

## *10 PM Current Affairs Quiz Compilation*

**18<sup>th</sup> to 23<sup>rd</sup> July 2022**

**PRELIMS**

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

1. It occurs primarily in tropical rainforest areas of Central and West Africa.
2. Monkeys are the natural hosts of the virus.

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

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

**Answer: a**

- **Statement 1 is correct:** Monkeypox is a viral zoonotic disease (a disease that is transmitted from infected animals to humans) that occurs primarily in tropical rainforest areas of Central and West Africa and is occasionally exported to other regions.
- **Statement 2 is incorrect:** The natural host of the virus remains undefined. But the disease has been reported in many animals.

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

**Q.2) Consider the following statements:**

1. Followers of Judaism have been granted minority community status in India.
2. States in India have the power to recognize any community as a minority community.

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

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

**Answer: b**

- **Statement 1 is incorrect:** Centre has notified the following six communities as minority communities in India - Muslims, Christians, Sikhs, Buddhists, Parsis and followers of Jainism.
- **Statement 2 is correct:** States can have minorities notified as such within their jurisdiction. For instance: Maharashtra recognizing Jews as a minority community and Karnataka recognizing speakers of several languages as linguistic minorities.

**Q.3) Arrange the following countries from North to South -**

1. Qatar
2. Bahrain
3. Kuwait

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

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

**Answer: b**

- The correct order from North to South is – Kuwait, Bahrain, Qatar

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

**Q.4) With reference to Ballistic and Cruise missiles, consider the following statements:**

1. Cruise missiles are launched directly into the upper layers of the earth's atmosphere.
2. Ballistic missiles are self-propelled for the most part of their flights.

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

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

**Answer: d**

**Both statements are incorrect.**

- **Statement 1 is incorrect:** Ballistic missiles are launched directly into the upper layers of the earth's atmosphere.
- **Statement 2 is incorrect:** Cruise missiles are self-propelled for the most part of their flight, flying in a relatively straight line and at lower altitudes due to rocket propellant.

**Q.5) 10/90 gap, sometimes seen in the news, is associated with?**

- a) Global Health inequity
- b) Balance of payment issue
- c) Detection of neutrinos
- d) Current Account Deficit

**Answer: a**

- The 10/90 gap challenge states that the diseases and health problems that constitute roughly 10% of the global disease burden but affect people mostly in rich countries receive 90% of the overall health research attention and funding.
- However, health problems that constitute 90% of the world's burden of disease but affect mainly low- and lower-middle income countries get merely 10% of the attention and funds.

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

## 10 PM Compilation for the Month of July, (Third Week) 2022

**Q.6) With reference to Jagriti, consider the following statements;**

1. It is a mascot for empowering consumers and generating awareness of their rights.
2. It was launched by the Department of Consumer Affairs(DoCA).

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

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

**Answer: C**

**Statement 1 is correct:** Jagriti is a mascot for empowering consumers and generating awareness of their rights. It will be projected as an empowered consumer who is spreading awareness about consumer rights & addressing solutions to the problems faced by the consumers.

**Statement 2 is correct:** It was launched by the Department of Consumer Affairs(DoCA).

Source: [PIB](#)

**Q.7) Which of the following can be categorized as External Commercial Borrowings (ECBs)?**

1. Foreign currency convertible bonds
2. Foreign currency exchangeable bonds
3. Foreign exchange reserves

**Select the correct answer using the codes given below;**

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

**Answer: B**

ECBs are commercial loans that eligible resident entities can raise from outside India, i.e. from a recognized non-resident entity.

ECBs can be buyer's credit, supplier's credit, foreign currency convertible bonds, foreign currency exchangeable bonds, and loans among others.

ECBs can be raised via the automatic route where cases are examined by Authorized Category Dealer or the approval route where borrowers are mandated to forward their request to RBI through their authorized dealers.

Source: [Livemint](#)

**Q.8) With reference to Diphtheria, consider the following statements;**

1. It is also known as whooping cough and it is a highly contagious respiratory infection caused by the bacterium Bordetella pertussis.
2. Diphtheria particularly affects children aged 1 to 5 years.

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

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

**Answer: B**

**Statement 1 is incorrect:** Diphtheria is primarily caused by the bacterium *Corynebacterium diphtheriae*.

Note: Pertussis, also known as whooping cough, is a highly contagious respiratory infection caused by the bacterium *Bordetella pertussis*.

**Statement 2 is correct:** Diphtheria particularly affects children aged 1 to 5 years. Occurrence of diphtheria cases in under-five children reflects low coverage of primary diphtheria vaccination.

Source: [Indian Express](#)

**Q.9) With reference to Snakebites in India, consider the following statements;**

1. Around 80% of all polyvalent antivenom derived in India comes from snakes caught in one district.
2. Neurotoxin is a poison that primarily acts on the cells in a body.

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

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

**Answer: A**

**Statement 1 is correct:** The antivenom is derived from the “Big Four” snakes in India namely Russell’s viper, Common Krait, Indian Cobra and Saw-scaled viper.

However, 80% of all polyvalent antivenom derived in India comes from snakes caught in one district of Tamil Nadu. This it fails to address the diversity of venom across the species.

**Statement 2 is incorrect:** Neurotoxin is a poison that acts on the nervous system. Cytotoxins kill the cells in a body.

Source: [The Hindu](#)

**Q.10) Town and Village Enterprises Policy was sometimes seen in news, the policy is implemented in which of the following country/region?**

- a) China
- b) India
- c) European Union
- d) The USA

**Answer: A**

China started its economic reforms in 1978 with a primary focus on agriculture. It broke away from the commune system and liberated agri-markets from myriad controls.

During 1978-84, China's agri-GDP grew by 7.1% per annum and farmers' real incomes grew by 14% per annum with the liberalisation of agri-prices. As farmers' real incomes doubled, poverty fell by half in just six years.

**Industries:** Enhanced incomes of rural people created a huge demand for industrial products. The aim of China's manufacturing through **Town and Village Enterprises (TVEs)** was basically to meet the surging demand from the hinterlands.

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

**PRELIMS**

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**Q.1) Consider the following statements:**

- 1) With India assuming presidency of G20, past, present and future G20 presidents will be from developing nations.
- 2) Sherpas are generally appointed for taking care of the financial sector agenda of G20.

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

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

**Ans) a**

**Statement 1** is correct. With the next presidency after India is to Brazil, past, present and future G20 presidents will for the first time be from developing nations.

**Statement 2** is incorrect. G20 is divided into two channels, to discuss the various issues, namely the **financial track** and the **Sherpa track**.

**Financial Track** addresses a number of agendas related to the financial sectors and involves Finance Ministers and Central Bank Governors from all G20 members.

**The Sherpa Track** addresses other agendas that are outside the financial sector. Sherpas are generally appointed directly by the Head of Government / Country and are seen as their representation at various G20 meetings. He/she is assisted by several sous Sherpas.

**Q.2) Chin ethnic group, recently seen in news, belongs to which of the following countries?**

- a) Sri Lanka
- b) Myanmar
- c) China
- d) Cambodia

**Ans) b**

China ethnic group native to Chin State and its neighbouring states of Myanmar.

[Source](#)

**Q.3) Consider the following statements:**

- 1) New Pension Scheme is a Defined Benefit (DB) scheme
- 2) Project OASIS was launched to analyse the New Pension Scheme

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

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

**Ans) d**

Statement 1 is incorrect. New Pension Scheme is a Defined Contribution (DC) scheme

Statement 2 is incorrect. Project OASIS was launched in 1998. It was before the launch of New Pension Scheme. It analysed the failures of pay-as-you-go **defined benefit (DB) system**

**Q.4) Which of the following statements are correct regarding bond yield?**

- a) In case the price of bond increases, the bond yield will fall.
- b) In case the price of bond increases, the bond yield will increase.
- c) In case the price of bond increases, the bond yield will not be affected.
- d) inversion of the yield curve essentially suggests that investors expect future growth to be stronger.

**Ans) a**

In case the price of bond increases, the bond yield will fall.

Statement 1 is correct. The selling price of the bond may go from Rs 100 to Rs 105 or Rs 110 because of competitive bidding by the two buyers. Importantly, even if the bond is sold at Rs 110, the coupon payment of Rs 5 will not change. Thus, as the price of the bond increases from Rs 100 to Rs 110, the yield falls to 4.5%. Thus, in case the price of bond increases, the bond yield will fall.

There are times when this bond yield curve becomes inverted. For instance, bonds with a tenure of 2 years end up paying out higher yields (returns/ interest rate) than bonds with a 10 year tenure. Such an inversion of the yield curve essentially suggests that investors expect future growth to be weak.

**Q.5) Consider the following effects of raising interest rates by US feds:**

- 1) dollar becomes stronger
- 2) exports to countries having dollar as a currency become costly for the countries

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

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

**Ans) a**

**Statement 1** is correct. US Fed's action of aggressively raising interest rates is that more and more investors are rushing to invest money in the US. This, in turn, has made the dollar become stronger than all the other currencies. That's because the dollar is more in demand than yen, euro, yuan etc.

**Statement 2** is incorrect. This should make all other countries happier because a relative weakness of their local currency against the dollar makes their exports more competitive. For instance, a Chinese or an Indian exporter gets a massive boost.

**Q.6) Which of the following is/are the drawbacks of farm loan waivers?**

- 1. Covers only a fraction of farmers.
- 2. Severely erodes the credit culture
- 3. Provides only partial relief to the indebted farmers

**Select the correct answer using the codes given below;**

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

**Answer: D**



## 10 PM Compilation for the Month of July, (Third Week) 2022

Farm loan waivers have the following challenges:

- They covers only a tiny fraction of farmers. The loan waiver excludes most of the farm households in dire need of relief and includes some who do not deserve such relief on economic grounds.
- It provides only partial relief to the indebted farmers as about half of the institutional borrowing of a cultivator is for non-farm purposes.
- Loan waiving excludes agricultural labourers who are even weaker than cultivators in bearing the consequences of economic distress.
- It severely erodes the credit culture, with dire long-run consequences to the banking business.

Source: [The Hindu](#)

**Q.7) With reference to NAMASTE Scheme, consider the following statements;**

1. The scheme aims to promote tourism in Indian cities by providing visa free arrival from select countries.
2. The scheme will be implemented across cities and townships already notified under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT).

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

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

**Answer: B**

**NAMASTE** stands for National Action Plan for Mechanized Sanitation Ecosystem.

**Statement 1 is incorrect:** The scheme aims to achieve outcomes like zero fatalities in sanitation work in India, no sanitation workers come in direct contact with human faecal matter and all Sewer and Septic tank sanitation workers have access to alternative livelihoods.

**Statement 2 is correct:** The scheme will be implemented from 2022 to 2026 across 500 cities and townships already notified under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT).

Source: [AIR](#)

**Q.8) Which of the following committee is/are related to Minimum Support Price?**

1. Sanjay Agrawal committee
2. Acharya Narendra Deva Committee
3. Swaminathan committee

**Select the correct answer using the codes given below;**

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

**Answer: C**

**Statement 1 is correct:** Recently, the Government of India has constituted a committee to look into the issues of minimum support price(MSP), Natural Farming and Crop diversification. The committee is headed by Former Agriculture Secretary Sanjay Agrawal.

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**Statement 3 is correct:** The Union government formed the National Commission on Farmers (NCF) with MS Swaminathan as its chairman. The main aim of the committee was to come up with a sustainable farming system, make farm commodities cost-competitive and more profitable.

It, in 2006, recommended that MSPs must be at least 50% more than the cost of production.

**Statement 2 is incorrect:** Acharya Narendra Deva Committee is related to the Primary and Secondary Education Reorganization.

Source: [The Hindu](#)

**Q.9) Namsai Declaration which was seen in news recently, was signed between which of the following states?**

- a) Assam and Manipur
- b) Kerala and Karnataka
- c) Maharashtra and Gujarat
- d) Assam and Arunachal Pradesh

**Answer: D**

Assam and Arunachal Pradesh have signed the “Namsai Declaration” to resolve border disputes. The declaration marks the resolution of the principle of disputes regarding 37 locations out of 123 disputed villages along the borders between the two states.

– Now disputes regarding the remaining 86 border locations will be assessed by the regional committees of both states and a final resolution will be arrived at based on the reports of these committees.

Source: [Indian Express](#)

**Q.10) With reference to foreign trips of government officials, consider the following statements;**

1. Chief Ministers and ministers of state governments need clearance from the central government before making any official visit.
2. Personal foreign trips of government employees do not need any approval.

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

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

**Answer: A**

**Statement 1 is correct:** Chief Ministers, ministers of state governments and other state officials also need clearance from the Department of Economic Affairs.

For Union ministers, after getting political clearance from the MEA, additional clearance is needed from the Prime Minister, whether the trip is official or personal.

Lok Sabha MPs need clearance from the Speaker and Rajya Sabha members from the Chairperson (Vice President of India). However, for MPs, it is not obligatory to inform the Lok Sabha/Rajya Sabha secretariat if the trip is private.

**Statement 2 is incorrect:** For government employees, all foreign trips, official or personal, need approval.

Source: [Indian Express](#)

**PRELIMS**

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**Q.1) Consider the following statements**

1. Constructions are prohibited within 100 metres around a protected ancient monument.
2. Both the Union and the States have concurrent jurisdiction over all archaeological sites and remains.

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

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

**Ans.) a**

**Statement 1 is correct.** The minimum prohibited area in respect of centrally protected monuments and protected areas is 100m, in all directions beginning at the limit of the protected area of the centrally protected monument or site.

**Statement 2 is incorrect.** Both the Union and the States have concurrent jurisdiction over archaeological sites and remains other than those declared by Parliament by law to be of national importance. Thus, archaeological sites and remains of national importance is under jurisdiction of central government.

[Source](#)

**Q.2) Which of the following is/are constitutional provisions for minorities?**

- 1) All minorities shall have the right to establish and administer educational institutions of their choice.
- 2) Special Officer for Linguistic Minorities
- 3) Any section of the citizens residing in any part of India having a distinct language, script or culture of its own, shall have the right to conserve the same.

**Select the correct answer using the codes given below**

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

**Ans) d**

**Option 1** is correct. As per article 30 of the Indian Constitution, All minorities shall have the right to establish and administer educational institutions of their choice.

**Option 2** is correct. Article 350-B provides for a Special Officer for Linguistic Minorities appointed by the President of India.

**Option 3** is correct. The statement is a part of article 29 of Indian Constitution.

[Source](#)

## 10 PM Compilation for the Month of July, (Third Week) 2022

### Q.3) Consider the following statements:

- 1) Central Drugs Standard Control Organisation (CDSCO) is the sole regulator for all matters like manufacturing, distribution and inspections related to drug industry.
- 2) India has a system of Good Manufacturing Practices (GMPs) for drug industry.

**Select the correct answer using the codes given below**

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

**Ans) b**

**Statement 1** is incorrect. India has 37 agencies for the same job: one in each State and Union Territory along with the Central Drugs Standard Control Organisation (CDSCO), which is under the control of the Union Health Ministry. State drug controllers are expected to license drug manufacturing and also conduct enforcement actions such as sampling, testing and prosecution for substandard drugs. The CDSCO's role is limited to regulating imports and to deciding whether new drugs have adequate clinical evidence before they can be sold. Over the years, even the CDSCO has started drawing samples for testing and prosecuting erring manufacturers. In addition, the Health Ministry is in charge of laying down rules and regulations and banning drugs which do not have supporting clinical evidence.

**Statement 2** is correct. In 1988, India incorporated a system of GMPs via rules framed by the government rather than Parliament. But even then, the government did not make GMPs the centrepiece of its regulatory strategy.

[Source](#)

### Q.4) Which of the following statements regarding National Emblem are correct?

- 1) It is associated with the first sermon of Gautama Buddha.
- 2) It symbolizes courage, power and pride.
- 3) National emblem of India was adopted before independence.

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

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

**Ans) a**

**Statement 1** is correct. It was built in 250 BC to commemorate the first sermon of Gautama Buddha, where he is said to have shared the Four Noble Truths of life, it was mounted on a base of a frieze of smaller sculptures, including a horse (under fire in the new replica for its tail supposedly resembling that of a dog), a lion, a bull and an elephant moving in a clockwise direction.

**Statement 2** is correct. The seven feet tall sculpture made of polished sandstone represented courage, power and pride.

**Statement 3** is incorrect. On January 26, 1950, the Lion Capital of Asoka at Sarnath officially became the national emblem of India.

**Q.5) Which of the following statements correctly describes a Wormhole?**

- bridge or a shortcut between two points in curved spacetime which are well separated in practical terms.
- large amounts of matter squeezed into a tiny space creating extreme gravity.
- allows anything inside it to escape back out into space freely, but nothing can get in from the outside.
- dead stars that are incredibly dense.

**Ans) a**

**Explanation**

A wormhole can act as a bridge or a shortcut between two points in curved spacetime which are well separated in practical terms to the inhabitants of the universe.

**Q.6) With reference to GOAL Programme, consider the following statements;**

- The programme aims to increase sustainable agricultural practices in Tribal regions.
- The programme is a joint initiative of the Ministry of Tribal Affairs and Meta (formerly Facebook).

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

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

**Answer: B**

**Statement 1 is incorrect:** The programme aims to digitally empower tribal youth and women through the concept of mentor and mentee.

**Statement 2 is correct:** The programme is a joint initiative of the Ministry of Tribal Affairs and Meta (formerly Facebook).

Source: [PIB](#)

**Q.7) With reference to Transplantation of Human Organs, consider the following statements;**

- India has a separate legislation to regulate Transplantation of Human Organs and Tissues.
- Grandchildren are not considered as an organ donor in India.

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

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

**Answer: A**

**Statement 1 is correct:** The Transplantation of Human Organs & Tissues Act (THOTA) provides for the regulation of removal, storage and transplantation of human organs & tissues for therapeutic purposes and for the prevention of commercial dealings in human organs & tissues. It contains detailed provisions relating to the authority for removal of human organs, preservation of human organs, regulation of hospitals conducting the removal, storage or transplantation of human organs, registration of hospitals and punishment/penalties for offences relating to aforesaid matters.

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**Statement 2 is incorrect:** The Government of India enacted the Transplantation of Human Organs (Amendment) Act, 2011 which allows the swapping of organs and widens the donor pool by including grandparents and grandchildren in the list.

**Note:** The subject of artificial organs is not regulated under this Act.

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

**Q.8) With reference to liquefaction,** consider the following statements;

1. Natural sand with a regular shape does not liquefies easily compared to sand with an irregular shape.
2. The shear force required to break the inter-particle locking is more for the grains with relatively irregular shapes.

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

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

**Answer: B**

**Statement 1 is incorrect:** Natural sand with a regular shape liquefies easily compared to sand with an irregular shape.

**Statement 2 is correct:** The shear force (unaligned forces pushing one part of a body in one specific direction and another part of the body in the opposite direction) required to break the inter-particle locking is more for the grains with relatively irregular shapes.

Source: [PIB](#)

**Q.9) Which of the following impacts will occur when the rupee gets weaker?**

1. Freelancer in India working for a company in US will get more money.
2. An outbound tourist has to pay less for hotels and flights.
3. Imports will get costlier

**Select the correct answer using the codes given below;**

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

**Answer: C**

**A WEAKER RUPEE IMPACTS YOU IN MANY WAYS...  
HERE IS WHAT YOU CAN DO TO SOFTEN THE BLOW**

The rupee has had a weakening bias because of India's consistent current account deficit (imports exceed exports). Corrections in exchange rate happen sporadically and that is when Indians feel the pain. But the impact is not uniform and depends on the demand & supply position in various sectors...

**If You Are...**

- > **A consumer** | Most of us who are already facing the brunt of inflation will see fresh **price surges on all imported items**
- > **An exporter** | You can now sell more price-sensitive products by **reducing rates**. Alternatively, you may get **more dollars** on the same number of sales
- > **A student in foreign college** | You will need to **draw a larger amount** to pay the same fees
- > **An outbound tourist** | Many currencies have depreciated against the dollar, but you will still **pay more as flights & hotel bookings are usually done in dollars**
- > **A freelancer** | An assignment billed in dollars will get you **more money**. But you may have **competition** as some other currencies have weakened more
- > **An Indian investor with \$ deposits** | Value of holdings has gone up **7% in rupee terms**
- > **An investor in US stocks** | Dow Jones index has fallen 14% in 2022, but in rupee terms the **losses are lower at about 8%**

**What Can You Do As...**

- > **A consumer** | Identify import substitutes. If not buying for the brand, you will find **local alternatives**
- > **An outbound student** | Visit your **dentist**, go for a **haircut**, shop for **clothes** and avail other such services before leaving. Look for **cheaper remittance services**
- > **An outbound tourist** | If destination country's currency has depreciated more (like Turkey) you may get **better deals by booking directly in that country**
- > **An investor in dollars** | Wait for rate hike cycle to end. Rates have shot up but are likely to go up further, which means **bonds and equities may get cheaper**
- > **A business owner** | Bargain hard with int'l suppliers as **they will be able to cut prices** due to depreciation
- > **A policymaker** | Take countercyclical measures to **encourage foreign investments** by lifting restrictions

**What Is RBI Doing To Check Slide...**

- 1 Selling large amounts (\$40bn+) of dollars to support rupee
- 2 Raising interest rates (90bps in 2022) to make Indian investment attractive
- 3 Removing reserve restrictions on dollar deposits with banks
- 4 Allowing traders to make settlements in rupees to reduce dollar dependence

Source: [Indian Express](#)

**Q.10) With reference to Atal Vayo Abhyuday Yojana(AVYAY), consider the following statements;**

1. The scheme aims to improve the quality of life of the Senior Citizens by providing basic amenities.
2. The Ministry of Social Justice & Empowerment is the nodal ministry of the scheme.

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

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

**Answer: C**

**Statement 1 is correct:** The scheme aims to improve the quality of life of the Senior Citizens by providing basic amenities such as shelter, food, medical care and entertainment opportunities and by encouraging productive and active ageing through providing support.

**Statement 2 is correct:** The Ministry of Social Justice & Empowerment is the nodal ministry of the scheme.

Source: [PIB](#)

**PRELIMS**

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**Q.1) Consider the following statements**

- 1) India's 90% of external trade by volume is by sea.
- 2) Almost 55% of India's trade with the Indo-Pacific region passes through the South China Sea

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

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

**Ans) c**

**Statement 1 is correct.** India is essentially a maritime nation and the oceans hold the key to India's future. India's external trade (over 90% by volume and 70% by value) is by sea.

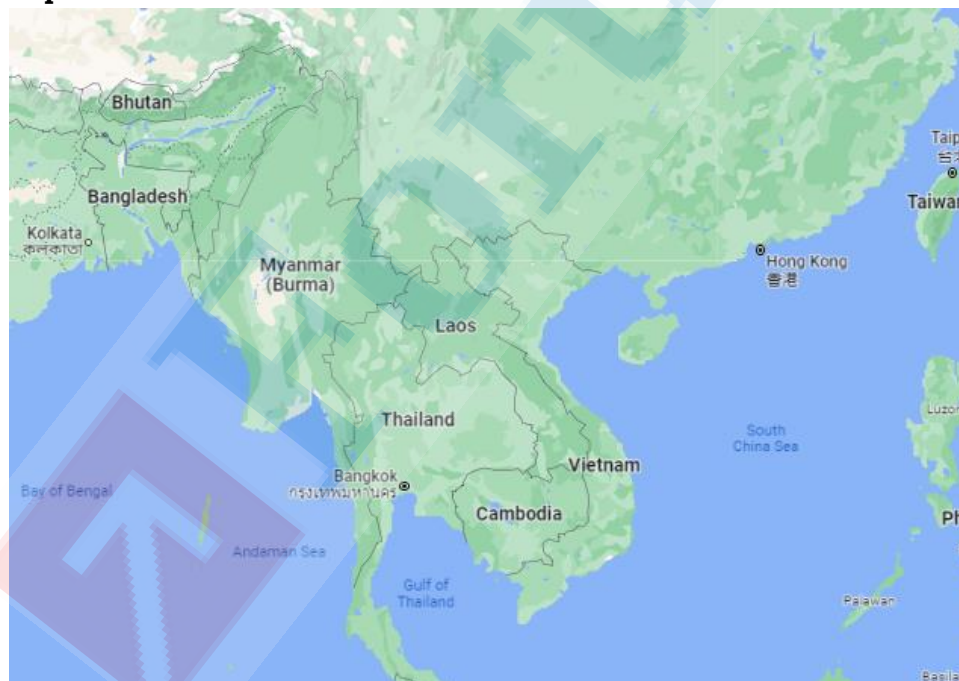
**Statement 2 is correct.** India's maritime strategic interests in the region are well established, including the fact that almost 55% of India's trade with the Indo-Pacific region passes through the South China Sea.

**Q.2) Which one of the following countries does not border Vietnam?**

- a) Laos
- b) Cambodia
- c) China
- d) Thailand

**Ans) d**

**Explanation**





**Q.3) FRESH framework, recently seen in news, has been developed by which of the following agencies?**

- a) UNESCO
- b) UNICEF
- c) World Bank
- d) All of the above

**Ans) d**

**Explanation**

UNESCO, UNICEF, the World Health Organization (WHO) and the World Bank have published an inter-agency framework called FRESH — an acronym for Focusing Resources on Effective School Health. The FRESH framework and tools propose four core areas and three supporting strategies. The core areas suggest that school health services need to focus on school health policies, i.e., water, sanitation and the environment; skills-based health education and school-based health and nutrition services. The supporting strategies include effective partnerships between the education and health sectors, community partnership and student participation.

**Q.4) Which of the following options is/are most likely to result in appreciation of Rupee value?**

- 1) Sell of dollars in the spot forex market by RBI
- 2) Encouraging non-resident Indian (NRI) deposits
- 3) Permission for foreign trade deals to be settled in rupees

**Select the correct answer using the codes given below**

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

**Ans) d**

One course of action to control the Rupee value is selling dollars by RBI in the spot forex market. Increase in non-resident Indian (NRI) deposits will bring in the Dollars in the account. It will increase supply and Dollar, thus the value of Rupee.

Permission of Foreign trade deals to be settled in Rupee will reduce the requirement of Dollar and increase the demand for Rupee, thus it will result in appreciation of Rupee value.

**Q.5) Consider the following statements regarding Minerals Security Partnership (MSP)**

- 1) It is an initiative to bolster critical mineral supply chains.
- 2) It is an alliance of all European countries and US.

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

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

**Ans) a**

**Statement 1 is correct.** Minerals Security Partnership (MSP), an ambitious new initiative to bolster critical mineral supply chains.

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**Statement 2 is incorrect.** MSP partners include Australia, Canada, Finland, France, Germany, Japan, the Republic of Korea, Sweden, the United Kingdom, the United States, and the European Commission.

**Q.6) With reference to Central Armed Police Forces (CAPFs), consider the following statements;**

1. The CAPF are headed by officers of the Indian Police Service and they operate under the authority of Ministry of Home Affairs.
2. CAPFs personnel are eligible for the Chakra series of medals for all of their individual operations.

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

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

**Answer: A**

**Statement 1 is correct:** The Central Armed Police Forces (CAPF) are headed by officers of the Indian Police Service and they operate under the authority of Ministry of Home Affairs.

**Statement 2 is incorrect:** CAPFs are eligible for the Chakra series of medals only if the battalions were placed under the operational control of the Army.

Source: [The Hindu](#)

**Q.7) Which of the following activities can reduce Maternal Mortality Ratio (MMR)?**

1. Improvements in access to contraceptives
2. Reduction of higher-order births
3. Focus on post-delivery health care

**Select the correct answer using the codes given below;**

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

**Answer: D**

There is adequate proof that focusing on the following things will help to reduce MMR. These include, **a)** Improvements in access to contraceptives, **b)** Focus on antenatal care, post-delivery health care, body mass index, **c)** Economic status, **d)** A concerted reduction of higher-order births, births in higher ages.

Source: [The Hindu](#)

**Q.8) AK Rajan committee which was seen in news recently, is related to which of the following?**

- a) Removing certain regions of forest areas from Eco Sensitive Zones in Kerala.
- b) Increasing access to internet services in Tribal regions of North-East.
- c) Analyzing the impact of NEET on the admission process in medical colleges in Tamil Nadu.
- d) Reforming the Minimum Standard Prices in India and suggest reforms.

**Answer: C**

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The Tamil Nadu Assembly has passed a Bill to dispense with the National Entrance cum Eligibility Test (NEET). This bill is passed based on the recommendation of the high-level committee led by retired judge AK Rajan.

Justice A K Rajan Committee analyzed the impact of NEET on the admission process in medical colleges in Tamil Nadu. The report highlighted the inequity and injustice in the NEET.

Source: [The Hindu](#)

**Q.9) With reference to Weapons of Mass Destruction(WMD), consider the following statements;**

1. There is no single, authoritative definition of WMD in international law.
2. India does not have any specific law to regulate WMDs.

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

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

**Answer: A**

**Statement 1 is correct:** There is no single, authoritative definition of a WMD in international law. The expression is usually understood to cover nuclear, biological, and chemical(NBC) weapons.

**Statement 2 is incorrect:** WMDs are regulated under Weapons of Mass Destruction and their Delivery Systems (Prohibition of Unlawful Activities) Act, 2005.

Recently, the Weapons of Mass Destruction and their Delivery Systems (Prohibition of Unlawful Activities) Amendment Bill, 2022 was introduced in Rajya Sabha.

Source: [AIR](#)

**Q.10) Consider the following pairs,**

| <b>Chakra Awards</b> | - | <b>Significance</b>                      |
|----------------------|---|--|
| 1. Ashoka Chakra     | - | Highest wartime gallantry award          |
| 2. Param Vir Chakra  | - | Highest peacetime gallantry award        |
| 3. Maha Vir Chakra   | - | Second-highest wartime gallantry award   |
| 4. Kirti Chakra      | - | Second-highest peacetime gallantry award |

**How many pairs given above are correctly matched?**

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

**Answer: B**

| <b>Chakra Awards</b> | - | <b>Significance</b>                      |
|----------------------|---|--|
| 1. Ashoka Chakra     | - | Highest peacetime gallantry award        |
| 2. Param Vir Chakra  | - | Highest wartime gallantry award          |
| 3. Maha Vir Chakra   | - | Second-highest wartime gallantry award   |
| 4. Kirti Chakra      | - | Second-highest peacetime gallantry award |

Source: [The Hindu](#)

**PRELIMS**

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**Q.1) Which of the following is an application of Antibiotic Adjuvants?**

- a) to use as a counter to the negative effect of antibiotics on the human body
- b) to use as an alternative to the existing antibiotics.
- c) to help counter resistance to existing antibiotics
- d) to convert the antibiotic bacteria into a useful bacterium for the treatment of cancer

**Ans) c**

**Explanation)**

Scientists at JNCASR, an autonomous institute of the Department of Science and Technology, have come up with the approach of revitalising the efficacy of existing antibiotics by using them in combination with antibiotic adjuvants -- ingredients that can help counter resistance to existing antibiotics. This novel idea can help strengthen the activity of obsolete antibiotics and bring them back into use for treating complicated infections.

Source

**Q.2) Consider the following statements regarding Low temperature thermal desalination (LTTD)**

- 1) It uses availability of temperature gradient between two water bodies.
- 2) India developed world's first low temperature thermal desalination plant based on this technology

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

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

**Ans) c**

**Statement 1 is correct.** Low temperature thermal desalination (LTTD) is one process that uses the availability of a temperature gradient between two water bodies or flows to evaporate the warmer seawater at low pressures and condense the resultant vapour with the colder seawater to obtain fresh water.

**Statement 2 is correct.** Scientists at the National Institute of Ocean Technology (NIOT), Chennai have developed world's first low temperature thermal desalination plant, which could address drinking water problems in India's ocean island territories and even offshore urban centres along the coastline.

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### Q.3) Consider the following statements

- 1) Cryptocurrency mining uses huge amount of energy and emit pollutants
- 2) 'Proof of work' is a consensus mechanism that allows miners to validate cryptocurrency transactions

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

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

**Ans) c**

**Statement 1 is correct.** Cambridge Bitcoin Electricity Consumption Index, by the Centre for Alternative Finance at the University of Cambridge, shows that Bitcoin mining alone used up more energy than Belgium and Finland ([bit.ly/3cpu86E](https://bit.ly/3cpu86E)). According to Digiconomist, Ethereum gobbled up as much power as Switzerland. The Bitcoin network generates huge amounts of carbon dioxide, as much as Turkmenistan, and Ethereum's CO2 emissions rival New Zealand's. As if this was not enough, the obsolete ASIC (Application Specific Integrated Circuit) mining equipment that crypto miners use produces a colossal 36,000 tonnes of electronic waste every year.

**Statement 2 is correct.** 'Proof of work' is a consensus mechanism that allows miners to validate cryptocurrency transactions by deciphering increasingly complicated mathematical puzzles. Whoever solves a puzzle validates that transaction and gets the mined crypto; solving these arcane problems requires heavy computing power and therefore uses tremendous energy.

### Q.6) India Innovation Index was released by which of the following organization/Ministry?

- a) Ministry of Micro, Small and Medium Enterprises (MSME)
- b) NITI Aayog
- c) Centre for Policy Research
- d) Observer Research Foundation

**Answer: B**

NITI Aayog has released the India Innovation Index 2021. It is a comprehensive tool for the evaluation and development of the country's innovation ecosystem. It ranks the states and the union territories on their innovation performance to build healthy competition amongst them. Karnataka topped in the 'Major States' category. Manipur emerged as a winner in the 'North East and Hill States' category. Chandigarh was the top performer in the 'Union Territories and City States' category.

Source: [PIB](#)

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**Q.7) With reference to Glasgow Breakthrough agenda, consider the following statements;**

1. The agenda sets ambitious goals for 2030 to dramatically accelerate the innovation and deployment of clean technologies.
2. It was launched by Scotland and Finland.

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

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

**Answer: A**

**Statement 1 is correct:** The agenda sets ambitious goals for 2030 to dramatically accelerate the innovation and deployment of clean technologies in five key sectors of the economy – Power, Road Transport, Steel, Hydrogen, and Agriculture.

**Statement 2 is incorrect:** It was launched by the United Kingdom and a coalition of 42 world leaders including India at the COP26 World Leaders Summit.

Source: [PIB](#)

**Q.8) With reference to Low-temperature thermal desalination(LTTD), consider the following statements;**

1. The technique uses cold water from the ocean depths to produce fresh water from vapour.
2. The LTTD technology requires chemical pre- and post-treatment of seawater.

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

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

**Answer: A**

**Statement 1 is correct:** This technique works on the principle that water in the ocean 1,000 or 2,000 feet below is about 4° C to 8° C colder than surface water. So, salty surface water is collected in a tank and subject to high pressure (via an external power source).

This pressured water vapourises and is trapped in tubes or a chamber. Cold water plumbed from the ocean depths is passed over these tubes and the vapour condenses into fresh water and the resulting salt is diverted away.

**Statement 2 is incorrect:** The LTTD technology does not require any chemical pre- and post-treatment of seawater and thus the pollution problems are minimal and suitable for island territories.

Source: [PIB](#)

**Q.9) Which of the following is/are the applications of Synthetic biology?**

1. Developing synthetic organisms for vaccination
2. Dyeing jeans without producing hazardous waste
3. Deliver fixed nitrogen to plants

**Select the correct answer using the codes given below;**

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

**Answer: D**

Synthetic biology enables scientists to design and synthesise new sequences of DNA from scratch.

It has applications in various fields. For instance, It can help in **a) Developing synthetic organisms for vaccination, b) Creating natural products in a lab** such as vanillin, extracted from vanilla seeds, can be grown in yeasts with additional plant genomes, **c) Use of gene editing systems** such as CRISPR will allow defective genes in animals, plants and even people to be silenced, or changed, and control biological outcomes.

**Pharmaceutical industry:** Synthetic biology can be used to make natural compounds such as artemisinin used for the treatment of malaria and Car T cell therapy for cancer treatment.

**In the fashion industry:** Some companies are exploring the possibility of dyeing jeans without producing hazardous waste using synthetic biology.

**In Agriculture:** Companies using synthetic biology to deliver fixed nitrogen to plants instead of using fertilisers, engineering microbes to create food additives or brew proteins.

Source: [DTE](#)

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

1. It is a swelling that happened only on arteries by the excessive sedimentation of cholesterol.
2. Pregnancy can increase the risk of aneurysms.

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

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

**Answer: B**

**Statement 1 is incorrect:** It is a swelling of the arteries and veins in any part of the body and is caused by the weakening of the walls.

**Statement 2 is correct:** Potential risk factors for aneurysms include smoking, age, high cholesterol, obesity, hypertension or tissue disorders. Pregnancy can also increase the risk of aneurysms of the spleen.

Source: [Indian Express](#)

**PRELIMS**

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**Q.1) Consider the following options**

- 1) Haryana
- 2) Rajasthan
- 3) UP
- 4) MP

**Which of the above states have presence of Aravalli range?**

- a) 1 and 2 only
- b) 1, 2 and 3 only
- c) 1,2 and 4 only
- d) All of the above

**Ans) a**

The Aravalli range is Located in the north-western part of India. It is stretching from Gujrat to Delhi through Rajasthan and Haryana, with a length close to 692 Km.

[Source](#)

**Q.2) Consider the following statements**

- 1) India's national-mineral inventory has no lithium bearing reserves yet.
- 2) Bolivia has the largest reserves of lithium resources.

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

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

**Ans) c**

**Statement 1 is correct.** No reserves or resources of lithium-bearing metals are so far part of the national-mineral inventory.

**Statement 2 is correct.** According to the US Geological Survey, lithium resources worldwide total about 89 million tonnes (mt). The top countries with resources are: Bolivia (21 mt), Argentina (19 mt), Chile (9.8 mt), US (9.1 mt), Australia (7.3 mt), China (5.1mt). However, in terms of production, Australia is the largest.

[Source](#)

**Q.3) Which of the following statements is/are correct?**

1. Prevention of Corruption Act includes “judge” under the definition of “public servant”
2. Asset disclosure is not mandatory for judges.

**Select the correct answer using the codes given below**

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

**Ans) a**



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Prevention of Corruption Act includes “judge” under the definition of “Public Servant” as “any Judge, including any person empowered by law to discharge, whether by himself or as a member of any body of persons, any adjudicatory functions”;

Statement 2 is incorrect. In 1997, SC adopted a resolution, making asset disclosure mandatory for SC judges. However, there is no clear deadlines for that and it cannot be disclosed to the public.

### Q.4) Consider the following statements.

1. He enriched Sarasvati Mahal Library with priceless works, maps, dictionaries, coins and artwork
2. He founded a school called Navavidhya Kalanidhi Sala where languages, literature, the sciences, arts and crafts, Vedas and shastras were taught.
3. He established the Dhanavantari Mahal, a research institution that produced herbal (indigenous medicine) medicine for humans and animals.

### Which of the following personality was described in the statements above?

- a) Raja Shivaji
- b) Maharaja Serfoji
- c) Sinhavishnu
- d) Dantidurga

**Answer: B**

Source: [The Hindu](#)

### Q.5) Which of the following organization has released the “World report on the health of refugees and migrants”?

- a) United Nations High Commissioner for Refugees
- b) World Health Organization (WHO)
- c) Doctors Without Borders
- d) International Committee of the Red Cross

**Answer: B**

The World Health Organization(WHO) has released a report titled “World report on the health of refugees and migrants’. This is the first WHO report on the health of refugees and migrants.

Source: [Economic Times](#)

### Q.6) With reference to Madrid Protocol, consider the following statements;

1. It aims to provide “informal mechanism” to support Pacific islands and to boost diplomatic, and economic ties in the pacific region.
2. India is a signatory to the Madrid Protocol.

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

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

**Answer: B**

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**Statement 1 is incorrect:** The Protocol on Environmental Protection to the Antarctic Treaty, also known as the Antarctic-Environmental Protocol, or the Madrid Protocol, is part of the Antarctic Treaty System.

The treaty aims to strengthen the Antarctic Treaty system and for the development of a comprehensive regime for the protection of the Antarctic environment and dependent and associated ecosystems.

**Statement 2 is correct:** India signed the Protocol on Environmental Protection to the Antarctic Treaty in 1998.

Source: [PIB](#)

**Q.7) With reference to Positive Indigenisation List, consider the following statements;**

1. Only the Army and Air Force will procure the listed items from domestic manufacturers.
2. The term domestic manufacturer in Indigenization list includes both Private and Defence Public Sector Undertakings(DPSUs).

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

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

**Answer: B**

**Statement 1 is incorrect:** The positive indigenisation list essentially means that the Armed Forces—Army, Navy, and Air Force—will only procure the listed items from domestic manufacturers.

**Statement 2 is correct:** The term domestic manufacturer in Indigenization list include both Private and Defence Public Sector Undertakings(DPSUs).

Source: [Business Standard](#)

**Q.8) Which of the following statements clearly explains the term Windfall Tax?**

- a) It is a tax imposed for selling the assets of the company.
- b) It is a new tax imposed in Europe to reduce the use of fossil fuel.
- c) It is a higher tax rate on sudden big profits levied on a particular company or industry.
- d) It is a tax imposed on companies for their predatory pricing policies.

**Answer: C**

A windfall tax is a higher tax rate on sudden big profits levied on a particular company or industry. The government of India has recently slashed windfall tax on domestically produced crude, diesel and aviation turbine fuel, withdrew the levy on petrol and exempted exports of fuels from the special economic zone(SEZ) from it.

Source: [Indian Express](#)

**Q.9) Which of the following is/are the benefit of recognizing right to repair?**

1. Boost business for small repair shops
2. Reduce the electrical waste (e-waste)
3. Contribute to circular economy

**Select the correct answer using the codes given below;**

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

**Answer: D**

**Benefits of recognizing right to repair**

- This will help boost business for small repair shops, which are an important part of local economies.
- It will help reduce the vast mountain of electrical waste (e-waste) that piles up each year on the continent.
- It will save consumers' money.
- It will contribute to circular economy objectives by improving the life span, maintenance, re-use, upgrade, recyclability and waste handling of appliances.

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

**Q.10) Which of the following is/are India's permanent research base station in Antarctica?**

1. Dakshin Gangotri
2. Maitri
3. Himadri
4. Bharati

**Select the correct answer using the codes given below;**

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

**Answer: D**

Indian Antarctic programme has built three permanent research base stations in Antarctica—named Dakshin Gangotri, Maitri, and Bharati. Currently, India has two operational research stations in Antarctica named Maitri and Bharati.

**Note:** Himadri is India's first permanent Arctic research station located at Spitsbergen, Svalbard, Norway.

Source: [PIB](#)