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15+ Questions in the
UPSC Prelims 2023
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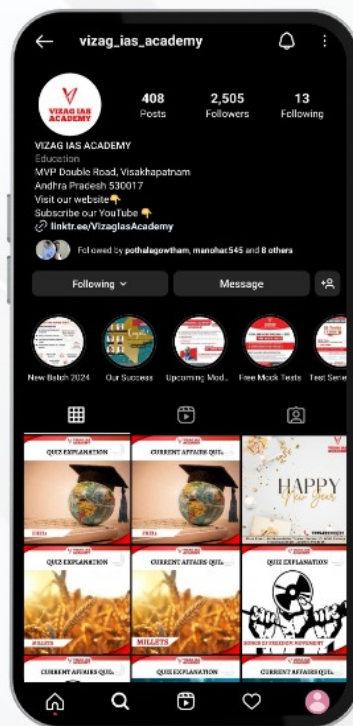
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Test-7 Q.No-25

90. Consider the following :

1. Aerosols
2. Foam agents
3. Fire retardants
4. Lubricants

In the making of how many of the above are hydrofluorocarbons used?

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

In which of the following industries, Hydrofluorocarbons are used?

1. Refrigerants
2. Aerosol propellants
3. Fire retardants

Select the correct option from the codes given below:

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

Test-11 Q.No-89

31. Consider the following countries :

1. Bulgaria
2. Czech Republic
3. Hungary
4. Latvia
5. Lithuania
6. Romania

How many of the above-mentioned countries share a land border with Ukraine?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) Only five

Which of the following countries share boundary with Ukraine:

- a) Russia, Belarus, Slovakia, Hungary, Georgia only
- b) Russia, Belarus, Slovakia, Hungary, Georgia, Turkey only
- c) Russia, Belarus, Poland, Slovakia, Hungary, Romania Only
- d) Russia, Belarus, Slovakia, Hungary, Georgia, Romania only

Test-12 Q.No-96

46. Consider the following pairs :

Objects in space	Description
1. Cepheids	: Giant clouds of dust and gas in space
2. Nebulae	: Stars which brighten and dim periodically
3. Pulsars	: Neutron stars that are formed when massive stars run out of fuel and collapse

How many of the above pairs are correctly matched?

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

Consider the following statements about Quasars and Pulsars

1. A Pulsar is a neutron star.
2. A quasar is a supermassive black hole.

Which of the above statements is/are **incorrect**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

* Test explanation covers all the options asked in the UPSC question. Links are given in the last page.

Test-2 Q.No-16

12. Consider the following pairs :

- | Site | Well known for |
|-----------------|------------------------|
| 1. Besnagar | : Shaivite cave shrine |
| 2. Bhaja | : Buddhist cave shrine |
| 3. Sittanavasal | : Jain cave shrine |

How many of the above pairs are correctly matched?

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

With reference to Cave and Religious art of India, consider the following statements:

Cave Art & Architecture	Influencing Religion
1. Sittannavasal Caves	Jainism only
2. Badami Caves	Hinduism & Jainism only
3. Ajanta Caves	Buddhism only
4. Ellora Caves	Hinduism, Buddhism & Jainism

How many of the above pairs are correctly matched?

- a) One pair only
- b) Two pairs only
- c) Three pairs only
- d) All four pairs

53. Consider the following pairs :

<i>Regions often mentioned in news</i>	<i>Reason for being in news</i>
--	---------------------------------

1. North Kivu and Ituri	: War between Armenia and Azerbaijan
-------------------------	--------------------------------------

2. Nagorno-Karabakh	: Insurgency in Mozambique
---------------------	----------------------------

3. Kherson and Zaporizhzhia	: Dispute between Israel and Lebanon
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How many of the above pairs are correctly matched?

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

Instagram

Consider the following pairs :

Country	Reason for being in news
1. Ethiopia	National crisis due to sudden spike in fuel prices
2. Chile	New Constitutional framework
3. Ukraine	Zaporizhzhia Nuclear Power Plant
4. El Salvador	First country to adopt Bitcoin as legal tender

How many pairs given above are correctly matched ?

- A** Only one pair
- B** Only two pairs
- C** Only three pairs
- D** All four pairs

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21. Consider the following statements with reference to India :

1. According to the 'Micro, Small and Medium Enterprises Development (MSMED) Act, 2006', the 'medium enterprises' are those with investments in plant and machinery between ₹ 15 crore and ₹ 25 crore. *b*
2. All bank loans to the Micro, Small and Medium Enterprises qualify under the priority sector. *✓*

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

Test-4 Q.No-73

Consider the following statements with reference to the Micro, Small and Medium Enterprises (MSMEs):

1. MSMEs contribute around 30 percent to India's Gross domestic product.
2. A firm is classified as Medium category if its investment in plant and machinery or equipment does not exceed ₹50 crores and its turnover does not exceed ₹250 crores.
3. According to the new definition, export revenue is deducted from total sales while estimating the turnover of MSMEs.
4. MSMEs constitute nearly 50 percent of total exports.

How many statements given above is/are correct?

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

Test-3 Q.No-33

88. Consider the following statements :

1. Ballistic missiles are jet-propelled at subsonic speeds throughout their flights, while cruise missiles are rocket-powered only in the initial phase of flight.

2. Agni-V is a medium-range supersonic cruise missile, while BrahMos is a solid-fuelled intercontinental ballistic missile.

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

With reference to Agni-V, consider the following statements:

- 1. It is a Surface to Air Ballistic Missile.
- 2. It uses a three-stage solid-fuelled engine.
- 3. It is capable of striking targets at ranges above 5,000 kilometers with a very high degree of accuracy.

Which of the statements given above is/are correct?

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

* Test explanation covers all the options asked in the UPSC question. Links are given in the last page.

Test-9 Q.No-28 *

50. With reference to green hydrogen, consider the following statements :

1. It can be used directly as a fuel for internal combustion.
2. It can be blended with natural gas and used as fuel for heat or power generation.

3. It can be used in the hydrogen fuel cell to run vehicles.

How many of the above statements are correct?

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

Which of the following statements is *incorrect* with respect to the Hydrogen Fuel Cell?

- a) In a hydrogen fuel cell, it generates electricity with only water and heat as by-products of the process.
- b) Unlike electric vehicles, FCVs are zero-emission vehicles.
- c) National Hydrogen Mission which aims for generation of hydrogen from green power resources.
- d) None of the above

Test-1 Q.No-17

35. Consider the following statements :

1. In a seismograph, P waves are recorded earlier than S waves. ✓

2. In P waves, the individual particles vibrate to and fro in the direction of wave propagation whereas in S waves, the particles vibrate up and down at right angles to the direction of wave propagation.

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

Consider the following statements regarding Earthquake Waves:

1. All natural earthquakes take place in the lithosphere.
2. Body waves are first generated at the Epicentre and move in all the directions.
3. The S wave propagation reveals that the inner core is made of liquid.

4. P- Waves propagate longitudinally while S-Waves propagate transversally.

Which of the above statements are correct?

a) 2 and 3 only

b) 1 and 4 only

c) 1, 3 and 4 only

d) 1, 2 and 4 only

18. Consider the following statements :

Statement-I :

India accounts for 3.2% of global export of goods.

Statement-II :

Many local companies and some foreign companies operating in India have taken advantage of India's 'Production-linked Incentive' scheme.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- (b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- (c) Statement-I is correct but Statement-II is incorrect
- (d) Statement-I is incorrect but Statement-II is correct

Instagram

Consider the following statements with respect to PLI scheme:

1. It aims to give companies incentives on incremental sales from products manufactured in domestic units only.
2. Scheme invites foreign companies to set up units in India.

Which of the codes given below are correct?

- A Only 1
- B Only 2
- C Both 1 and 2
- D Neither 1 nor 2

* Test explanation covers all the options asked in the UPSC question. Links are given in the last page.

11. In essence, what does 'Due Process of Law' mean?

- (a) The principle of natural justice
- (b) The procedure established by law
- (c) Fair application of law
- (d) Equality before law

Test-2 Q.No-59

“Doctrine of Procedure Established by law and Doctrine of Due Process of law” are related which of the following fundamental rights?

- a) Right to equality
- b) Right to freedom
- c) Right against exploitation
- d) Right to constitutional remedies

* Test explanation covers all the options asked in the UPSC question.
Links are given in the last page.

Instagram

33. Consider the following trees :

1. Jackfruit (*Artocarpus heterophyllus*)
2. Mahua (*Madhuca indica*)
3. Teak (*Tectona grandis*)

How many of the above are deciduous trees?

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

Consider the following plant species:

1. Mahagony
2. Sal
3. Ebony
4. Teak

Which of the above plant species are exclusively grown in tropical evergreen forest ecosystem?

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

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22. With reference to Central Bank digital currencies, consider the following statements :

1. It is possible to make payments in a digital currency without using US dollar or SWIFT system.
2. A digital currency can be distributed with a condition programmed into it such as a time-frame for spending it.

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

Instagram

Recently the Reserve Bank of India has announced the commitment towards introducing the Central Bank Digital currency (CBDC). In this context, Consider the following statements:

1. CBDC is interchangeable with any other fiat currency.
2. e-Rupi is the voucher based digital payment system backed by the Indian rupee.
3. Digital Payments Index is released by RBI.

Which of the above statements are correct?

- A 1 and 3
 B 1 and 2
 C 2 and 3
 D 1, 2 and 3

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Instagram

Consider the following statements about Uranium:

1. Highly enriched uranium (HEU) has a 20% or higher concentration of U-235
2. Enriched Uranium above 90% can be used in Nuclear weapons

3. Under The Joint Comprehensive Plan of Action (Iran Nuclear deal), Iran was limited to enriching uranium to only 3.67%

Which of the codes given below are correct?

- A 1 and 2 Only
- B 1 and 3 Only
- C 2 and 3 Only
- D 1, 2 and 3

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81. Consider the following statements :

Statement-I :

India, despite having uranium deposits, depends on coal for most of its electricity production.

Statement-II :

Uranium, enriched to the extent of at least 60%, is required for the production of electricity.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- (b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- (c) Statement-I is correct but Statement-II is incorrect
- (d) Statement-I is incorrect but Statement-II is correct

Test-2 Q.No-76

65. Consider the following organizations/
bodies in India :

1. The National Commission for Backward Classes ✓
2. The National Human Rights Commission ✓
3. The National Law Commission ,
4. The National Consumer Disputes Redressal Commission

How many of the above are constitutional bodies?

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

Which of the following bodies are first statutory bodies and later became constitutional bodies?

1. National Commission for SCs
2. National Commission for STs
3. National Commission for OBCs
4. National Commission for Women

Select the correct answer from the codes given below:

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



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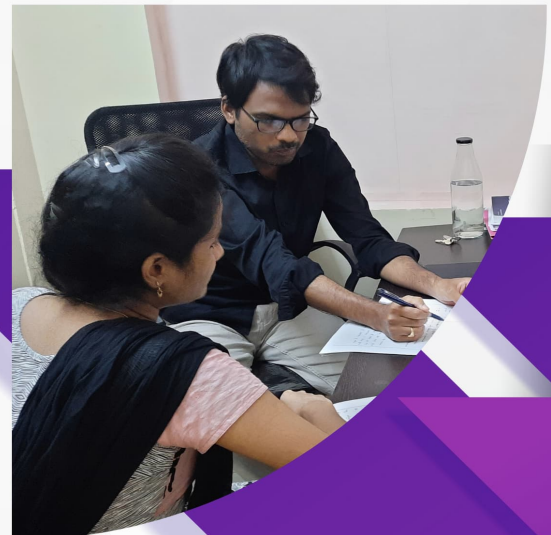
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