**UP-PSC GS Paper-1**

**Set-4**

**Question Number: 1**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept:**

**Concept Field:**

**Q: 1**

Read the statement above about security in India:

1. Government blocked 59 widely used Chinese app recently
2. Bodo Group and government will came into an agreement to main peace in Arunachal Pradesh
3. India and Myanmar did ‘Operation Sunrise 2’

Choose the correct answer from the code given below?

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 3
4. None of these

**Answer:** C

**Explanation:**

**North East- stability and Nuisance-**

* Armed gangs and Groups like **National Socialist Council of Nagaland** (NSCN) Khaplang undermining sovereignity of legitimate Government.
* Agreement between Government and **Bodo Groups** to maintain peace in Assam. **Hence statement 2 is incorrect.**
* **Bru Refugee Issue**
* **“Operation Sunrise 2”** between India and Myanmar : coordinated operation by armies of India and Myanmar along the border. **Hence statement 3 is correct.**

**Data security-**

* Government blocked **59 widely used apps**, most linked to Chinese companies like TikTok, UC Browser, SHAREit etc. Hence option 1 is correct.
* Government blocked **PubG Game**
* **RBI** Data localization Norms
* **Personal Data Protection Bill 2019**

**Question Number: 2**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept: Current affairs**

**Concept Field: Govt. Schemes**

**Q: 2**

Read the statement given below:

1. Ministry of Food and agriculture industries has setup first mega park at Mizoram
2. Government of India with collaboration of World Bank signed an agreement for the MSME emergency response program.
3. Only 1
4. Only 2
5. Both of these
6. Neither 1 nor 2

**Answer:** B

**Explanation:**

**Zoram Food Park =** Recently, Ministry of food processing industries has

operationalized the first Mega Food Park (MFP) of Mizoram under the ‘Mega Food Park

Scheme’ + It will boost the North-East Region’s potential to become the organic destination of the world due to its rich agricultural and horticultural produce.

**MSME Emergency Response Programme =** World Bank and the Government of India

signed an agreement for the MSME Emergency Response Program. It involves loan

from the International Bank for Reconstruction and Development (IBRD) + to support

increased flow of finance into the hands of MSMEs severely impacted by the COVID-19

crisis.

**Question Number: 3**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept: Current Affairs**

**Concept Field: Wildlife Sanctuary**

**Q: 3**

Match the following places with their destination:

* Sharavathi lion-tailed Macaque wildlife sanctuary 1. Assam
* Nagarhole national Park 2. Karnataka
* Jeypore rain forest 3.Karnataka
* Namdapha National Park 4. Arunachal Pradesh

Code:

1. 4-3-2-1
2. 1-3-2-4
3. 2-3-1-4
4. 3-2-1-4

**Answer:** D

**Explanation:**

**Nagarhole National park** = It is located in Karnataka and in the Nilgiris-Eastern Ghats

**Sakteng Wild life Sanctuary =** Located in Eastern Bhutan that borders Arunachal Pradesh. China claims Sakteng Wildlife sanctuary as its territory. China and Bhutan has three other specific disputed areas, including Jakarlung and Pasamlung in the north, and the Chumbi Valley, where Doklam is situated, in west Bhutan.

**New Butterfly Species in India =** Recently, lepidopterists have discovered the 2 new species of butterfly i.e. Striped Hairstreak and Elusive Prince in Namdapha National Park**,** Changlang district of Arunachal Pradesh.

**Sharavathi Lion-Tailed Macaque Wildlife Sanctuary** = Karnataka

**Question Number: 4**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept:**

**Concept Field:**

**Q: 4**

Read the statement given below:

1. Keelback a snake endemic in Assam, has been found 129 years after it was last spotted from the Gelling area of Mizoram.
2. Shivalik forest in the Saharanpur circle is going to declared as a tiger reserve
3. Hundreds of elephants have died mysteriously in Botswana’s famed Okavango Delta

Choose the correct option from the statement given below?

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 3
4. All of these

**Answer:** B

**Explanation:**

**Assam Keelback** = snake endemic to Assam, has been found 129 years after it was last spotted from the Gelling area of Arunachal Pradesh + a non-venomous snake. It is categorised as ‘data deficient’ in the IUCH List. In 2018, it was found in the Poba Reserve Forest (RF) by a team of scientists from the Wildlife Institute of India (WWI), who were retracing the steps of the Abor Expedition(Abor Expedition was a military expedition by the British against the Abors in 1911). (Poba Reserve Forest = Poba RF is located along the Assam-Arunachal border, in Assam).

**Shivalik forest** = Corridor, located at the foothills of the Shivalik range, connects four States — Himachal Pradesh, Uttarakhand, Haryana and Uttar Pradesh. Recently, a proposal to the Uttar Pradesh government to declare the Shivalik forest in the Saharanpur circle a tiger reserve. If accepted, it would be the fourth tiger reserve in Uttar Pradesh after Amangarh in Bijnor, Pilibhit and Dudhwa.

**Okavango Delta** = vast inland river delta in northern Botswana(landlocked southern African country and has the world’s largest elephant population). Hundreds of elephants have died mysteriously in Botswana’s famed Okavango Delta.

**Question Number: 5**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Environment and ecology**

**Sub- Concept:**

**Concept Field:**

**Q: 5**

Read the statement given below:

1. Ypthimawatsoni, an species of Turtle have been found in Mizoram recently
2. Eulophia Obtuse, an orchid species has been rediscovered in Dudhwa tiger reserve, UP
3. Tetrastemma freyae is a marine invertebrate found in tamilnadu

Choose the correct option from the statement given below.

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 3
4. All of these

**Answer:** A

**Explanation:**

**Ypthimawatsoni =** Recently, a team of wildlife researchers has rediscovered this butterfly from Phuldungsei in Jampui Hills under the North Tripura district after 61 years. The species was last seen in the year 1958 in Manipur.

**Eulophia Obtuse =** After 100 years this rare orchid species has been rediscovered from Dudhwa Tiger Reserve, Uttar Pradesh + Status: Critically Endangered. The species was originally described from Uttarakhand in the 19th century, it was last recorded in Pilibhit in 1902. Dudhwa Tiger Reserve: Uttar Pradesh, was brought under the purview of the ‘Project Tiger’ in 1987.

**Tetrastemma Freyae =** Recently, researchers have identified a new species of marine invertebrate i.e. 'Tetrastemma Freyae', along the coast of Tamil Nadu. It is associated with sediments and is predatory as it has a role in maintaining the food chain. It feeds on dead and decaying material and helps to recycle nutrients in coastal and deep water sediments. It uses its proboscis, similar to a butterfly which does to collect nectar.

**Question Number: 6**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Environment**

**Sub- Concept:**

**Concept Field:**

**Q: 6**

Ophicordyceps nutans is a variety of fungus found first time at Kanger valley National park. Where it has been found?

1. Tamil Nadu
2. Mizoram
3. Chhattisgarh
4. Assam

**Answer:** C

**Explanation:**

**Ophicordyceps nutans** = It is a variety of Fungus and Researchers have now found these fungi for the first time in central India at Kanger Valley National Park in Chhattisgarh (Earlier Founded in Western Ghats Only). fungus was found on its specific host insect Halyomorpha halys, also called the stink bug, this insect is a pest to forest trees and agricultural crops. It is claimed that fungus contains a component called ‘cordycepin’ which has anticancer properties.

**Question Number: 7**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Science and Technology**

**Sub- Concept:**

**Concept Field:**

**Q: 7**

Which of the following methods is/are *not* preferred by the astronomers to discover the Exoplanets?

1. Transiting

2. Gravitational lensing

3. Geodessy

Choose the correct option from the statement given below.

1. Only 1
2. Only 2
3. Only 3
4. All of these

**Answer: C**

**Explanation:**

|  |
| --- |
| In astronomy, a transit (or astronomical transit) is a phenomenon when a celestial body passes directly between a larger body and the observer. As viewed from a particular vantage point, the transiting body appears to move across the face of the larger body, covering a small portion of it. It can be used by the astronomers to discover the Exoplanets. |
| The phenomenon of gravitational lensing occurs when a huge amount of matter, such as a massive galaxy, cluster of galaxies or a black hole, creates a gravitational field that distorts and magnifies the light from objects behind it. It can be used by the astronomers to discover the Exoplanets. |
| **Geodesyis** the Earth science of accurately measuring and understanding Earth's geometric shape, orientation in space and gravitational field. **So, option (c) is correct.** |

**Question Number: 8**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept: Science and Tech**

**Concept Field:**

**Q: 8**

During the Chandrayaan-2 mission the term “Soft Landing” used. Which of the following statements best describes about the term “Soft landing” for Chandrayaan-2?

1. Refers for the controlled rate of landing on the axix of a planet by reducing the reentry speed with the help of parachutes
2. Targeted landing at the North polar site by boosting the velocity of lander with targeted aerodynamic control systems
3. Thrusters of the spacecraft are fired to reduce the landing speed almost to zero towards the moon’s surface
4. Making sure that the four legs of the spacecraft to grasp the base at the surface of moon altogether with greater vertical force

**Answer: C**

**Explanation:**

|  |
| --- |
| The soft landing is the descent of a lander at a reduced speed of around 7 kmph or 2 metres per second. Here it best describes the thrusters of the spacecraft are fired to reduce the landing speed almost to zero towards the moon’s surface. **So, option (c) is correct.**  Chandrayaan-2 is India’s first lander mission. It consists of an Orbiter, Lander and Rover, all equipped with scientific instruments to study the moon. The Lander and Rover modules will separate from the orbiter and make a soft-landing on moon’s surface (either on September 5 or 6, 2019). The lander and rover are designed to work for only 14 days (1 lunar day) while the orbiter would remain in orbit for a year. |

**Question Number: 9**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Polity**

**Sub- Concept:**

**Concept Field:**

**Q: 9**

Which of the following is/are the function(s) of the Department of Military Affairs under the Union Ministry of Defence in India?

1. Preparation of Defence Budget.

2. Promotion of Defence cooperation with foreign countries.

3. Promoting jointness among the three Armed forces of India.

Select the correct answer using the option given below.

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 2
4. Only 3

**Answer:** D

**Explanation:**

**The Department of Military Affairs** - This Department deals with the Armed Forces of the Union namely, Army, Navy and Air Force; Integrated Headquarters of the Ministry of Defence; the Territorial Army; Works relating to the three services etc. The Department promotes jointness among the three Services. **So, Option (D) is correct.**

**The Department of Defence** - The Department of Defence is mandated with Defence of India including defence policy. It deals with Inter-Services Organizations, Defence Accounts Department, Coast Guard, National Cadet Corps, Border Roads Organisation, Institute for Defence Studies and Analysis, National Defence College etc. It is responsible for the Defence Budget, defence lands and cantonments, matters relating to Parliament, and defence cooperation with foreign countries.

**Question Number: 10**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Environment**

**Sub- Concept:**

**Concept Field:**

**Q: 10**

Consider the following statements about the Acts related to the forests in India:

1. The Indian Forest conservation Act, 1925 was abolished to ‘consolidate the law related to forest, the transit of forest produce and the duty liable on timber and other forest produce’.

2. The Forest (Conservation) Act, 1980 was enacted to regulate diversion of forest lands for non-forestry purposes.

Which of the statements given above are correct?

1. Only 1
2. Only 2
3. Both of these
4. Neither 1 nor 2

**Answer:** B

**Explanation:**

|  |
| --- |
| The Indian Forest Act, 1927- was enacted to ‘consolidate the law related to forest, the transit of forest produce, and the duty liable on timber and other forest produce’. **So, Statement 1 is not correct.** |
| The Forest (Conservation) Act, 1980 was enacted to regulate diversion of forest lands for non-forestry purposes. **So, Statement 2 is correct.** |

The Union Minister for Environment, Forest and Climate Change recently released the biennial “India State of Forest Report (ISFR)” for 2019. The report is published by the Forest Survey of India (FSI). FSI has been mandated to assess the forest and tree resources of the country including wall-to-wall forest cover mapping in a biennial cycle.

**Question Number: 11**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept:**

**Concept Field: Temples**

**Q: 11**

Consider the following pairs of temple and river:

**Temple River**

1. Kashi Vishwanath Ganga

Temple

2. Sringeri Sharadamba Tungabhadra

temple

3. Srirangam Temple Kaveri

Which of the pairs given above are correctly matched?

1. Only 1
2. Only 2 and 3
3. All 1, 2 and 3
4. Only 3

**Answer: C**

**Explanation:**

|  |
| --- |
| Kashi Vishwanath Temple is one of the most famous Hindu temples of Lord Shiva. It is located in Varanasi, Uttar Pradesh, India. The Temple stands on the western bank of the holy river Ganga, and is one of the twelve Jyotirlingas, the holiest of Shiva Temples. **So,1 is correctly matched.** |
| Dakshinamnaya Sringeri Sharada Peetha is one of the four Advaita Vedanta monastery established by Adi Shankara in Sringeri, the others being Dwaraka, Govardhana and Jyotirmath. The Sringeri matha is on the banks of the Tunga River in Chikkamagalur district located in the Western Ghats. **So, 2 is correctly matched.** |
| The Sri Ranganathaswamy Temple or Thiruvarangam is a Hindu temple dedicated to Ranganatha, a reclining form of the Hindu deity Maha Vishnu, located in Srirangam on the banks of river kauvery, Tiruchirapalli, Tamil Nadu. **So, 3 is correctly matched.** |

**Question Number: 12**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: History**

**Sub- Concept: Modern History**

**Concept Field:**

**Q: 12**

Consider the following:

1. Bahishkrit Hitkarnini Sabha

2. Independent Labour Party

3. People’s Education Society

Which of the establishments mentioned above is/are associated with B.R. Ambedkar?

**Answer:** C

**Solution:**

|  |
| --- |
| B.R. Ambedkarestablished the BahishkritHitakarini Sabha to promote education and socio-economic improvements among the Dalits. |
| Ambedkar founded the Independent Labour Party (later transformed into the Scheduled Castes Federation) in 1936. |
| The People's Education Society was founded by BharatratnaDr. Babasaheb Ambedkar at Mumbai in 1945. **So, Option (d) is correct.** |

He was popularly known as Baba Saheb. He was the Chairman of the Drafting Committee of the Constituent Assembly and is called the ‘Father of the Indian Constitution’.He was a brilliant student and had doctoral degrees in economics from Columbia University and the London School of Economics. Ambedkar was against the caste-based discriminations in society and advocated the Dalits to organise and demand their rights.

**Question Number: 13**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: History**

**Sub- Concept: Medieval history**

**Concept Field:**

**Q: 13**

According to Sufi Literature, the term “Maktubat” refers to

1. manuals dealing with Sufi religion and practices
2. conversations of the Sufi saints in the form of song
3. collection of Letters written by Sufi masters
4. biographical accounts of the Sufi ancestors

**Answer:** C

**Explanation:**

|  |
| --- |
| Maktubat is the common term referred to the letters of Sufi sheikhs and scholars.The Maktubat of Sheikh Ahmad Sirhindi are indeed the most popular among the letters of sufi sheikhs. This book is a classical and most venerated book of Sufism that covers classical Sufism, methodologies, beliefs and practices of Islam and many other spiritual secrets. **So, Option (c) is correct.** |
| Tazkiras are the hagiographies that were compiled after a saint's death.Mir KhwurdKirmani'sSiyar ul Auliya was the first Sufi tazkira written in India. |

**Question Number: 14**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept:**

**Concept Field:**

**Q: 14**

Consider the following riverine islands in India and the Indian states associated with them:

1. Majuli - Assam

2. Nongkhnum - Arunachal Pradesh

3. Omkareshwar - Madhya Pradesh

4. Munroe - West Bengal

Which of the following given pair above is correctly matched?

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 3
4. All of these

**Answer:** C

**Explanation:**

|  |
| --- |
| Mājuli or Majoli is a river island in the Brahmaputra River, Assam and in 2016 it became the first island to be made a district. **Hence 1 is correct.** |
| Nongkhnum River Island is the biggest river island in the Indian state of Meghalaya and the second biggest river island in Asia, after Majuli Island in Assam. The island is formed by the river Wah Kynshi on the west and south and river Namiliang on the north and east. |
| Omrakeshwar is an island formed by the river Narmada in Madhya Pradesh. **So, Pair 3 is correctly matched.** |
| Munroe Island or Mundrothuruthu is an inland island group located at the confluence of Ashtamudi Lake and the Kallada River, in Kollam district, Kerala, South India. |

**Question Number: 15**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: History**

**Sub- Concept: Modern History**

**Concept Field:**

**Q: 15**

Consider the following statements about the Montague-Chelmsford Reforms:

1. It introduced the provision for joint sitting in cases of deadlock between the legislative bodies at the Centre.

2. This Act, for the first time, separated the provincial and the central budgets.

Which of the statements given above is/are correct?

1. Only 1
2. Only 2
3. Both of these
4. None of these

**Answer:** B

**Explanation:**

|  |
| --- |
| Government of India Act, 1935 introduced provision for joint sitting in cases ofdeadlock between the houses. There were to be three subjectlists—the Federal Legislative List, the Provincial LegislativeList and the Concurrent Legislative List. Residuarylegislative powers were subject to the discretion of thegovernor-general. Even if a bill was passed by the federallegislature, the governor-general could veto it, while evenActs assented to by the governor-general could be disallowedby the King-in-Council. **So, Statement 1 is not correct.** |
| Government of India Act, 1919 (Montague-Chelmsford Reforms) separated for the first time the provincialand central budgets, with provincial legislatures being authorised to make their budgets. **So, Statement 2 is correct.** |

**Question Number: 16**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Indian Economy**

**Sub- Concept:**

**Concept Field:**

**Q: 16**

Consider the point about India’s second Voluntary national review (VNR):

1. It is presented by Niti Aayog
2. VNR 2020 report title was Decade of Action: taking SDGs from global to Local

Select the correct answer from the option given below.

1. Only 1
2. Only 2
3. 1 and 2 only
4. None

**Answer: C**

**Explanation:**

NITI Aayog presented India VNR 2020 report titled **Decade of Action: Taking SDGs from Global to Local** at UN’s High-level Political Forum (HLPF) meeting.

VNR is a process through which **countries assess and present progress made** in achieving the global goals and the pledge to leave no one behind. **It facilitates the sharing of experiences,** including successes, challenges and lessons learned, with a view to accelerating the implementation of the 2030 Agenda. It also **seeks to strengthen policies and institutions of governments** and to mobilize multi-stakeholder support and partnerships for the implementation of the Sustainable Development Goals. **Indian VNR 2020 report presents** a review of progress on 17 SDGs, **India’s approach to localising SDGs**, and strengthening means of implementation

**Question Number: 17**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept: Schemes**

**Concept Field:**

**Q: 17**

Read the statement given below about Atal innovation mission:

1. Niti Aayog Atal innovation mission has launched AIM iCREST recently
2. It will help in facilitating Atma Nirbhar by boosting startup in the country

Which of the statements given above is/are correct?

1. 1 only
2. 2 only
3. Both 1 and 2
4. Neither 1 nor 2

|  |
| --- |
| **Answer: C**  **Explanation:** |

Recently, NITI Aayog’s Atal Innovation Mission (AIM), has launched AIM iCREST. Hence option 1 is correct. It is an **incubator capabilities enhancement program** for a robust ecosystem focused on creating high performing Startups. It is a **first of its kind** initiative for advancing innovation at scale in India. Under the initiative, the **AIM’s incubators are set to be upscaled and provided requisite support to foster the incubation enterprise economy**, by providing training to entrepreneurs, through technology driven processes and platforms.

It will **help to facilitate an AtmaNirbhar ecosystem** that is capable of nurturing such disruptive startups ecosystem. Hence statement 2 is correct.

**Question Number: 18**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Static G.K**

**Sub- Concept: current affairs**

**Concept Field:**

**Q: 18**

Read the statement given below and choose correct statement about it:

1. Recently Operation Samudra Setu has been completed by Indian navy which aimed at bringing 4,000 Indian Citizens.
2. Indian naval ships Jalashwa and Airavat take part in Operation Samudra Setu
3. Ministry of farming and dairy industries has to setup a fish cryobank.

Select the correct answer from the option given below.

1. 1 and 2 only
2. 1 and 3 only
3. 2 and 3 only
4. 1, 2 and 3 only

|  |
| --- |
| **Answer: D**  **Explanation:** |

Indian Navy has completed Operation Samudra Setu which was aimed at bringing nearly 4,000 Indian citizens from overseas during the COVID-19 pandemic**. Indian Naval Ships Jalashwa, Airavat, Shardul and Magar** participated in the operation. Earlier evacuation operations by Indian navy: Operation Sukoon in 2006 (Beirut) and Operation Rahat in 2015 (Yemen). Hence option 1 and 2 are correct.

**Ministry for Fisheries, Animal Husbandry and Dairying** has announced setting up of fish cryobanks. This would be the **first time in the world** when “Fish Cryobank” will be established. It will facilitate all time **availability of fish sperms of desired species** to fish farmers. Hence option 3 incorrect.

**Question Number: 19**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Environment and Ecology**

**Sub- Concept:**

**Concept Field:**

**Q: 19**

Read the statement about Central zoo Authority which is in news recently:

1. It is a statutory body under ministry of Environment, forest and climate change.
2. It was constituted in 1992under wildlife protection act, 1972.
3. It consist a chairman and 11 members and a member secretary

Select the in-correct answer from the option given below.

1. 1 and 2 only
2. 3 only
3. 2 only
4. 1 and 3 only

**Answer: B**

**Explanation:**

Recently, the Ministry of Environment, Forest and Climate Change has reconstituted the Central Zoo Authority (CZA) to include an expert from the School of Planning and Architecture, Delhi, and a molecular biologist. Now, it consists Union Minister of Environment, Forest and Climate Change as **Chairperson,** 10 members and a Member Secretary. The CZA is a statutory body under the Ministry of Environment, Forest and Climate Change. It was **constituted in 1992 under the Wildlife (Protection) Act, 1972.**

**Question Number: 20**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Environment and Ecology**

**Sub- Concept:**

**Concept Field:**

**Q: 20**

Read the statement about tiger reserve in India:

1. A golden tiger is also called tabby tiger
2. Kazi 106F is India’s only golden tiger found in Kaziranga National park in Assam
3. They have their rare skin tone due to excessive breeding

Which of the statements given above is/are correct?

1. 1 only
2. 2 and 3only
3. Both 1 and 2
4. All of these

**Answer:** C

**Explanation:**

|  |
| --- |
| It is **India’s only Golden Tiger** found in **Kaziranga National Park of Assam**.hence statement 1 is correct.  **A golden tiger**, also called tabby tiger or strawberry tiger, is a tiger with a **color variation** caused by a **recessive gene**. So, statement is correct.  Their rare skin tone is a result of **excessive inbreeding**. **Inbreeding is defined as** the probability of two alleles in an individual being identical by descent, and is normally the result of mating related individuals. It can increase the chances of offspring being affected by deleterious or recessive traits. Hence statement 3 is correct.  **The yellow skin** of tigers is controlled by a set of ‘**agouti genes’** while the **black stripes** are controlled by **‘tabby genes’** and their alleles. **Suppression** of any of these genes may lead to **color variation** in a tiger. Golden tigers are characterized by **blonde or pale-golden color and reddish stripes** in place of black like in normal tigers. |

**Question Number: 21**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Science and technology**

**Sub- Concept:**

**Concept Field:**

**Q: 21**

Consider the following statement:

1. Nano-biotechnology is a field of applied science and technology

2. Nano-biotechnology help in agriculture by enhancing soil fertility and productivity

3. It has extreme soil nutrient runoff which will decrease the moisture if soil

Which of the following statement is correct?

1. Only 1 and 2
2. Only 2 and 3
3. Only 1 and 3
4. All of these

**Answer:** A

**Explanation:**

Nanotechnology refers to a **field of applied science and technology** whose unifying theme is the control of matter on the molecular level in **scales smaller than 1 micrometre, normally 1 to 100 nanometres,** and the fabrication of devices within that size range. **Hence statement 1 is correct.**

It help in

* **Increase productivity**: It helps to increase plant productivity and better crop protection for meeting requirements of providing food to growing population.
* **Increase soil fertility**: In the agri-food areas pertinent applications of nanotubes, fullerenes, biosensors, controlled delivery systems, nanofiltration, etc. proved to be as good in resources management of agricultural field, drug delivery mechanisms in plants and helps to maintain the soils fertility. **Hence option 2 is correct.**

**Question Number: 22**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: History**

**Sub- Concept: Ancient History**

**Concept Field:**

**Q: 22**

Read the statement given below about Gurjar Pratiharas dynasty:

1. Natesha, a sandstone idol of Rajasthan temple of 9th century returned to India
2. Pratihara style of architecture is associated with 8 to 9th A.D

Choose the correct option from the statement given below?

1. Only 1
2. Only 2
3. Both of these
4. None

**Answer: C**

**Explanation:**

Natesa, a 9th century’s rare sandstone idol of Rajasthan temple smuggled out of country in 1998 returned to India.

**Natesa sandstone idol-** Natesa is a rare sandstone idol from the **Pratihara Style of architecture** in Rajasthan. It is originally from the **Ghateswar Temple at Baroli, Rajasthan**. The sandstone Natesa figure stands tall at almost 4 ft in a rare and **brilliant depiction of Shiva**. A depiction of Nandi (sacred bull calf) is shown behind the right leg of the Natesa icon. Pratihara Style of architecture is associated with **Gurjara-Pratihara dynasty around 800-900 AD.**

**Question Number: 23**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Polity**

**Sub- Concept:**

**Concept Field:**

**Q: 23**

Who among the following can establish a new High Court or establish common High Court for two or more Indian states?

1. President of India
2. The Collegium system in India
3. Indian Parliament by law
4. Union Government of India

**Answer:** C

**Explanation:**

The Constitution of India specifically provides that, Parliament may by law establish a common High Court for two or more States or for two or more States and a Union territory. **So, Option (c) is correct.**

The Constitution of India provides for a high court for each state, but the Seventh Amendment Act of 1956 authorised the Parliament to establish a common high court for two or more states or for two or more states and a union territory. The territorial jurisdiction of a high court is co-terminus with the territory of a state. Similarly, the territorial jurisdiction of a common high court is co-terminus with the territories of the concerned states and union territory.

**Question Number: 24**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: History**

**Sub-Concept: Modern History**

**Concept Field:**

**Q: 24**

Read the following statements about Jyotiba Phule:

1. Lokmanya Bal Gangadhar Tilak gave Jyotirao Phule the title of “Mahatma” in recognition of his selfless services to humanity.

2. He served as a member of Bombay Legislative Council for three successive terms in the latter half of Nineteenth Century.

Which of the statements given above is/are correct?

1. 1 only
2. 2 only
3. Both 1 and 2
4. Neither 1 nor 2

**Answer:** D

**Explanation:**

|  |
| --- |
| The great reformer from Mumbai, Rao Bahadur VithalraoKrishnajiVandekar gave Jyotirao Phule the title of “Mahatma” in May 1888 in recognition of his selfless services to humanity. **So, Statement 1 is not correct.** |
| Both Jyotiba Phule and his wife worked together in the field of Dalit and female education; he was a diligent and a social worker. He did not serve as a member of Bombay Legislative Council. **So, Statement 2 is not correct.** |

**Question Number: 25**

**Question Type: MCQ**

**Question Difficulty Level: Medium**

**Marking: (+1, -0.5)**

**Expected time to solve: 60 seconds**

**Topic: Polity**

**Sub- Concept:**

**Concept Field:**

**Q: 25**

Consider the following pairs:

(Tribal Uprising) (Leader)

1. Khasi Uprising - Tirath Singh

2. Khond Uprising - Sewaram

3. Bhil uprising - Chakra Bisoi

Which of the pairs given above are correctly matched?

1. 1 only
2. 1 and 2 only
3. 2 and 3 only
4. 1,2 and 3

**Answer:** A

**Explanation:**

After having occupied the hilly region between Garo and Jaintia Hills, the East India Company wanted to build a road linking the Brahmaputra Valley with Sylhet. For this, a large number of outsiders including Englishmen, Bengalis and the labourers from the plains were brought to these regions. The Khasis, Garos, Khamptis and the Singphos organised themselves under Tirath Singh to drive away the strangers from the plains. The uprising developed into a popular revolt against British rule in the area. By 1833, the superior English military force had suppressed the revolt. **So, Pair 1 is correctly matched.**