

# OFFICERS IAS ACADEMY ANSWER KEY

## PRELIMS 2022 QUESTION PAPER – A SERIES

1. "Rapid Financing Instrument" and "Rapid Credit Facility" are related to the provisions of lending by which one of the following?

- (a) Asian Development Bank
- (b) International Monetary Fund
- (c) United Nations Environment Programme Finance Initiative
- (d) World Bank

Correct: B

2. With reference to the Indian economy, consider the following statements:

1. An increase in Nominal Effective Exchange Rate (NEER) indicates the appreciation of rupee.
2. An increase in the Real Effective Exchange Rate (REER) indicates an improvement in trade competitiveness.
3. An increasing trend in domestic inflation relative to inflation in other countries is likely to cause an increasing divergence between NEER and REER.

Which of the above statements are correct?

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

Correct: C

3. With reference to the Indian economy, consider the following statements:

1. If the inflation is too high, Reserve Bank of India (RBI) is likely to buy government securities.
2. If the rupee is rapidly depreciating, RBI is likely to sell dollars in the market.
3. If interest rates in the USA or European Union were to fall, that is likely to induce RBI to buy dollars.

Which of the statements given above are correct?

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

Correct: B

4. With reference to the "G20 Common Framework", consider the following statements:

- 1. It is an initiative endorsed by the G20 together with the Paris Club.
- 2. It is an initiative to support Low Income Countries with unsustainable debt.

Which of the statements given above is/are correct?

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

Correct: C

Source:

IMF, G20 member state websites

Explanation:

The Common Framework for debt treatment beyond the DSSI (Common Framework) is an initiative endorsed by the G20, together with the [Paris Club](#), in November 2020 to support Low Income Countries with unsustainable debt.

5. With reference to the Indian economy, what are the advantages of "Inflation-Indexed Bonds (IIBs)" ?

- 1. Government can reduce the coupon rates on its borrowing by way of IIBs.
- 2. IIBS provide protection to the investors from uncertainty regarding inflation. The interest received as well as capital
- 3. gains on IIBs are not taxable.

Which of the statements given above are correct?

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

(d) 1, 2 and 3

Correct: A

6. With reference to foreign-owned e-commerce firms operating in India, which of the following statements is/are correct?

1. They can sell their own goods in addition to offering their platforms as market-places.
2. The degree to which they can own big sellers on their platforms is limited. Select the correct answer using the code given

below:

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

Correct: B

7. Which of the following activities constitute real sector in the economy?

1. Farmers harvesting their crops
2. Textile mills converting raw cotton into fabrics
3. A commercial bank lending money to a trading company
4. A corporate body issuing Rupee Denominated Bonds overseas

Select the correct answer using the code given below:

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

Correct: A

8. Which one of the following situations best reflects "Indirect Transfers" often talked about in media recently with reference to India?

- (a) An Indian company investing in a foreign enterprise and paying taxes to the foreign country on the profits arising out of its investment
- (b) A foreign company investing in India and paying taxes to the country of its base on the profits arising out of its investment

(c) An Indian company purchases tangible assets in a foreign country and sells such assets after their value increases and transfers the proceeds to India

(d) A foreign company transfers shares and such shares derive their substantial value from assets located in India

Correct: D

9. With reference to the expenditure made by an organisation or a company, which of the following statements is/are correct?

1. Acquiring new technology is capital expenditure.

2. Debt financing is considered capital expenditure, while equity financing is considered revenue expenditure.

Select the correct answer using the code given below

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Correct: A

10. With reference to the Indian economy, consider the following statements:

1. A share of the household financial savings goes towards government borrowings.

2. Dated securities issued

at market-related rates in auctions form a large component of internal debt.

Which of the above statements is/are correct?

(a) I only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Correct: C

**11.** Consider the following statements:

1. Pursuant to the report of H.N. Sanyal Committee, the Contempt of Courts Act, 1971 was passed.
2. The Constitution of India empowers the Supreme Court and the High Courts to punish for contempt of themselves.
3. The Constitution of India defines Civil Contempt and Criminal Contempt.
4. In India, the Parliament is vested with the powers to make laws on Contempt of Court.

Which of the statements given above is/are correct?

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

Correct: B

Source:

Wikipedia, Article 129, Article 215 & Seventh Schedule

Explanation:

H.N.Sanyal committee report of 1963 incorporated in 1971 act - Statement 1 is correct, Art 129 and Art 215 - SC and HC have power to punish for contempt - Statement 2 is correct, No definition of contempt in constitution - Statement 3 is incorrect, Entry 14 of concurrent list in seventh schedule - Statement 4 is correct.

**12.** With reference to India, consider the following statements:

1. Government law officers and legal firms are recognised as advocates, but corporate lawyers and patent attorneys are excluded from recognition as advocates.
2. Bar Councils have the power to lay down the rules relating to legal education and recognition of law colleges.

Which of the statements given above is/are correct?

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

Correct: B

Section 6 & 7 of Indian Advocates Act.

**13.** Consider the following statements:

1. A bill amending the Constitution requires a prior recommendation of the President of India.
2. When a Constitution Amendment Bill is presented to the President of India, it is obligatory for the President of India to give his/her assent.
3. A Constitution Amendment Bill must be passed by both the Lok Sabha and the Rajya Sabha by a special majority and there is no provision for joint sitting.

Which of the statements given above are correct?

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

Correct: B

Source:

Article 368

Explanation:

Straight from Art 368 of Constitution

**14.** Consider the following statements:

1. The Constitution of India classifies the ministers into four ranks viz. Cabinet Minister, Minister of State with Independent Charge, Minister of State and Deputy Minister.
2. The total number of ministers in the Union Government, including the Prime Minister, shall not exceed 15 percent of the total number of members in the Lok Sabha.

Which of the statements given above is/are correct?

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

Correct: B

Source:

Article 75

Explanation

Straight from Art 75

**15.** Which of the following is/are the exclusive power(s) of Lok Sabha ?

1. To ratify the declaration of Emergency
2. To pass a motion of no-confidence against the Council of Ministers
3. To impeach the President of India

Select the correct answer using the code given below:

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

Correct: B

Source:

Article 75 (3)

Explanation:

Council of ministers collective only to LS and No Confidence motion only in LS as per LS Rules.

**16.** With reference to anti-defection law in India, consider the following statements:

1. The law specifies that a nominated legislator cannot join any political party within six months of being appointed to the House..
2. The law does provide any time-frame within which the presiding officer has to decide a defection case.

Which of the statements given above is/are correct?

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

Correct: B

Source:

Tenth schedule

Explanation

Nominated member can join within 6 months, No time frame given to presiding officer

**17.** Consider the following statements:

1. Attorney General of India and Solicitor General of India are the only officers of the Government who are allowed to participate in the meetings of the Parliament of India.
2. According to the Constitution of India, the Attorney General of India submits his resignation when the Government which appointed him resigns.

Which of the statements given above is/are correct?

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

Correct: D

Source:

Art 76 & 88

Explanation:

Holds office during pleasure of President, only AG can speak in Parliament and not SG

**18.** With reference to the writs issued by the Courts in India, consider the following statements:

1. Mandamus will not lie against a private organisation unless it is entrusted with a public duty.
2. Mandamus will not lie against a Company even though it may be a Government Company.
3. Any public minded person can be a petitioner to move the Court to obtain the writ of Quo Warranto.

Which of the statements given above are correct?

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



Correct: C

Source:

Laxmikanth

**19.** With reference to Ayushman Bharat Digital Mission, consider the following statements:

1. Private and public hospitals must adopt it. 2. As it aims to achieve universal health coverage, every citizen of India should be part of it ultimately.

3. It has seamless portability across the country. Which of the statements given above is/are correct?

(a) 1 and 2 only

(b) 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Correct: B

Source:

PIB, NITI Aayog

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=1738169>

Explanation:

In February 2022, the Union cabinet approved the roll-out of Ayushman Bharat Digital Mission (ABDM) under Ministry of Health and Family Welfare, Government of India, with a budget of Rs.1,600 crore for five years.

It is an extensive database of all healthcare facilities across the nation. These include both private and public health care facilities like hospitals, diagnostic labs, small clinics, nursing homes, etc.

The mission will improve equitable access to quality healthcare and encourage the use of technologies

such as telemedicine, and enable national portability of health services

**20.** With reference to Deputy Speaker of Lok Sabhs, consider the following statement:

1. As per the Rules of Procedure and Conduct of Business in Lok Sabha, the election of Deputy Speaker shall be held on such date as the Speaker may fix.

2. There is a mandatory provision that the election of a candidate as Deputy Speaker of Lok Sabha shall be from either the principal opposition party or the ruling party.
3. The Deputy Speaker has the same power as of the Speaker when presiding over the sitting of the House and no appeal lies against his rulings.
4. The well established parliamentary practice regarding the appointment of Deputy Speaker is that the motion is moved by the Speaker and duly seconded by the Prime Minister.

Which of the statements given above are correct?

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

Correct: A

Source:

LS rules

Explanation:

Rule 8 of LS rules

**21.** Among the following crops, which one is the most important anthropogenic source of both methane and nitrous oxide?

- (a) Cotton
- (b) Rice
- (c) Sugarcane
- (d) Wheat

Correct: B

Source:

<https://www.unep.org/news-and-stories/story/methane-emissions-are-driving-climate-change-heres-how-reduce-them>

Explanation:

**22.** "System of Rice Intensification" of cultivation, in which alternate wetting and drying of rice fields is practised, results in:

1. Reduced seed requirement
2. Reduced methane production
3. Reduced electricity consumption

Select the correct answer using the code given below :

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

Correct: D

Source:

<https://vikaspedia.in/agriculture/best-practices/sustainable-agriculture/crop-management/sri-2013-new-method-of-growing-rice#:~:text=SRI%20was%20experimented%20in%20all,2003%20Kharif%20with%20encouraging%20results.&text=In%20SRI%20paddy%20cultivation%2C%20less,20%20kg%20seed%20per%20acre.>

<https://news.cornell.edu/stories/2021/02/system-rice-intensification-recognized-climate-policy-impact>

<https://link.springer.com/article/10.1007/s10333-010-0230-6>

**23.** Which one of the following lakes of West Africa has become dry and turned into a desert?

- (a) Lake Victoria
- (b) Lake Faguibine
- (c) Lake Oguta
- (d) Lake Volta

Correct: B

Source:

<https://reliefweb.int/report/mali/mali-climate-change-transforms-lake-faguibine-desert-exiling-population>

24. Gandikota canyon of South India was created by which one of the following rivers?

- (a) Cauvery
- (b) Manjira
- (c) Pennar
- (d) Tungabhadra

Correct: C

Source:

<https://en.wikipedia.org/wiki/Gandikota>

25. Consider the following pairs:

Peak	Mountains
1. Namcha Barwa	- Garhwal Himalaya
2. Nanda Devi	- Kumaon Himalaya
3. Nokrek	- Sikkim Himalaya

Which of the pairs given above is/are correctly matched?

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

Correct: B

Explanation:

"Garwal Himalayas" is part of Uttarakhand, Whereas Namcha Barwa is more close to Arunachal. So the 1st Pair is Incorrect. Nanda Devi is very much a part of Kumaon Himalayas. So the 2nd Pair is correct. Nokrek is there in Meghalya. So the 3rd Pair is Incorrect

26. The term "Levant" often heard in the news roughly corresponds to which of the following regions?

- (a) Region along the eastern Mediterranean shores
- (b) Region along North African stretching from Egypt to Morocco shores
- (c) Region along Persian Gulf and Horn of Africa
- (d) The entire coastal areas of Mediterranean Sea

Correct: A

Source:

<https://en.wikipedia.org/wiki/Levant>

**27.** Consider the following countries:

1. Azerbaijan
2. Kyrgyzstan
3. Tajikistan
4. Turkmenistan
5. Uzbekistan

Which of the above have borders with Afghanistan?

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

Correct: C

Source:

[https://en.wikipedia.org/wiki/Central\\_Asia#/media/File:Map\\_of\\_Central\\_Asia.png](https://en.wikipedia.org/wiki/Central_Asia#/media/File:Map_of_Central_Asia.png)

**28.** With reference to India, consider the following statements:

1. Monazite is a source of rare earths.
2. Monazite contains thorium.
3. Monazite occurs naturally in the entire Indian coastal sands in India.
4. In India, Government bodies only can process or export monazite.

Which of the statements given above are correct?

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

Correct: B

Source:

<https://pib.gov.in/newsite/PrintRelease.aspx?relid=112033>

Explanation:

Statement 3 is incorrect, since all coastal states in India do not have Monazite.

29. In the northern hemisphere, the longest day of the year normally occurs in the :

- (a) First half of the month of June
- (b) Second half of the month of June
- (c) First half of the month of July
- (d) Second half of the month of July

Correct: B

Explanation:

June 21 - Summer Solstice i.e., the 2nd half of month of June.

30. Consider the following pairs:

Wetland/Lake	Location
1. Hokera Wetland	- Punjab
2. Renuka Wetland	- Himachal Pradesh
3. Rudrasagar Lake	- Tripura
4. Sasthamkotta Lake	- Tamil Nadu

How many pairs given above are correctly matched?

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

Correct: B

Explanation:

Hokera - Jammu and Kashmir, Renuka - Himachal Pradesh, Rudrasagar - Tripura, Sasthamkotta - Kerala

31. Consider the following :

- 1. Aarogya Setu
- 2. CoWIN
- 3. digiLocker
- 4. DIKSHA

Which of the above are built on top of open-source digital platforms ?

- (a) 1 and 2 only

(b) 2,3 and 4 only

(c) 1,3 and 4 only

(d) 1,2,3 and 4

Correct: D

Explanation:

Open source refers to a software program or platform with source code that is readily accessible and which can be modified or enhanced by anyone.

Aarogya Setu- mobile application developed by the Government of India which connects the various

essential health services with the people of India

DIKSHA- Digital Infrastructure for School Education

Digilocker- A Platform for issuance and verification of documents & certificates in digital format

CoWIN- Indian government web portal for COVID-19 vaccination registration

CoWIN, Aarogya Setu, DIKSHA, Digilocker are currently open source platforms.

**32.** With reference to Web 3-0, consider the following statement :

1. Web 3-0 technology enables people to control their own data .
- 2 . In Web 3-0 world, there can be blockchain based social network .
3. web 3-0 is operated by users collectively rather than a corporation .

Which of the statement given above are correct ?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1,2 and 3

Correct: D

Explanation:

Web 3.0 is an advanced Internet technology, combining machine learning, artificial intelligence, and blockchain to enable real-time human communication. Web 3.0 will allow individuals to control their data. The networks in Web 3.0 will be entirely decentralized and owned by the community.

**33.** With reference to “ software as a service (SaaS)” ,consider the following statement:

1. SaaS buyers can customise the user interface and can change data fields .
2. SaaS users can access their data through their mobile devices .
3. Outlook, Hotmail and Yahoo! Mail are forms of SaaS.

Which of the statement given above are correct ?

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

Correct: D

Explanation:

Software as a service (SaaS) is a software distribution model in which a cloud provider hosts applications and makes them available to end users over the internet. SaaS is a method of software delivery that allows data to be accessed from any device with an internet connection and a web browser, which includes mobile devices. Buyers can change the look and feel of the application by customizing the user interface (UI), as well as adjusting particular regions, such as data fields, to change the data that shows. Popular examples of SaaS- MS Outlook, Hotmail, Dropbox, Yahoo Mail etc

**34.** Which one of the following statement best reflects the idea behind the “ Fractional Orbital Bombardment System “ often talked about in media ?

- (a) A hypersonic missile is launched into space to counter the asteroid approaching the earth and explode it in space .
- (b) A spacecraft lands on another planet after making several orbital motion.
- (c) A missile is put into a stable orbit around the earth and deorbits over a target on the Earth.
- (d) A spacecraft moves along a comet with the same speed and places a probe on its surface.

Correct: C

Source:

<https://www.financialexpress.com/defence/chinas-fractional-orbital-bombardment-system-impact-on-indias-nuclear-deterrence-posture/2356471/>

**35.** Which one of the following is the context in which the term "qubit" is mentioned?



- (a) Cloud Services
- (b) Quantum Computing
- (c) Visible Light Communication Technologies
- (d) Wireless Communication Technologies

Correct: B

Source:

<https://www.quantum-inspire.com/kbase/what-is-a-qubit/>

**36.** Consider the following communication technologies:

1. Closed-circuit Television
2. Radio Frequency Identification
3. Wireless Local Area Network

Which of the above are considered Short-Range devices/technologies?

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

Correct: D

Source:

<https://www.etsi.org/technologies/short-range-devices>

**37.** Consider the following statements:

1. Biofilms can form on medical implants within human tissues.
2. Biofilms can form on food and food processing surfaces.
3. Biofilms can exhibit antibiotic resistance.

Which of the statements given above are correct?

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

Correct: D

**38.** Consider the following statements in respect of probiotics:

1. Probiotics are made of both bacteria and yeast.
2. The organisms in probiotics are found in foods we ingest but they do not naturally occur in our gut.
3. Probiotics help in the digestion of milk sugars.

Which of the statements given above is/are correct?

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

Correct: C

Source:

<https://www.optibacprobiotics.com/professionals/latest-research/general-health/probiotic-supplements-help-lactose-intolerance#:~:text=But%20it's%20also%20the%20action,like%20lactase%20and%20can%20help>

[https://www.researchgate.net/figure/Probiotics-are-made-of-both-bacteria-and-yeast-Common-probiotic-bacteria-can-include\\_fig1\\_346037982#:~:text=Common%20probiotic%20bacteria%20can%20include.is%20Saccharomyces%20boulardii%20%5B22%5D](https://www.researchgate.net/figure/Probiotics-are-made-of-both-bacteria-and-yeast-Common-probiotic-bacteria-can-include_fig1_346037982#:~:text=Common%20probiotic%20bacteria%20can%20include.is%20Saccharomyces%20boulardii%20%5B22%5D)

**39.** In the context of vaccines manufactured to prevent COVID-19 pandemic, consider the following statements:

1. The Serum Institute of India produced COVID-19 vaccine named Covishield using mRNA platform.
2. Sputnik V vaccine is manufactured using vector based platform.
3. COVAXIN is an inactivated pathogen based vaccine.

Which of the statements given above are correct?

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

Correct: B

**40.** If a major solar storm (solar flare) reaches the Earth, which of the following are the possible effects on the Earth?

1. GPS and navigation systems could fail.
2. Tsunamis could occur at equatorial regions.
3. Power grids could be damaged.
4. Intense auroras could occur over much of the Earth.
5. Forest fires could take place over much of the planet.
6. Orbits of the satellites could be disturbed.
7. Shortwave radio communication of the aircraft flying over polar regions could be interrupted.

Select the correct answer using the code given below:

- (a) 1, 2, 4 and 5 only
- (b) 2, 3, 5, 6 and 7 only
- (c) 1, 3, 4, 6 and 7 only
- (d) 1, 2, 3, 4, 5, 6 and 7

Correct: C

**41.** "Climate Action Tracker" which monitors the emission reduction pledges of different countries is a:

- (a) Database created by coalition of research organisations
- (b) Wing of "International Panel of Climate Change"
- (c) Committee " under "United Nations Framework Convention on Climate Change"
- (d) Agency promoted and financed by United Nations Environment Programme and World Bank

Correct: A

**42.** Consider the following statements:

1. "The Climate Group" is an international non-profit organization that drives climate action by building large networks and runs them.
2. The International Energy Agency in partnership with the Climate Group launched a global initiative "EP100".

3. EP100 brings together leading companies committed to driving innovation in energy efficiency and increasing competitiveness while delivering on emission reduction goals.
4. Some Indian companies are members of EP100
5. The International Energy Agency is the Secretariat to the "Under2 Coalition".

Which of the statements given above are correct?

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

Correct: B

**43.** "If rainforests and tropical forests are the lungs of the Earth, then surely wetlands function as its kidneys." Which one of the following functions of wetlands best reflects the above statement ?

- (a) The water cycle in wetlands involves surface runoff, subsoil percolation and evaporation.
- (b) Algae form the nutrient base upon which fish, crustaceans, molluscs, birds, reptiles and mammals thrive.
- (c) Wetlands play a vital role in maintaining sedimentation balance and soil stabilization.
- (d) Aquatic plants absorb heavy metals and excess nutrients.

Correct: C

**44.** In the context of WHO Air quality Guidelines, consider the following statements:

1. The 24-hour mean of PM<sub>2.5</sub> should not exceed 15  $\mu\text{g}/\text{m}^3$  and annual mean of PM<sub>2.5</sub> should not exceed 5  $\mu\text{g}/\text{m}^3$ .
2. In a year, the highest levels of ozone pollution occur during the periods of inclement weather.
3. PM<sub>10</sub> can penetrate the lung barrier and enter the bloodstream.
4. Excessive ozone in the air can trigger asthma.

Which of the statements given above are correct?

- (a) 1, 3 and 4
- (b) 1 and 4 only

(c) 2, 3 and 4

(d) 1 and 2 only

Correct: B

**45.** With reference to "Gucchi" sometimes mentioned in the news, consider the following statements:

1. It is a fungus.

2. It grows in some Himalayan forest areas.

3. It is commercially cultivated in the Himalayan foothills of north-eastern India.

Which of the statements given above is/are correct?

(a) 1 only

(b) 3 only

(c) 1 and 2

(d) 2 and 3

Correct: C

Explanation:

Gucchi is a type of Wild Mushroom, belonging to the group of Fungi. It sells at Rs 30,000 per kg. They grow in conifer forests across temperate regions, and the cool foothills of the Himalayas, in states such as Himachal, Uttaranchal and Jammu & Kashmir. Gucci mushrooms cannot be cultivated commercially

**46.** With reference to polyethylene terephthalate, the use of which is so widespread in our daily lives, consider the following statements:

1. Its fibres can be blended with wool and cotton fibres to reinforce their properties.

2. Containers made of it can be used to store any alcoholic beverage.

3. Bottles made of it can be recycled into other products.

4. Articles made of it can be easily disposed of by incineration without causing greenhouse gas emissions.

Which of the statements given above are correct?

(a) 1 and 3

(b) 2 and 4

(c) 1 and 4

(d) 2 and 3

Correct: A

Source:

<https://www.sciencedirect.com/science/article/pii/S0956053X21003056>

<http://www.petrecycling.in/>

**47.** Which of the following is not a bird?

- (a) Golden Mahseer
- (b) Indian Nightjar
- (c) Spoonbill
- (d) White Ibis

Correct: A

Source:

[https://www.wwfindia.org/about\\_wwf/priority\\_species/threatened\\_species/golden\\_mahseer/](https://www.wwfindia.org/about_wwf/priority_species/threatened_species/golden_mahseer/)

**48.** Which of the following are nitrogen-fixing plants?

1. Alfalfa
2. Amaranth
3. Chickpea
4. Clover
5. Purslane (Kulfa)
6. Spinach

Select the correct answer using the code given below:

- (a) 1, 3 and 4 only
- (b) 1, 3, 5 and 6 only
- (c) 2, 4, 5 and 6 only
- (d) 1, 2, 4, 5 and 6

Correct: A

Source:

<https://www.pioneer.com/ca-en/agronomy/alfalfanitrogen.html#:~:text=Alfalfa%20fixes%20more%20nitrogen%20than,harvest%20and%20feed%20to%20livestock.>

<https://www.nationalgeographic.com/culture/article/how-chickpeas-can-fix-soil-and-feed-farmers>

<https://www.ruralsprout.com/nitrogen-fixing-plants/>

**49.** "Biorock technology" is talked about in which one of the following situations?

- (a) Restoration of damaged coral reefs
- (b) Development of building materials using plant residues
- (c) Identification of areas for exploration/extraction of shale gas
- (d) Providing salt licks for wild animals in forests/protected areas

Correct: A

Source:

<https://www.globalcoral.org/biorock-coral-reef-marine-habitat-restoration/>

**50.** The "Miyawaki method" is well known for the:

- (a) Promotion of commercial farming in arid and semi – arid areas
- (b) Development of gardens using genetically modified flora
- (c) Creation of mini forests in urban areas
- (d) Harvesting wind energy on coastal areas and on sea surfaces

Correct: C

Source:

<https://indianexpress.com/article/cities/mumbai/urban-forests-miyawaki-technique-helps-create-dense-green-patches-in-one-year-7218624/>

**51.** In the Government of India Act 1919, the 54. functions of Provincial Government were divided into "Reserved" and "Transferred" subjects. Which of the following were treated as "Reserved" subjects?

1. Administration of Justice
2. Local Self-Government
3. Land Revenue
4. Police

Select the correct answer using the code given below:

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

Correct: C

**52.** In medieval India, the term “Fanam” referred to:

- (a) Clothing
- (b) Coins
- (c) Ornaments
- (d) Weapons

Correct: B

**53.** Consider the following freedom fighters:

1. Barindra Kumar Ghosh
2. Jogesh Chandra Chatterjee
3. Rash Behari Bose

Who of the above was/were actively associated with the Ghadar Party?

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

Correct: D

**54.** With reference to the proposals of Cripps Mission, consider the following statements:

1. The Constituent Assembly would have members nominated by the Provincial Assemblies as well as the Princely States.
2. Any Province, which is not prepared to accept the new Constitution would have the right 'to sign a separate agreement with Britain regarding its future status.

Which of the statements given above is/are correct?

- (a) 1 only



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

Correct: B

**55.** With reference to Indian history, consider the following texts:

1. Nettipakarana
2. Parishishtaparvan
3. Avadanashataka
4. Trishashtilakshana Mahapurana

Which of the above are Jaina texts?

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

Correct: B

**56.** With reference to Indian history, consider the following pairs:

- | Historical person | Known as            |
|-------------------|---------------------|
| 1. Aryadeva       | - Jaina scholar     |
| 2. Dignaga        | - Buddhist scholar  |
| 3. Nathamuni      | - Vaishnava scholar |

How many pairs given above are correctly matched?

- (a) None of the pairs
- (b) Only one pair
- (c) Only two pairs
- (d) All three pairs

Correct: C

**57.** With reference to Indian history, consider the following statements:

1. The first Mongol invasion of India happened during the reign of Jalal-ud-din Khalji.
2. During the reign of Ala-ud-din Khalji, one Mongol assault marched up to Delhi and besieged the city.

3. Muhammad-bin-Tughlaq temporarily lost portions of north-west of his kingdom to Mongols.

Which of the statements given above is/are correct?

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

Correct: B

58. With reference to Indian history, who of the following were known as "Kulah-Daran"?

- (a) Arab merchants
- (b) Qalandars
- (c) Persian calligraphists
- (d) Sayyids

Correct: D

59. With reference to Indian history, consider the following statements:

1. The Dutch Established their factories/warehouses on the east coast on lands granted to them by Gajapati rulers.
2. Alfonso de Albuquerque captured Goa from the Bijapur Sultanate.
3. The English East India Company established a factory at Madras on a plot of land leased from a representative of the Vijayanagara empire.

Which of the statements given above are correct?

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

Correct: B

60. According to Kautilya's Arthashastra, which of the following are correct?

1. A person could be a slave as a result of a judicial punishment.
2. If a female slave bore her master a son, she was legally free.

3.If a son born to a female slave was fathered by her master, the son was entitled to the legal status of the master's son.

Which of the statements given above are correct?

(a)1 and 2 only

(b)2 and 3 only

(c)1 and 3 only

(d)1, 2 and 3

Correct: A

**61.** Consider the following statements:

1. Tight monetary policy of US Federal Reserve could lead to capital flight.

2. Capital flight may increase the interest cost of firms with existing External Commercial Borrowings (ECBs).

3. Devaluation of domestic currency decreases the currency risk associated with ECBS.

Which of the statements given above are correct?

(a)1 and 2 only

(b) 2 and 3 only

(c)1 and 3 only

(d) 1, 2 and 3

Correct: A

**62.** Consider the following States:

1.Andhra Pradesh

2.Kerala

3. Himachal Pradesh

4.Tripura

How many of the above are generally known as tea-producing States?

(a) Only one State

(b) Only two States

(c) Only three States

(d) All four States

Correct: C

Source:

<https://pib.gov.in/PressReleaseDetailm.aspx?PRID=1578137>

Explanation:

Except Andhra Pradesh, all other given states are Tea Producing states.

**63.** Consider the following statements:

1. In India, credit rating agencies are regulated by Reserve Bank of India.
2. The rating agency popularly known as ICRA is a public limited company.
3. Brickwork Ratings is an Indian credit rating agency.

Which of the statements given above are correct?

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

Correct: B

**64.** With reference to the Banks Board Bureau (BBB)', which of the following statements are correct?

1. The Governor of RBI is the Chairman of BBB
2. BBB recommends for the selection of heads for Public Sector Banks.
3. BBB helps the Public Sector Banks in developing strategies and capital raising plans.

Select the correct answer using the code given below:

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

Correct: B

**65.** With reference to Convertible Bonds, consider the following statements:

1. As there is an option to exchange the bond for equity, Convertible Bonds pay a lower rate of interest.
2. The option to convert to equity affords the bondholder a degree of indexation to rising consumer prices.

Which of the statements given above is/are correct?

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

Correct: C

66. Consider the following:

1. Asian Infrastructure Investment Bank
2. Missile Technology Control Regime
3. Shanghai Cooperation Organisation India is a member of which of the above?

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

Correct: D

Explanation:

Asian Infrastructure investment Bank( AIIB)- Multilateral bank that aims to improve economic and infrastructure development in the Asian region

**Missile Technology Control Regime (MTCR)**- Multilateral export control regime to check the proliferation of missiles and missile technology.

Shanghai cooperation organisation(SCO)- Regional political, economic and military organisation based in Eurasia

India is a member of all of the above

67. Consider the following statements:

1. Vietnam has been one of the fastest growing economies in the world in the recent years.
2. Vietnam is led by a multi-party political system.
3. Vietnam's economic growth is linked to its integration with global supply chains and focus on exports.
4. For a long time Vietnam's low labour costs and stable exchange rates have attracted global manufacturers.
5. Vietnam has the most productive e-service sector in the Indo-Pacific region.

Which of the statements given above are correct?

- (a) 2 and 4
- (b) 3 and 5

(c) 1, 3 and 4

(d) 1 and 2

Correct: C

Source:

News Paper

Explanation:

Vietnam, a country in South-East Asia and a member of ASEAN, has been one of the fastest growing economies in the world in the recent years.

Politics of Vietnam is based on socialism and dominated by one political party, the Communist Party.

Low labour costs, better integration with global supply chains and stable exchange rates are some of the strengths observed in the economy of Vietnam.

**68.** In India, which one of the following is responsible for maintaining price stability by controlling inflation?

(a) Department of Consumer Affairs

(b) Expenditure Management Commission

(c) Financial Stability and Development Council

(d) Reserve Bank of India

Correct: D

**69.** With reference to Non-Fungible Tokens (NFTs), consider the following statements:

1. They enable the digital representation of physical assets.

2. They are unique cryptographic tokens that exist on a blockchain.

3. They can be traded or exchanged at equivalency and therefore can be used as a medium of commercial transactions.

Which of the statements given above are correct?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Correct: A

### Explanation

Non-fungible tokens (NFTs) are digital representation of physical assets like real estate etc.

NFTs are unique cryptographic tokens that exist on a blockchain and cannot be replicated. Unlike cryptocurrencies which are Fungible assets, they cannot be traded or exchanged.

**70.** Consider the following pairs:

- | Reservoirs      | States           |
|-----------------|------------------|
| 1. Ghataprabha  | - Telangana      |
| 2. Gandhi Sagar | - Madhya Pradesh |
| 3. Indira Sagar | - Andhra Pradesh |
| 4. Maithon      | - Chhattisgarh   |

How many pairs given above are not correctly matched?

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

Correct: C

Explanation:

Ghataprabha - Karnataka, Gandhi Sagar - Madhya Pradesh, Indira Sagar - Madhya Pradesh, Maithon - Jharkhand

**71.** In India, which one of the following compiles information on industrial disputes, closures, retrenchments and lay-offs in factories employing workers?

- (a) Central Statistics Office
- (b) Department for Promotion of Industry and Internal Trade
- (c) Labour Bureau
- (d) National Technical Manpower Information System

Correct: C

Source:

Labour Bureau website

Explanation:

Labour bureau comes under Ministry of Labour & Employment.

Labour Bureau is responsible for the collation, collection and publication of statistics and related information on wages, earnings, productivity, absenteeism, labour turn-over, industrial relations, working and living conditions and evaluation of working of various labour enactments etc.

**72.** In India, what is the role of the Coal Controller's Organization (CCO)?

1. CCO is the major source of Coal Statistics in Government of India.
2. It monitors progress of development of Captive Coal/Lignite blocks.
3. It hears any objection Government's notification relating to the acquisition of coal-bearing areas.
4. It ensures that coal mining companies deliver the coal to end users in the prescribed time..

Select the correct answer using the code given below:

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

Correct: A

Source:

Coal controller's organisation, Official website

Explanation:

The Coal Controller's Organisation (CCO) is a subordinate office of the ministry of coal, having its headquarters at Kolkata. Below are the important Functions and Responsibilities of CCO:

**\*\*Coal Controller Organisation (CCO) collects and maintains coal production data of all private and public sector coal mines in the country. The information is collected on a monthly basis.**

**\*\*CCO is entrusted with the task of monitoring captive mines**

**\*\*Coal Controller is the competent authority under Coal Bearing Area (Acquisition and Development) Act, 1957 to hear any objection to the Central Government's Notification relating to acquisition of coal**



bearing land and to furnish his reports to Central Govt.

**73.** If a particular area is brought under the Fifth Schedule of the Constitution of India, which one of the following statements best reflects the consequence of it?

- (a) This would prevent the transfer of land of tribal people to non-tribal people.
- (b) This would create a local self-governing body in that area.
- (c) This would convert that area into a Union Territory.
- (d) The State having such areas would be declared a Special Category State.

Correct: A

Source:

Fifth schedule

Explanation:

Fifth schedule - Clause 5(2)

**74.** Consider the following statements:

1. The India Sanitation Coalition is a platform to promote sustainable sanitation and is funded by the Government of India and the World Health Organization.
2. The National Institute of Urban Affairs is an apex body of the Ministry of Housing and Urban Affairs in Government of India and provides innovative solutions to address the challenges of Urban India.

Which of the statements given above is/are correct?

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

Correct: B

Source:

Ministry of Housing and Urban Affairs website

Explanation:

The India Sanitation Coalition (ISC) was launched in 2015 at New Delhi. ISC is a multi-stakeholder platform that brings together the private sector, government, financial institutions, civil society groups, media, donors/bi-lateral/multilateral, experts etc. to work in the sanitation space to drive sustainable sanitation through a partnership model.

Established in 1976, the National Institute of Urban Affairs (NIUA), is a premier Institute of Ministry of Housing and Urban Affairs, Government of India for research and capacity building for the urban sector in India.

75. Which one of the following has been constituted under the Environment (Protection) Act, 1986?

- (a) Central Water Commission
- (b) Central Ground Water Board
- (c) Central Ground Water Authority
- (d) National Water Development Agency

Correct: C

Source:

[http://cgwb.gov.in/aboutcgwb.html#:~:text=Central%20Ground%20Water%20Authority%20\(CGWA\)%20was%20constituted%20under%20sub%2D,and%20management%20in%20the%20country.](http://cgwb.gov.in/aboutcgwb.html#:~:text=Central%20Ground%20Water%20Authority%20(CGWA)%20was%20constituted%20under%20sub%2D,and%20management%20in%20the%20country.)

[Explanation](#)

76. With reference to the "United Nations Credentials Committee", consider the following statements:

1. It is a committee set up by the UN Security Council and works under its supervision.
2. It traditionally meets in March, June and September every year.
3. It assesses the credentials of all UN members before submitting a report to the General Assembly for approval.

Which of the statements given above is/are correct?

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

Correct: A

Source:

United Nations (UN) website

Explanation

A Credentials Committee is appointed at the beginning of each regular session of the General Assembly. It consists of nine members, who are appointed by the General Assembly on the proposal of the President.

The Committee is mandated to examine the credentials of representatives of Member States and to report to the General Assembly. Usually, the committee meets in the month of November

**77.** Which one of the following statements best describes the 'Polar Code'?

- (a) It is the international code of safety for ships operating in polar waters.
- (b) It is the agreement of the countries around the North Pole regarding the demarcation of their territories in the polar region.
- (c) It is a set of norms to be followed by the countries whose scientists undertake research studies in the North Pole and South Pole.
- (d) It is a trade and security agreement of the member countries of the Arctic Council.

Correct: A

Source:

IMO website

Explanation

Polar code is the international Code for Ships Operating in Polar Waters

IMO's International Code for Ships Operating in Polar Waters (Polar Code) is mandatory under both the International Convention for the Safety of Life at Sea (SOLAS) and the International Convention for the Prevention of Pollution from Ships (MARPOL). The Polar Code covers the full range of design, construction, equipment, operational, training, search and rescue and environmental protection matters relevant to ships operating in the inhospitable waters surrounding the two poles.

**78.** With reference to the United Nations General Assembly, consider the following statements:

1. The UN General Assembly can grant observer status to the non-member States.

2. Inter-governmental organisations can seek observer status in the UN General Assembly.

3. Permanent Observers in the UN General Assembly can maintain missions at the UN headquarters.

Which of the statements given above are correct?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Correct: D

**79.** With reference to the "Tea Board" in India, consider the following statements:

1. The Tea Board is a statutory body.

2. It is a regulatory body attached to the Ministry of Agriculture and Farmers Welfare.

3. The Tea Board's Head Office is situated in Bengaluru.

4. The Board has overseas offices at Dubai and Moscow.

Which of the statements given above are correct?

(a) 1 and 3

(b) 2 and 4

(c) 3 and 4

(d) 1 and 4

Correct: D

Source:

<https://www.teaboard.gov.in/home>

Explanation:

It is a statutory body. It is under the Ministry of Commerce and Industry. Head office is located in Kolkata

**80.** Which one of the following best describes the term "greenwashing"?

(a) Conveying a false impression that a company's products are eco-friendly and environmentally sound

(b) Non-inclusion of ecological/environmental costs in the Annual Financial Statements of a country

(c) Ignoring the disastrous ecological consequences while undertaking infrastructure development

(d) Making mandatory provisions for environmental costs in a government project/programme

Correct: A

Source:

<https://www.investopedia.com/terms/g/greenwashing.asp#:~:text=Greenwashing%20is%20the%20process%20of,company's%20products%20are%20environmentally%20friendly.>

**81.** Consider the following statements:

1. High clouds primarily reflect solar radiation and cool the surface of the Earth.

2. Low clouds have a high absorption of infrared radiation emanating from the Earth's surface and thus cause warming effect.

Which of the statements given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Correct: D

Source:

[https://www.nasa.gov/audience/forstudents/5-8/features/F\\_The\\_Role\\_of\\_Clouds.html](https://www.nasa.gov/audience/forstudents/5-8/features/F_The_Role_of_Clouds.html)

Explanation:

Both the statements are incorrect

**82.** Consider the following statements:

1. Bidibidi is a large refugee settlement in north-western Kenya.

2. Some people who fled from South Sudan civil war live in Bidibidi.

3. Some people who fled from civil war in Somalia live in Dadaab refugee complex in Kenya.

Which of the statements given above is/are correct?

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

Correct: C

Source:

<https://en.wikipedia.org/wiki/Dadaab>

[https://en.wikipedia.org/wiki/Bidi\\_Bidi\\_Refugee\\_Settlement](https://en.wikipedia.org/wiki/Bidi_Bidi_Refugee_Settlement)

**83.** Consider the following countries:

1. Armenia
2. Azerbaijan
3. Croatia
4. Romania
5. Uzbekistan

Which of the above are members of the Organization of Turkic States?

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

Correct: C

Source:

[https://en.wikipedia.org/wiki/Organization\\_of\\_Turkic\\_States](https://en.wikipedia.org/wiki/Organization_of_Turkic_States)

**84.** Consider the following statements:

1. Gujarat has the largest solar park in India.
2. Kerala has a fully solar powered International Airport.
3. Goa has the largest floating solar photovoltaic project in India.

Which of the statements given above is/are correct?

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

(C) 1 and 3

(d) 3 only

Correct: B

Source:

<https://www.thehindu.com/sci-tech/energy-and-environment/worlds-largest-solar-park-in-bhadla-india/article37462665.ece> - Statement 1 incorrect,

<https://www.pv-magazine.com/2021/09/17/india-unveils-largest-floating-solar-plant-to-date/> - statement 3 is incorrect

[https://cial.aero/pressroom/newsdetails.aspx?news\\_id=360](https://cial.aero/pressroom/newsdetails.aspx?news_id=360) - Statement 2 is correct

**85.** With reference to the United Nations Convention on the Law of Sea, consider the following statements:

1. A coastal state has the right to establish the breadth of its territorial sea up to a limit not exceeding 12 nautical miles, measured from baseline determined in accordance with the convention.
2. Ships of all states, whether coastal or land-locked, enjoy the right of innocent passage through the territorial sea.
3. The Exclusive Economic Zone shall not extend beyond 200 nautical miles from the baseline from which the breadth of the territorial sea is measured.

Which of the statements given above are correct?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Correct: D

Source:

[https://en.wikipedia.org/wiki/United\\_Nations\\_Convention\\_on\\_the\\_Law\\_of\\_the\\_Sea#:~:text=The%20United%20Nations%20Convention%20on,the%20European%20Union%20are%20parties.](https://en.wikipedia.org/wiki/United_Nations_Convention_on_the_Law_of_the_Sea#:~:text=The%20United%20Nations%20Convention%20on,the%20European%20Union%20are%20parties.)

**86.** Which one of the following statements best reflects the issue with Senkaku Islands, sometimes mentioned in the news?

(a) It is generally believed that they are artificial islands made by a country around South China Sea.

(b) China and Japan engage in maritime disputes over these islands in East China Sea.

(c) A permanent American military base has been set up there to help Taiwan to increase its defence capabilities.

(d) Though International Court of Justice declared them as no man's land, some South-East Asian countries claim them.

Correct: B

Source:

[https://en.wikipedia.org/wiki/Senkaku\\_Islands](https://en.wikipedia.org/wiki/Senkaku_Islands)

87. Consider the following pairs:

- | Country    | Important reason for being in the news recently         |
|------------|---|
| 1. Chad    | - Setting up of permanent military base by China        |
| 2. Guinea  | - Suspension of Constitution and Government by military |
| 3. Lebanon | - Severe and prolonged economic depression              |
| 4. Tunisia | - Suspension of Parliament by President                 |

How many pairs given above are correctly matched?

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

Correct: C

Source:

<https://www.wsj.com/articles/china-seeks-first-military-base-on-africas-atlantic-coast-u-s-intelligence-finds-11638726327> - Pair 1 wrong. China setting up in Equatorial Guinea

<https://www.france24.com/en/live-news/20211213-tunisia-president-extends-parliament-suspension-sets-election-in-1-year> - Pair 4 correct

[https://en.wikipedia.org/wiki/2021\\_Guinean\\_coup](https://en.wikipedia.org/wiki/2021_Guinean_coup) d%27%C3%A9tat#:~:text=On%205%20September%202021%2C%20President,of%20the%20constitution%20and%20government. - Pair 2 is correct

<https://www.worldbank.org/en/news/press-release/2020/11/30/lebanon-is-in-a>



[deliberate-depression-with-unprecedented-consequences-for-its-human-capital-stability-and-prosperity - Pair 3 is correct](#)

**88.** Consider the following pairs:

Region often mentioned - Country  
in the news

1. Anatolia - Turkey
2. Amhara - Ethiopia
3. Cabo Delgado - Spain
4. Catalonia - Italy

How many pairs given above are correctly matched?

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

Correct: B

Pair 1 and 2 correct. Cabo delgado - Mozambique; Catalonia - Spain

**89.** With reference to Indian laws about wildlife protection, consider the following statements:

1. Wild animals are the sole property of the government,
2. When a wild animal is declared protected, such animal is entitled for equal protection whether it is found in protected areas or outside.
3. Apprehension of a protected wild animal becoming a danger to human life is sufficient ground for its capture or killing.

Which of the statements given above is/are correct?

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

Correct: A

Source:

<https://indiankanoon.org/doc/1781078/>

90. Certain species of which one of the following organisms are well known as cultivators of fungi?

- (a) Ant
- (b) Cockroach
- (c) Crab
- (d) Spider

Correct: A

Source:

<https://www.smithsonianmag.com/science-nature/how-ants-became-worlds-best-fungus-farmers-180962871/>

91. Consider the following pairs:

Site of Ashoka's major rock edicts	Location in the State of
1. Dhauli	- Odisha
2. Erragudi	- Andhra Pradesh
3. Jaugada	- Madhya Pradesh
4. Kalsi	- Karnataka

How many pairs given above are correctly matched?

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

Correct: B

92. Consider the following pairs:

King	Dynasty
1. Nannuka	- Chandela
2. Jayashakti	- Paramara
3. Nagabhata II	- Gurjara-Pratihara
4. Bhoja	- Rashtrakuta

How many pairs given above are correctly matched?

- (a) Only one pair

- (b) Only two pairs
- (c) Only three pairs
- (d) All four pairs

Correct: B

**93.** Which one of the following statements about Sangam literature in ancient South India is correct?

- (a) Sangam poems are devoid of any reference to material culture.
- (b) The social classification of Varna was known to Sangam poets.
- (c) Sangam poems have no reference to warrior ethic.
- (d) Sangam literature refers to magical forces as irrational.

Correct: B

**94.** "Yogavasistha" was translated into Persian by Nizamuddin Panipati during the reign of:

- (a) Akbar
- (b) Humayun
- (c) (c) Shahjahan
- (d) Aurangzeb

Correct: A

**95.** The world's second tallest statue in sitting pose of Ramanuja was inaugurated by the Prime Minister of India at Hyderabad recently. Which one of the following statements correctly represents the teachings of Ramanuja?

- (a) The best means of salvation was devotion
- (b) Vedas are eternal, self-existent and wholly authoritative.
- (c) Logical arguments were essential means for the highest bliss.
- (d) Salvation was to be obtained through meditation.

Correct: A

**96.** The Prime Minister recently inaugurated the new Circuit House near Somnath Temple at Veraval. Which of the following statements are correct regarding Somnath Temple?

1. Somnath Temple is one of the Jyotirlinga shrines.

2. A description of Somnath Temple was given by Al-Biruni.

3. Pran Pratishtha of Somnath Temple (installation of the present day temple) was done by President S. Radhakrishnan.

Select the correct answer using the code given below:

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Correct: A

**97.** Which one of the following statements best describes the role of B cells and T cells in the human body?

(a) They protect the body from environmental allergens.

(b) They alleviate the body's pain and inflammation.

(c) They act as immunosuppressants in the body.

(d) They protect the body from the diseases caused by pathogens.

Correct: D

**98.** Consider the following statements:

1 Other than those made by humans, nanoparticles do not exist in nature.

2. Nanoparticles of some metallic oxides are used in the manufacture of some cosmetics.

3. Nanoparticles of some commercial products which enter the environment are unsafe for humans.

Which of the statements given above is/are correct?

(a) 1 only

(b) 3 only

(c) 1 and 2

(d) 2 and 3

Correct: D

Source:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5789313/>

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**99.** Consider the following statements:

DNA Barcoding can be a tool to:

1. assess the age of a plant or animal.
2. distinguish among species that look alike.
3. identify undesirable animal or plant materials in processed foods.

Which of the statements given above is/are correct?

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

Correct: D

Source:

<https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/dna-barcoding>

**100.** Consider the following:

1. Carbon monoxide
2. Nitrogen oxide
3. Ozone
4. Sulphur dioxide

Excess of which of the above in the environment is/are cause(s) of acid rain?

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

Correct: B

Source:

[https://www3.epa.gov/acidrain/education/site\\_students/whatcauses.html#:~:text=Acid%20rain%20is%20caused%20by,pollutants%2C%20known%20as%20acid%20rain.](https://www3.epa.gov/acidrain/education/site_students/whatcauses.html#:~:text=Acid%20rain%20is%20caused%20by,pollutants%2C%20known%20as%20acid%20rain.)