asset.

2. They are regulated by Securities Exchange Board of India (SEBI).

3. Mutual funds are an example for Collective Investment Scheme in India.

Which of the above statements is/are correct?

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

18) Consider the following statements regarding Angel Investors.

1. Angel Investors are high-net-worth individuals, who generally buy back failed firms for asset restructuring.

2. Often, angel investors are found among an entrepreneur's family and friends.

3. The funds angel investors provide may be a one-time investment to help the business propel or an ongoing injection of money to support and carry the company.

Which of the above statements is/are correct?

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

19) Consider the following statements regarding Landraces.

1. Landraces refer to naturally occurring variants of commonly cultivated crops.

2. These are improved variants of commercially grown crops, which are developed by selective breeding or through genetic engineering.

3. Kalbhat, a scented rice is an example of landrace variant.

Which of the above statements is/are correct?

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

20) Consider the following statements regarding Wheat cultivation in India.

1. Wheat is a major cereal crop in India and is grown mainly in the plains of north and north-eastern India, coastal areas and the deltaic regions.

2. Soils with moderate water holding capacity are ideal for wheat cultivation.

3. Wheat requires cool, moist weather during the major portion of the growing period followed by dry, warm weather to enable the grain to ripen properly.

Which of the above statements is/are correct?

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

21) Consider the following statements:

1. Deflation refers to the decrease in the general price level of goods and services but inflation rate remains above zero.

2. Stagflation is a situation in which the inflation rate is high and at the same time economic growth rate remains steadily high.

Which of the above statements is/are correct?

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

22) Which of the following developments may likely reduce the fiscal deficit?

- 1. Increasing Foreign Direct Investment (FDI)
- 2. Waiving off farm loans.
- 3. Providing budgetary support to public sector enterprises
- 4. Austerity measures should be adopted.

Select the correct answer code:

- a) 1, 4

- b) 2, 3
- c) 2, 3, 4
- d) 1, 2, 3

- 23) Which of the following statements best describes 'fiscal consolidation'?
- a) Strategy of the government to disinvest public sector enterprises to meet deficit.
 - b) Government agenda to reform loan disbursement mechanism of scheduled banks.
 - c) Policies undertaken by Governments to reduce their deficits and accumulation of debt stock.
 - d) Scheduled banks action plan to recover the loans from non-performing assets.

- 24) Consider the following statements.
1. Interest rate growth rate differential (IRGD) is a key indicator of an economy's long-run debt sustainability.
 2. When the cost of raising debt is higher than the gross domestic product (GDP) growth rate, then public debt comes with low fiscal costs.
- Which of the above statements is/are incorrect?
- a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) Neither 1 nor 2

- 25) Consider the following statements.
1. Counter-cyclical fiscal policy becomes critical during an economic crisis.
 2. Counter-cyclical fiscal policy is the one wherein fiscal policy reinforces the business cycle by being expansionary (increase spending/reduce taxes) during good times and contractionary (reduce spending/increase taxes) during recessions.
 3. Pro-cyclical fiscal policy stabilizes the business cycle by being contractionary in good times and expansionary during recessions.
- Which of the above statements is/are correct?
- a) 1 only
 - b) 1, 3
 - c) 1, 2
 - d) 1, 2, 3

4. Art and Culture

- 1) Consider the following statements regarding Dholavira.
1. Here the walls were made of sandstone or limestone instead of mud bricks in many other Harappan sites.
 2. It was a hub of manufacturing jewellery made of shells and semi-precious stones.
 3. Extensive mortal remains of humans have been discovered at Dholavira.

Which of the above statements is/are correct?

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

- 2) Consider the following statements.
1. At Sarnath, where the Buddha gave his first sermon, the stone statue has a hand gesture called the dharma-chakra mudra.
 2. The statues of Standing Buddha signifies rising to teach after reaching nirvana.
 3. The statues of Walking Buddha depicts either beginning his journey toward enlightenment or returning after giving a sermon.

Which of the above statements is/are correct?

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

- 3) Consider the following statements regarding Kesaria Buddha stupa.
1. Kesaria Buddha stupa is located in Champaran district of Bihar.
 2. It is regarded as one of the smallest Buddhist stupas in the world.
 3. The Archaeological Survey of India (ASI) has declared it a protected monument of national importance.

Which of the above statements is/are correct?

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

- 4) Consider the following statements.
1. The majority of the temples built during Gupta period were rock-cut temples.
 2. Dashavatara Temple (Deogarh) and Bhitargaon Temple were built during Gupta age.
- Which of the above statements is/are incorrect?

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

5) Consider the following statements regarding Shankhalipi script.

1. Shankhalipi script describe ornate spiral characters that look like conch shells or shankhas.
2. It is found to be engraved on temple pillars, columns and rock surfaces.
3. It was discovered by an English scholar James Prinsep.

Which of the above statements is/are correct?

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

5. History

- 1) Battle of Saraighat was fought between
 - a) Marathas and Afghans
 - b) Mughal Empire and Ahom Kingdom
 - c) Marathas and Rajputs
 - d) Marathas and Ahom Kingdom
- 2) In the history of Modern India, Mount Harriet is associated with
 - a) Paika Rebellion
 - b) Anglo-Marri Wars
 - c) Anglo-Sikh War
 - d) Anglo-Manipur War
- 3) Patharughat uprising, during the British rule was
 - a) Working class movement
 - b) Tribal Revolt
 - c) Peasant Uprising
 - d) Caste movement
- 4) The Pagri Sambhal Jatta Movement, during the British period is related to
 - a) Farmers' agitation against British laws.
 - b) Socio-religious reform movement
 - c) Restrictions on sell of forest produce by the British.
 - d) None of the above

5) Consider the following statements.

1. After undergoing several changes, the Tricolour flag was adopted as our national flag at a Congress Committee meeting in Karachi in 1931.
2. The Indian flag was adopted in its present form during India's independence on August 15, 1947.

Which of the above statements is/are incorrect?

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

6. Environment

1) Consider the following statements regarding Community Forest Resource rights.

1. The Community Forest Resource rights are recognised under Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act.
2. It recognises community's right to use, manage and conserve forest resources.

2. *Simlipal National Park* in Odisha is the first national park to recognise Community Forest Resource rights.

Which of the above statements is/are correct?

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

2) Consider the following statements regarding Greater one-horned rhinoceros.

1. Greater one-horned rhinoceros is native to the Indian subcontinent.
2. Kaziranga National Park has the highest density of Greater one-horned rhinos in the world.
3. It is listed as Critically Endangered on the IUCN Red List.

Which of the above statements is/are incorrect?

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

3) Consider the following statements.

1. Protected Forests are the most restricted forests and are constituted by the State Government.

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2. Village forests are protected and managed by village communities which are assigned by the state governments.
3. In reserved forests, local people are prohibited, unless specifically allowed by a Forest Officer in the course of the settlement.

Which of the above statements is/are correct?

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

- 4) Which of the following are the conservation efforts to protect Snow Leopard?
1. Project Snow Leopard
 2. HimalSanrakshak
 3. Secure Himalaya

Select the correct answer code:

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

- 5) Consider the following statements regarding Community Reserve

1. Community Reserve is established under Environment Protection Act, 1986.
2. Any state government can declare community-owned forest area as "community reserve" if locals are willing to participate in conservation efforts for same.
3. Community reserve receives same legal protection as National Parks and Wildlife Sanctuaries.

Which of the above statements is/are correct?

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

- 6) Consider the following statements.

1. Deepor Beel is one of the largest freshwater lakes in Assam.
2. Deepor Beel is a Ramsar site and an Important Bird Area.

Which of the above statements is/are correct?

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

- 7) Consider the following statements.

1. Nilgiri biosphere reserve is the largest protected forest area in India.
2. Nilgiri biosphere reserve is spread across Tamil Nadu, Karnataka, Kerala and Telangana.
3. India's natural Gold fields are located in the regions in and around Nilgiris Biosphere Reserve.

Which of the above statements is/are correct?

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

- 8) Which of the following National Parks are located in Assam?

1. Nameri National Park
2. Orang National Park
3. Gorumara National Park
4. Manas National Park

Select the correct answer code:

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

- 9) Consider the following statements regarding Western Ghats.

1. Western Ghats is one of the eight hotspots of biological diversity in the world.
2. Western Ghats is older than the Himalaya mountains.
3. Western Ghats traverses through only five states in India.
4. The peak of Anamudi in Tamil Nadu is the highest peak in the Western Ghats.

Which of the above statements is/are correct?

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

- 10) Consider the following statements regarding Jim Corbett National Park.

1. Jim Corbett National Park was the first to come under the Project Tiger Initiative.
2. Jim Corbett National Park is a national park and tiger reserve that completely encompasses the Shivaliks, near the foothills of the Himalayas.
3. Jim Corbett Tiger Reserve (CTR) has the highest tiger density in the wild in India.

Which of the above statements is/are correct?

- a) 1, 2

- b) 1, 3
- c) 2, 3
- d) 1, 2, 3

11) Consider the following statements.

1. The productivity of the Oceans increases when the carbon emission from the atmosphere are sunk by it.

2. The ocean warming increases the frequency of tropical cyclone winds and rainfall.

Which of the above statements is/are correct?

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

12) Acid rain is mainly a by-product of a variety of human activities that emit the oxides of

- a) Carbon emitted by peat lands
- b) Mercury and lead compounds in water bodies
- c) Sulphur and nitrogen in the atmosphere
- d) Radioactive compounds in effluent discharge

13) Consider the following statements.

1. Global warming potential (GWP) is a measure of how much energy the emissions of 1 ton of any greenhouse gas (GHG) will absorb over a given period of time, relative to the emissions of 1 ton of carbon dioxide (CO₂).

2. The smaller the GWP, the more that a given GHG warms the Earth compared to CO₂ over that time period.

Which of the above statements is/are correct?

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

14) Consider the following statements regarding Intergovernmental Panel on Climate Change (IPCC)

- 1. IPCC is a joint initiative of World Meteorological Organization (WMO) and United Nations Development Programme (UNDP).
- 2. IPCC reports are a key input into international climate change negotiations.
- 3. IPCC was earlier awarded Nobel Peace Prize for its efforts in creating awareness for the fight against climate change.

Which of the above statements is/are correct?

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

15) Consider the following statements regarding Paleocene-Eocene Thermal Maximum (PETM) period.

1. During this time, the Earth experienced a natural period of global warming triggered by a volcanic eruption.

2. Several studies have shown that during this period ocean acidification caused mass extinctions in the deep ocean and there were changes in the biota in the surface ocean.

Which of the above statements is/are correct?

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

16) Ocean acts as a large carbon sink due to

- 1. Its large geographical coverage
- 2. Difference in the partial pressure of carbon dioxide between seawater and air
- 3. Rich population of phytoplankton and seagrass

Which of the above statements is/are correct?

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

17) Which of the following clearly shows the importance of carbon dioxide in earth's atmosphere?

- 1. It is essential for the growth of plants.
- 2. It absorbs the heat directly incoming from the Sun thus warming the planet.
- 3. It is the most abundant gas in the atmosphere after nitrogen and oxygen.

Select the correct answer code:

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

18) Which of the following are the Geoen지니어ing techniques designed to tackle the effects of climate change?

- 1. Artificial trees that pull the CO₂ from the atmosphere using plastic polymers.

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2. Adding large quantities of lime to the Ocean water to increase the amount of CO₂ absorption by the oceans.

3. Using unmanned ships to increase above-ocean cloud cover by spraying sea water into the air.

4. Floating thousands of tiny mirrors in space between Earth and the sun.

Select the correct answer code:

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

19) Which of these ecosystems would sequester most carbon for a given unit of area?

- a) Grassland
- b) Saltmarsh
- c) Mature tropical forests
- d) Bare soil

20) Consider the following statements.

1. Carbon neutrality refers to achieving net zero carbon dioxide emissions.
2. Carbon neutrality can be achieved only by eliminating carbon dioxide emissions altogether.
3. Renewable energy has a lesser to almost zero carbon emissions.

Which of the above statements is/are correct?

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

21) Lead is a naturally occurring toxic metal found in the Earth's crust. Its widespread use has resulted in extensive environmental contamination, human exposure and significant public health problems in many parts of the world. Which of the following can contribute to Lead pollution?

1. Batteries of motor vehicles
2. Paints
3. Cosmetics and traditional medicines
4. Ceramic glazes
5. Smelting

Select the correct answer code:

- a) 1, 2, 3, 4
- b) 1, 2, 3, 5
- c) 1, 2, 3
- d) 1, 2, 3, 4, 5

22) Many countries are aiming to achieve a net-zero emission scenario by the middle of the century. Consider the following statements regarding net-zero emission.

1. Net-zero emission mean that a country would bring down its greenhouse gas emissions to near zero.

2. The net-zero goal does not figure in the 2015 Paris Agreement.

3. Net-zero emission can be achieved by creating more carbon sinks such as forests and relying on futuristic technologies such as carbon capture and storage.

Which of the above statements is/are correct?

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

23) Consider the following statements regarding Persistent Organic Pollutants (POPs).

1. Persistent Organic Pollutants (POPs) have the property of long-range environmental transport (LRET).

2. Exposure to POPs can lead to cancer and diseases of immune system.

3. As we move up the food chain, concentrations of POPs tend to decrease so that animals at the top of the food chain tend to have the low concentrations of these chemicals.

Which of the above statements is/are correct?

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

24) Consider the following statements regarding tree transplantation.

1. Not all trees can be transplanted.

2. Any tree that has a tap root system can be transplanted without much effort.

3. Trees like peepal and sheesham are tolerant to transplantation.

Which of the above statements is/are correct?

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

25) While burning hydrocarbon fuels, if we see a blue flame it means that the fuel is

- a) burning completely
- b) made of saturated hydrocarbons
- c) Wet
- d) made of unsaturated hydrocarbons

26) Consider the following agriculture practices.

INSTA STATIC QUIZ QUESTIONS

1. Zero-Tillage helps in carbon sequestration and requires minimum labour compare to traditional farming method.

2. Zero-Tillage reduces the soil erosion and crop duration.

3. Mixed farming is a multiple cropping practice involving growing two or more crops in proximity.

4. Vertical farming method is different from hydroponic or aeroponic growing methods.

Which of the above statements is/are correct?

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

27) Consider the following statements.

1. A "carbon credit" is an electronic and serialized unit that represents one kg of CO₂ equivalent that is reduced, avoided, or sequestered from projects applying an approved carbon credit methodology.

2. Decarbonization refers to the conversion of the economic system or individual carbon emitting entity reducing the carbon intensity of its (direct or value chain) emissions over time.

Which of the above statements is/are incorrect?

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

28) Consider the following statements.

1. Coal releases almost similar amount of carbon dioxide relative to natural gas, on a kilogram-to-kilogram basis.

2. At the 26th session of the *Conference of the Parties (COP 26)* to the UNFCCC, developed countries agreed to phase out the use of coal.

3. India aims to meet 50% of its energy needs from renewable sources by 2030.

Which of the above statements is/are correct?

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

29) Consider the following statements.

1. Soil Organic Matter (SOM) is mainly composed of carbon, hydrogen and oxygen but also have small amounts of nutrients such as nitrogen, phosphorous.

2. Storing the carbon contained in organic matter within the soil, is seen as one way to mitigate climate change.

3. Soil Organic Carbon (SOC) cannot be emitted back in gaseous form or lost into the atmosphere.

Which of the above statements is/are correct?

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

30) CO₂ injection technology is used to

- 1. Enhance oil recovery from ageing oil fields
- 2. Reduce the carbon content of vehicular emissions
- 3. Sequester atmospheric carbon for ocean basin storage

Which of the above statements is/are correct?

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

31) Compensatory Afforestation Fund can be utilised for which of the following activities?

- 1. Forest Fire Prevention and Control Operations
- 2. Wildlife Management
- 3. Payment of salary and medical expenses of those working in forest areas
- 4. Monitoring of CAMPA works

Select the correct answer code:

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

32) Central Ground Water Authority (CGWA) has been constituted under

- a) Water (Prevention and Control of Pollution) Act, 1974
- b) Environment (Protection) Act, 1986
- c) Public Liability Insurance Act, 1991
- d) Hazardous waste Handling and management act, 1989

33) Consider the following statements regarding Environment Impact Assessment (EIA).

- 1. Environment Impact Assessment in India is statutory backed process by the Environment Impact Assessment Act, 1986.

2. It identifies the environmental, social and economic impacts of a project prior to taking a decision on its implementation.

Which of the above statements is/are incorrect?

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

34) Which of the following are the functions of National Tiger Conservation Authority?

1. According approval for declaring new Tiger Reserves.
2. Laying down audit report regarding Tiger Conservation before Parliament.
3. Preparation of reserve specific tiger conservation plan.

Select the correct answer code:

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

35) Consider the following statements regarding National Green Tribunal.

1. National Green Tribunal is a statutory body equipped with expertise solely for the purpose of adjudicating environmental cases in the country.
2. NGT cannot grant relief in the form of compensation and damages to affected persons.
3. The decision of the NGT is binding on the parties, unless they approach the Supreme Court in appeal.

Which of the above statements is/are correct?

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

36) Consider the following statements regarding National Board for Wildlife.

1. National Board for Wildlife is a Statutory Organization constituted under the Environment (Protection) Act, 1986.
2. It has the power to review all wildlife-related matters and approve projects in and around national parks and sanctuaries.
3. The NBWL is chaired by the Union Environment Ministry.

Which of the above statements is/are correct?

- a) 1, 3
- b) 2, 3

- c) 2 only
- d) 1, 2

37) Under the Wild Life (Protection) Act, 1972, Wildlife Crime Control Bureau (WCCB) is mandated to

1. Collect and collate intelligence related to organized wildlife crime activities and to disseminate the same to State and other enforcement agencies.
2. Establish a centralized wildlife crime data bank.
3. Assists and advises the Customs authorities in inspection of the consignments of flora & fauna.

Select the correct answer code:

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

38) Consider the following statements regarding Wetlands.

1. In India, Wetlands are regulated under the *Environment (Protection) Rules, 1986*.
2. Wetlands International is sub-branch of UN Environment, that works to sustain and restore wetlands and their resources for people and biodiversity.

Which of the above statements is/are correct?

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

39) Consider the following statements.

1. Wildlife Protection Act (WPA) empowers the Central government to declare any wild animal, including those in Schedule I & II of the WPA, to be vermin for specified area and period.
2. Wildlife Protection Act authorizes Chief Wildlife Warden to permit hunting of certain wild animals only if they cannot be captured or translocated.

Which of the above statements is/are correct?

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

40) Consider the following statements regarding Compensatory Afforestation Fund and Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Act, 2016.

1. The law establishes the National Compensatory Afforestation Fund and the State Compensatory Afforestation Fund under the Consolidated Fund of India.

2. The law says that land selected for afforestation should preferably be contiguous to the forest being diverted so that it is easier for forest officials to manage it.

Which of the above statements is/are correct?

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

41) The Global Tiger Initiative (GTI) is a program of the

- a) Conservation International
- b) International Union for the Conservation of Nature (IUCN)
- c) World Bank
- d) United Nations Environmental Program

42) Consider the following statements.

1. Climate Change Performance Index (CCPI) tracks countries' efforts to combat climate change and is published annually by UNEP.

2. UNFCCC can impose penalty if a country fails to meet Nationally Determined Contributions (NDCs) under the Paris Climate Pact.

Which of the above statements is/are correct?

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

43) Consider the following statements about UNFCCC.

1. The UNFCCC was adopted in 1992 at the Rio Earth Summit.

2. The UNFCCC established a framework for action to stabilise concentrations of *greenhouse gases in the earth's atmosphere*.

3. The framework sets non-binding limits on greenhouse gas emissions for individual countries.

4. Nearly all member states of the United Nations have ratified the convention.

Which of the above statements is/are correct?

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

44) Consider the following statements regarding Ramsar Convention on Wetlands of International Importance.

1. The Ramsar Convention on Wetlands of International Importance Especially as Waterfowl Habitat is a treaty for conservation and sustainable use of wetlands.

2. It aims to develop a global network of wetlands for conservation of biological diversity and for sustaining human life.

3. International Union for Conservation of Nature (IUCN) is one of the international organization partners (IOPs) of Ramsar Convention that provide expert technical advice and financial support.

Which of the above statements is/are correct?

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

45) United Nations Decade on Ecosystem Restoration is led by

- a) United Nations Environment Programme (UNEP)
- b) Food and Agriculture Organization (FAO)
- c) Both a and b
- d) Neither a nor b

46) Consider the following statements.

1. The productivity of the Oceans increases when the carbon emission from the atmosphere are sunk by it.

2. The ocean warming increases the frequency of tropical cyclone winds and rainfall.

Which of the above statements is/are correct?

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

47) Consider the following statements regarding methanogens.

1. Methanogens are microorganisms that are capable of generating methane as a metabolic byproduct.

2. They are found in swamps, dead organic matter, and even in the human gut.

3. They cannot survive in high temperatures.

Which of the above statements is/are correct?

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

48) Seaweeds are macroscopic algae usually found in oceans. In this context, which of the following can be the possible benefits of it?

1. It is a vital food for marine organism.
2. It reduces coastal eutrophication.
3. It can be used as fertilizer for plants.

Select the correct answer code:

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

49) Consider the following statements regarding Black Carbon.

1. Black carbon is a component of fine particulate matter, formed through the incomplete combustion of fossil fuels, biofuel, and biomass.
2. In the tropics, black carbon in soils significantly contributes to the soil fertility.
3. Black carbon increases the albedo when deposited on snow and ice.

Which of the above statements is/are correct?

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

50) The warming up of oceans would affect fishes in which of the following ways?

1. It causes stress and decrease the range for fishes.
2. The aerobic capacity of fish increases in warming waters.
3. Increase diseases and even wipe out many commonly eaten fish.

Select the correct answer code:

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

51) Consider the following statements.

1. Ground level ozone is emitted directly into the atmosphere by cars, power plants, refineries and chemical plants.
2. Ozone can reach unhealthy levels on hot sunny days.
3. Ozone can also be transported long distances by wind.

Which of the above statements is/are correct?

- a) 1, 3
- b) 1, 2

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

52) Consider the following statements regarding Black tigers.

1. Black tigers are distinct species of Tigers, that have black stripes that are broadened and fused together.
2. They are found in both wild and captive populations.
3. Black tigers are due to pseudo-melanism, a condition characterised by unusually high deposition of melanin, a dark pigment.

Which of the above statements is/are correct?

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

53) Consider the following statements regarding Methane Emissions.

1. Methane is more potent than carbon dioxide in terms of its global warming capacity.
2. Majority of the methane emitted is from natural sources.
3. Livestock farming, rice agriculture and biomass burning emits methane.

Which of the above statements is/are correct?

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

54) Consider the following statements.

1. The International Day for the Preservation of the Ozone Layer originates from the Montreal Protocol that regulates the output and use of ozone-depleting chemical substances.
2. Among the chemicals that cause severe damage to the ozone layer, Halocarbons have the least Ozone-depleting potential.

Which of the above statements is/are correct?

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

55) Consider the following statements.

1. Hydrofluorocarbons (HFCs) are on average several thousand times more potent greenhouse gas than carbon dioxide.
2. Kigali Amendment to the Montreal Protocol is legally binding with mandatory HFC reduction targets for countries.

3. HFCs have very high potential to deplete the stratospheric ozone layer.

Which of the above statements is/are correct?

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

7. Science and Technology

1) Artificial Intelligence is beneficial in which of the following areas?

- 1. GPS mapping technology
- 2. Credit card frauds prevention
- 3. Self-driving vehicles
- 4. Personalized online Shopping
- 5. Identify nutrient deficiencies in the soil

Select the correct answer code:

- a) 1, 2, 3, 4
- b) 2, 3, 4, 5
- c) 1, 2, 3, 4, 5
- d) 1, 2, 4, 5

2) NASA's Ingenuity mission is related to

- a) Study Neptune and Uranus during planetary flybys
- b) Flying Helicopter on Mars
- c) Deep space exploration systems
- d) Nuclear-powered drone to search for life on Mars

3) Consider the following statements regarding Space Station.

- 1. A space station is a large spacecraft that remains in low-earth orbit for extended periods of time.
- 2. International Space Station is the first fully functional Space Station built by five space agencies.
- 3. The ownership and use of International space station is established by intergovernmental treaties and agreements.

Which of the above statements is/are correct?

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

4) Earth-observation satellites are used for which of the following purposes?

- 1. Soil assessment
- 2. Mapping of water and mineral resources

3. Weather and climate observations

4. Land and forest monitoring

Select the correct answer code:

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

5) Consider the following statements regarding Space Hurricane.

1. A space hurricane is a huge, funnel-like, spiral geomagnetic storm that occurs above the polar Ionosphere of Earth.

2. These are completely disassociated from the aurora borealis phenomenon.

3. Space hurricane can disrupt GPS satellites, radio systems, and radars, and could also increase the drag on any nearby satellites.

Which of the above statements is/are correct?

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

6) The term 'Neural network' sometimes seen in news means

- a) A network of disengaged computer clouds
- b) A point to point network for urgent assistance in cybercrime matters
- c) A process that mimics the way the human brain operates.
- d) Networking between cells based on their mRNA

7) Reverse Osmosis Systems can remove

- 1. Bacteria
- 2. Aqueous salts
- 3. Metal ions
- 4. Lead

Select the correct answer code:

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

8) The term 'Data Scraping' sometimes seen in news, rightly denotes

- a) Modifying the original data content in a website
- b) Restricting data access from a website
- c) Process of extracting data from a website
- d) Process of deleting data from a website

- 9) Consider the following statements regarding Doppler radars.
1. Doppler radars forecast weather by using the mechanism of radio waves.
 2. They track the movement of weather systems and cloud bands, and thus gauge rainfall over an area.
 3. They cannot detect thunderstorms and lightning.

Which of the above statements is/are correct?

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

- 10) A planetary-mass object is recognised as Dwarf planets if it satisfies which of the following conditions?

1. It must be massive enough for it to have become spherical in shape under its own gravity.
2. It must be in direct orbit of the sun.
3. It must have cleared the neighborhood around its orbit.

Select the correct answer code:

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

- 11) Consider the following statements regarding Machine to Machine communications (M2M).

1. Machine to Machine communications refer to automated applications which involve machines or devices communicating through a network without human intervention.
2. It enables data to be transmitted from one device to another device through wired and wireless communications networks.

Which of the above statements is/are correct?

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

- 12) Quantum dots (QDs) are man-made nanoscale crystals that can transport electrons. Potential applications of quantum dots include

1. Single-electron transistors
2. LEDs
3. Medical Imaging
4. Solar Cells
5. Cell Biology Research

Select the correct answer code:

- a) 1, 2, 3, 5

- b) 1, 3, 4, 5
- c) 2, 3, 4, 5
- d) 1, 2, 3, 4, 5

- 13) Generation AI (artificial intelligence) is the initiative of

- a) International Telecommunication Union
- b) World Bank Group
- c) Global Artificial Intelligence network
- d) UNICEF

- 14) Consider the following statements regarding Gold nanoparticles (GNPs).

1. GNPs have lower solar radiation absorbing ability than the conventional bulk gold.
2. They are useful in the electronics industry.
3. They are capable of transferring various drugs made out of peptides, proteins, plasmid DNAs to target diseased cells of the human body.

Which of the above statements is/are correct?

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

- 15) Consider the following statements regarding carbon nanotubes.

1. Carbon nanotubes have higher strength than steel, but also weigh significantly more.
2. They can be used as a container for transporting a drug in the body.
3. They can conduct heat and electricity better than copper.

Which of the above statements is/are correct?

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

- 16) Monoclonal antibodies have been used in the treatment of

1. HIV
2. Ebola
3. Covid-19

Select the correct answer code:

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

- 17) Consider the following statements regarding Peter Pan Syndrome.

1. People with Peter Pan Syndrome develop behaviours like living life carefree and finding responsibilities challenging in adulthood.

2. World Health Organization recognise Peter Pan Syndrome as a health disorder

3. It can affect anyone, irrespective of gender, race or culture.

Which of the above statements is/are correct?

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

18) Consider the following statements regarding Zoonotic Diseases.

1. Zoonotic diseases have impacted humankind since the beginning of its association with animals.

2. Out of all the human disease-causing pathogens identified so far, only around 10% are of animal origin.

3. Increased incidences of zoonotic diseases in recent times are a direct consequence of Large-scale deforestation and encroachment of pristine natural ecosystems.

Which of the above statements is/are correct?

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

19) Consider the following statements regarding Melamine.

1. Melamine is an organic base chemical rich in nitrogen.

2. It is usually added to increase the taste of the food.

3. It can cause bladder stones in animals.

Which of the above statements is/are correct?

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

20) Consider the following statements.

1. Malaria is a viral disease transmitted by the infective bite of Anopheles mosquito.

2. Kala-azar is caused by a protozoan parasite of genus Leishmania.

3. Dengue is transmitted by the infective bite of Aedes Aegypti mosquito.

Which of the above statements is/are correct?

- a) 2, 3
- b) 1, 2

c) 3 only

d) 1, 2, 3

21) Consider the following statements regarding Distributed ledger technology (DLT).

1. Distributed ledger technology (DLT) is a digital system for recording the transaction of assets in which the details are recorded in multiple places at the same time.

2. Unlike traditional databases, distributed ledgers have a central data store or administration functionality.

3. Blockchain technology is a specific kind of Distributed ledger technology.

Which of the above statements is/are correct?

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

22) Acinetobacter baumannii, Enterococcus faecalis, Escherichia coli are

a) Drugs administered to livestock as painkillers/anti-inflammatory drugs.

b) Vectors that cause Dengue and Malaria.

c) Pathogens that have the ability to develop resistance to antibiotics.

d) None of the above

23) Pentavalent vaccine protects against which of the following diseases?

1. Diphtheria

2. Pertussis

3. Hepatitis-C

4. Tetanus

Select the correct answer code:

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

24) Consider the following statements regarding Bio-enzymes.

1. Bio-enzymes are organic solutions produced through fermentation of organic waste like fruits, vegetable peels and flowers by mixing in sugar, jaggery/molasses and water.

2. Yeast can be used to slow down the process of fermentation.

Which of the above statements is/are incorrect?

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

25) Consider the following statements regarding Proteins.

1. Proteins need to take a precise three-dimensional shape to become functional entities.
2. Misfolding of proteins can cause a number of diseases like Parkinson's disease and cataract.
3. Most of the time, protein folding happens automatically.

Which of the above statements is/are correct?

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



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