

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

Name: Mayank
Mudgil

UPSC

ID: 883478

Date: 05 Jan 22

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q.1 Jyotiba Phule was not only a key social reformer but also a patron of literary works.
Discuss.

Jyotiba Phule was a prominent social Reformer ~~that~~ who worked for depressed castes and emancipation of women.

Social Work

- 1) Fought against caste discrimination
- 2) Challenged the societal setup and preached for equality & liberty.

- 3) worked for women's rights

→ Opened a shelter for widows in Pune alongwith wife Savitribai Phule.

This was also complimented by his patronage to the literary works.

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

- 1) Gulamgiri aimed to highlight the ostracization inflicted on the depressed classes.
- 2) Sarvajanik Satyadharma preached for the ideals of social equality and importance of education for upliftment of depressed classes.

He established "Satyashodhak Samaj" or "Truth Seekers Society" to give an institutional push to his societal reforms.

Q 2 Cave paintings in India have a long tradition with both religious as well as secular attributes. Elucidate.

Cave paintings depict the historical art of Indian society and are an important source to understand ancient & medieval art setup.

Religious Attributes

- 1) Depict the prevailing religious ideologies and spread the ideas to the travellers / monks.
- 2) Ajanta Caves in Aurangabad have Jataka Stories in Painting forms.
Eg. ① Bhumi sparsha Mudra of Buddha in front of Mara Army.
② Bodhi satva Padmapani in Cave 1.

(Please do not
write anything except
the question number
in this space)
कृपया इस स्थान
में प्रश्न संख्या के
अतिरिक्त कुछ
न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को
इस हाशिए में
नहीं लिखना
चाहिए
Candidates
must not
write on this
margin

3) Ellora Caves, Maharashtra depict religious themes of Buddhism, Jainism & Hinduism, giving a secular character as well.

Secular Attributes

4) Various Neolithic paintings depict hunting & gathering, group dances, etc.

5) Bhimbetka Caves in MP are a storehouse for early human paintings involving stick figures (petroglyphs), sexual union / worship, etc.

Thus, cave paintings in India display a wide range of variety and hold the key to boost tourism sector in India.

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.

Content of the Question is more important than length.

(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हार्शिंग में नहीं लिखना चाहिए - Candidates must not write on this margin

Q3 The Swadeshi movement started as an anti-partition movement, but became a multi-faceted mass movement after 1905. Elaborate

The ~~swadeshi~~ partition of Bengal was announced by Lord Curzon in 1903. This sparked the reactionary element in the population, giving rise to the "Swadeshi Movement" in Bengal.

Anti-Partition Character

Against the divide & rule policy Public meetings were held, songs were sung "Rakhi" campaigns were organised.

In 1905 Banarasi session under G.K. Gokhale, the Swadeshi movement became multi-faceted

once the Extremists came to centre stage.

[Multifaceted character]

1) Boycott of foreign cloth, liquor shops was done

2) "Swadeshi" industries were setup to promote Indian products.

Eg. Swadeshi Steam Navigation Company

3) Schools and Universities were setup to educate children ~~and~~

Eg. Bengal National College and set up of National Council of Educators

4) Indian Society of Oriental Art was set up in 1907. Nandalal Bose got the first scholarship.

This gave the further rise to nationalistic feeling in masses, only to be used further by Gandhiji in freedom struggle.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

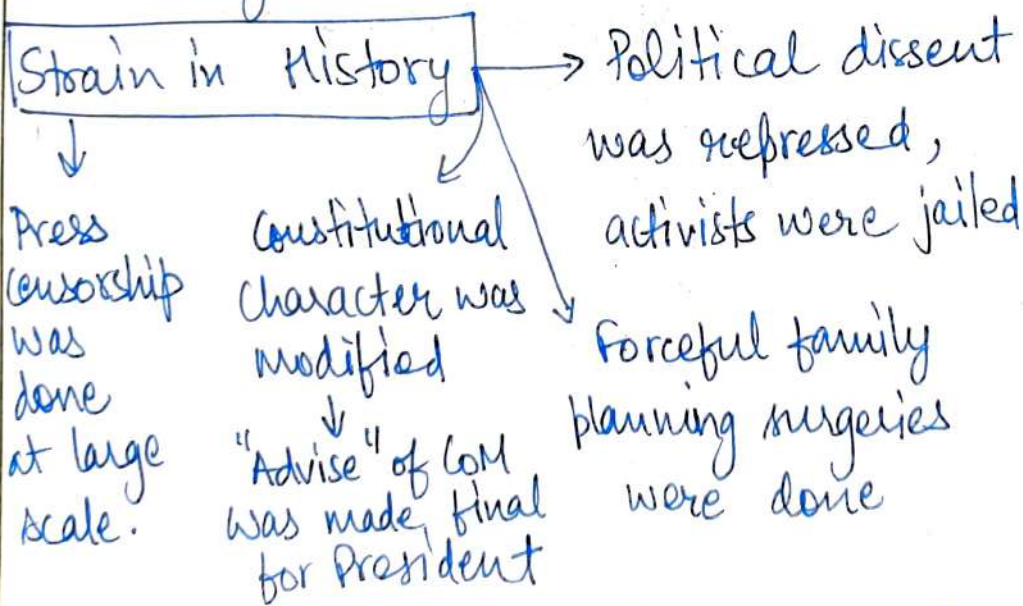
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिये में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q4 Although the National Emergency of 1975 was a temporary blip in independent India's history, it emboldened the spirit and resistance of our democracy. Discuss.

The Internal Emergency (1975-77) saw a despotic character in Indian democracy.



However, it only emboldened the democratic spirit of our country, as discussed:

1) 42nd & 44th Amendment Acts brought

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

in some positive provisions such as word "secular" in Preamble, provision for cooperative societies.

2) Basic Structure Doctrine came into being giving constitutionalism its true meaning.

3) The arbitrary "Internal Disturbance" was replaced with "Armed Rebellion" in Article 352.

4) Enhanced check by legislature and Judiciary evolved.

Such was the backlash that it deters the future leaders wary of arbitrary & despotic decisions. It only gave way for strengthening of democratic features.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

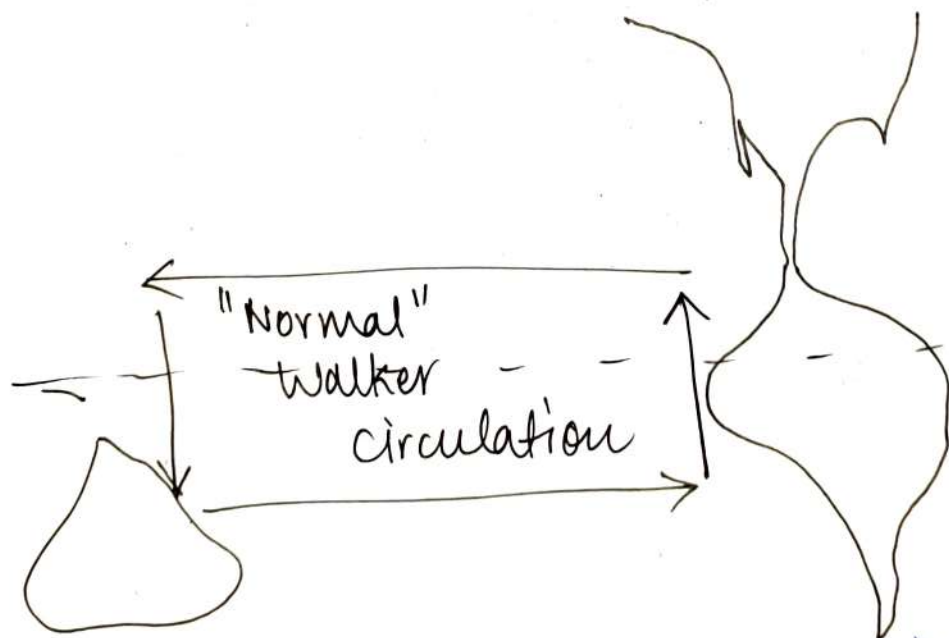
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q 5 Examine the relationship between the walker Circulation and the Indian Monsoon.

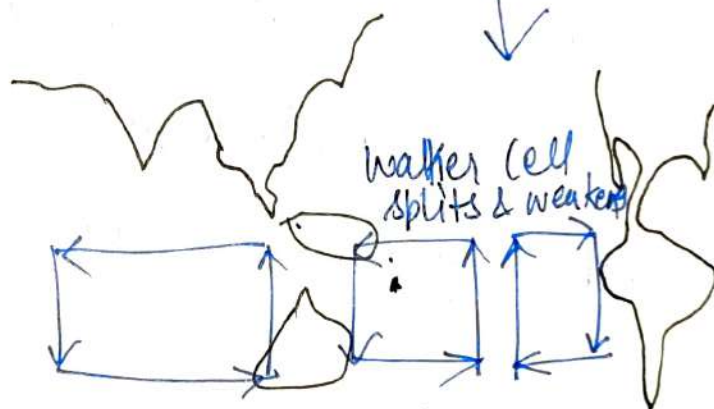
~~walker Circulation is a system of rain giving clouds between western Indian Ocean and~~ Walker Circulation is a model of atmospheric air flow in the tropical region of Pacific Ocean



This creates pressure difference and gives rise to the monsoon winds that bring rain to Indian subcontinent.

The Walker cell, when strengthens, gives rise to La-Nina conditions and gives excess rainfall during Indian Monsoon.

El-Nino Condition



This leads to weakening of the pressure gradient, thereby weakening the Southwest Monsoon winds.

This causes drought like conditions due to reduced rainfall.

Indian Monsoon & its variation have direct impact on Indian Economy. Study of Walker Circulation is thus important from Indian Monsoon's perspective.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

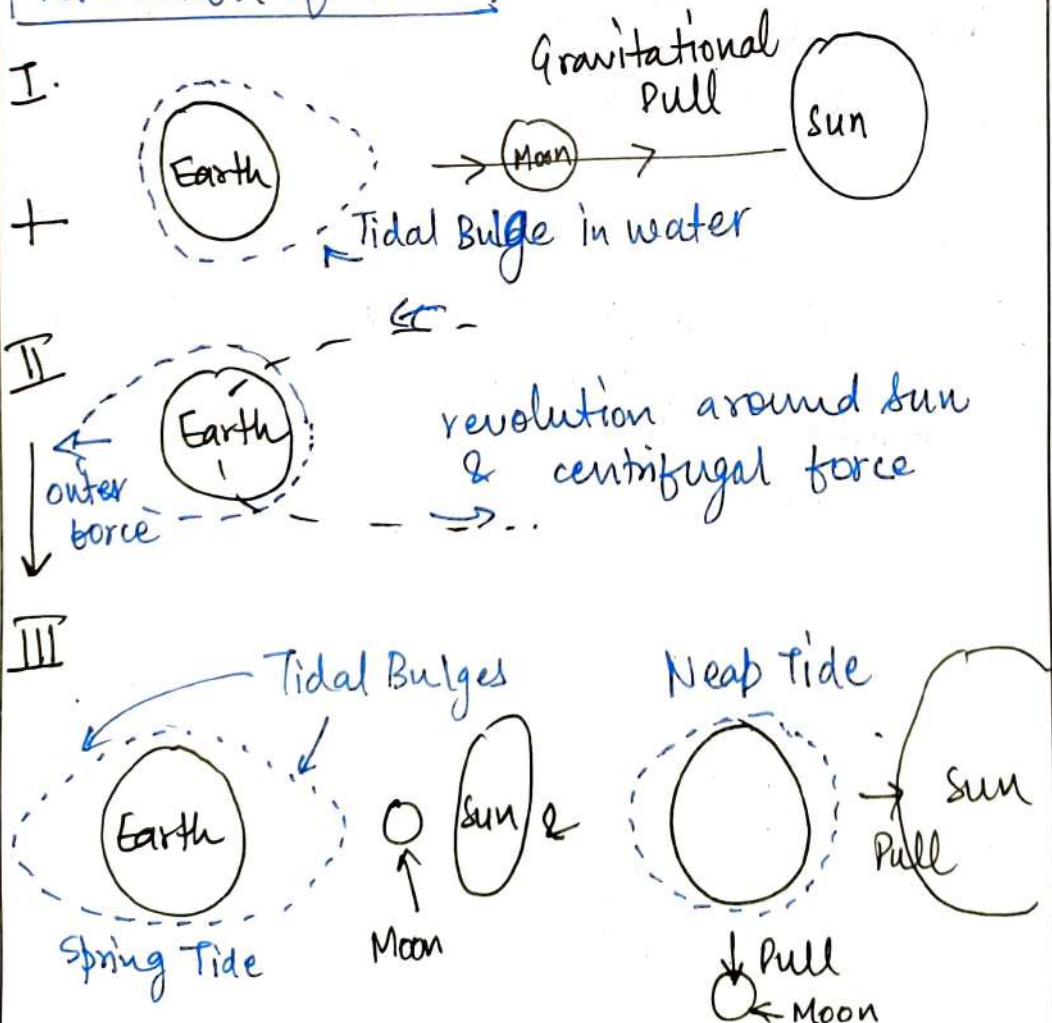
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q6 Identifying the factors responsible for formation of tides, discuss their geographic and economic significance.

Tides are alternate rise and fall of water level owing to the gravitational influence of moon & sun.

Formation of Tides



Geographical Significance

- 1) Creation of high Tide and low Tide levels leading to formation of corals near the coast
- 2) Gives impetus to growth of mangrove forest
- 3) Exposes the continental shelf and formation of sand at beaches

Economic Importance

- 1) Aids development of Natural Ports & harbours, facilitates movement of ships
- 2) Provides natural help to fishermen communities and boost to fishery sector
- 3) Various minerals (such as salt) can be extracted via action of tides.

Tides are thus an important natural phenomenon. They hold great Tidal Energy that can help decarbonize the energy sector.

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.

Content of the Question is more important than length.

(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q7 What are Rossby waves ? Discuss the role played by them in shaping the climate of the earth.

Rossby waves are large scale planetary waves that occur due to Earth's rotation, temperature & pressure variations.

These are of two types :

Atmospheric

Cause the movement like jet streams in upper atmosphere.



Oceanic

Large scale movement of water in westward direction

Shaping the Climate of Earth

1) Atmospheric Rossby waves

1) lead to shift in temperature and pressure ~~gradient~~ gradients. This also

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

leads to heat transfer

2) The cold waves in Canada, North American region is due to Rossby waves that can strengthen during winter season.

II. Oceanic Rossby waves

3) lead to large scale movement of water in Pacific & ~~Atlantic~~ Oceans.

4) Causes regulation of oceanic temperature.

5) Possible relation with El-Nino & La-Nina conditions affecting the monsoonal winds.

More research in Rossby waves & their behaviours would lead to better understanding of Earth's climatic phenomena.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q 8 One of the reasons for increased global interest in Afghanistan is its endowment with key natural resources. Discuss.

The 21st century "Great Game"

in Afghanistan has seen high global interest in the country.

China was quick to recognize Taliban 2.0 regime

India is seeking improvement in ties

Russia is also cooperating with the regimes, even after being a natural foe.

Much of it has to do with the fact that it is blessed with Natural Resources :

1) Reserves of Lithium in the Northern Region.

→ important to make Li-ion batteries

→ crucial for EV technology in automobile sector

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

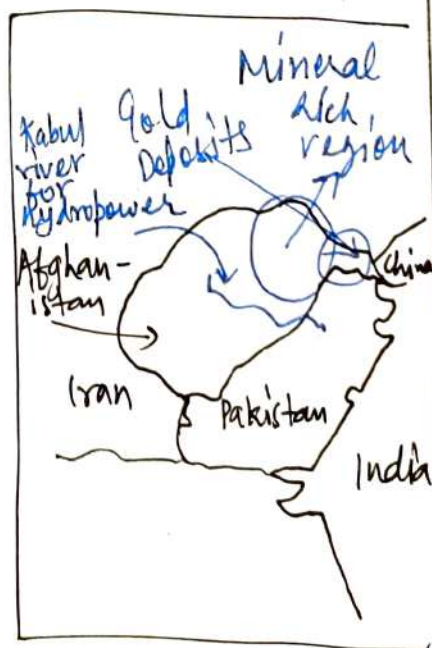
2) Gold Deposits in the region near Wakhan corridor and Pamir Knot.

3) Rare-Earth Minerals including lanthanides that form the backbone of electronic & modern industries.

4) Coal and Iron Ore which is important to give impetus to industries.

5) Uranium deposits are also speculated that are important for Nuclear Energy & weapons.

Afghanistan thus holds Geo-political importance for others to take advantage of. Such resources must first be used for benefit of people of Afghanistan.



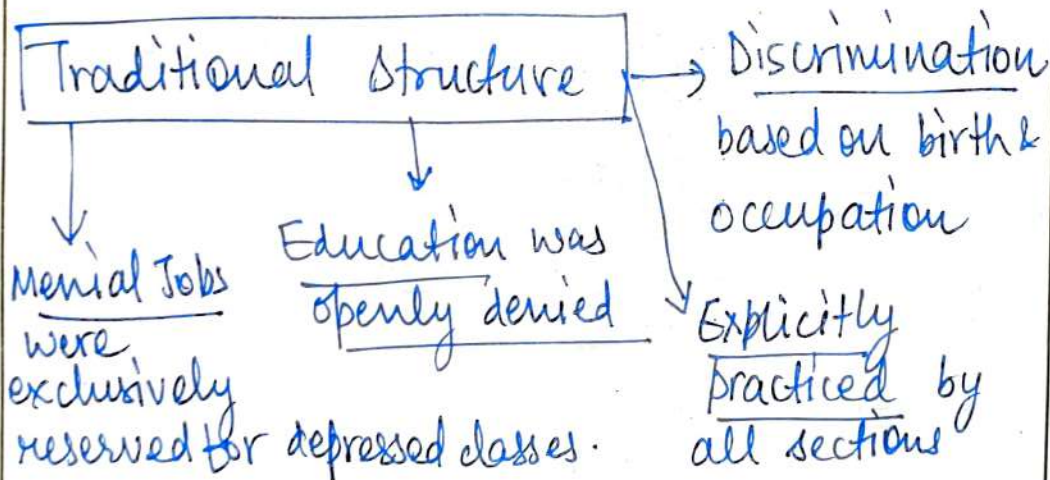
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाथिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q9 The traditional structure of the caste system has witnessed paradoxical changes over the last few decades in India. Comment.

Caste system in India is a long drawn problem and is constantly taking newer forms of manifestation.



However, it has witnessed paradoxical changes over last few decades, as discussed:

1) Constitution & law ended the discrimination. It was visualised that caste would slowly be annihilated.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

→ However, caste system has slowly become "invisible" in terms that it is still practised in many forms.
Eg. Resistance to Inter-caste marriages.

2) Reservation which was earlier provided for giving social upliftment; now has "internalised" the caste identity. Eg. Certain sections are protesting to be included in OBC sections

3) Government offices & Educational systems are witnessing "grouping" of staff/ students based on caste groups.
Eg. Hostels made specifically for Dalit students ~~to~~ by private trusts.

As visualised by Dr. B.R. Ambedkar, Caste must outrightly be annihilated. Then only, shall the Indian society realise the ideals of liberty, equality & fraternity.

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

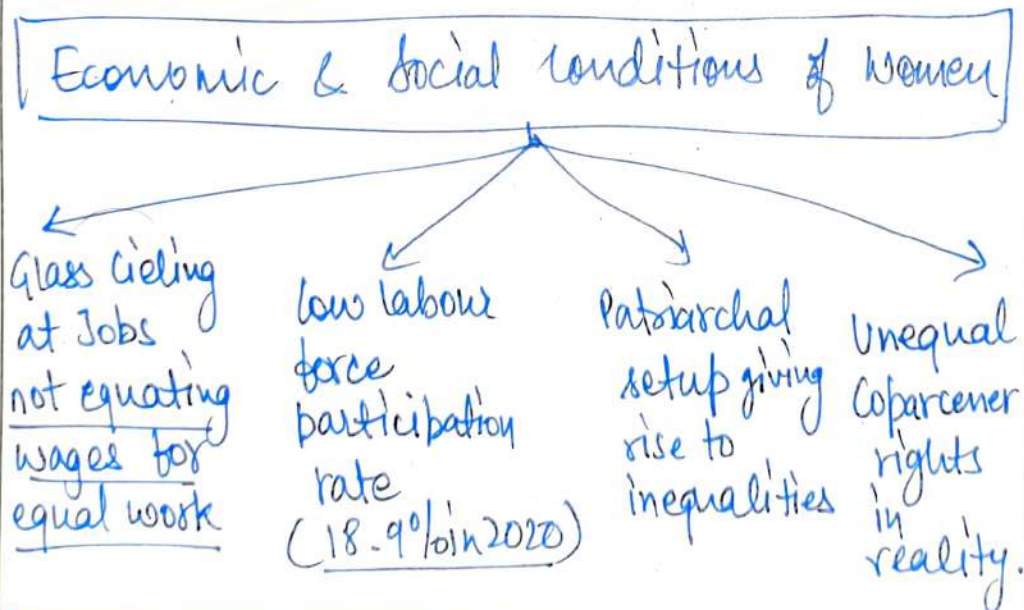
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाथिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q10 Economic empowerment of women is the key to ensure their social empowerment. Discuss in the context of India.

The changing nature of Indian setup is witnessing a correlation between economic & social circumstances. This holds the key to work for women empowerment.



Economic Empowerment → social empowerment

1) Increase in wages and participation in labour force would imply financial

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या को अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

independence. This would raise the social status of women at home, family, society, etc.

2) Impetus of SHG movement has positive impact on real income of women. Eg. "Lijjat Papad" engages ~ 75,000 home-makers to raise their household income.

3) Productive use of women's human capital and skill would lead to a significant shift in work culture. This would lead to gender-sensitization of the whole society.

Recent entrepreneurial schemes of Government focusing ~~of~~ on women (Eg. MUDRA Yojana) have the potential to improve social status of women.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हद्दिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q11 India has the highest number of endangered in the world as per the UNESCO. In the context, discuss the factors they have endangered ~~not~~ native languages in India and highlight the steps taken to conserve and protect these languages.

Native language are those languages that are spoken in distinctive cultures owing to different regions. As per UNESCO, various Indian languages such as Bodo, santhali, and remote tribal languages are severely endangered.

Factors for endangering Native languages

- 1) Urbanisation & mass movement of people looking for jobs & livelihood.
→ Needs common language, thereby

sidelining various mother tongues in successive generations

2) Use of English as widely accepted language.

→ Education is not available in vernacular level, lack of study material.

→ offices push for use of English.

3) Globalisation & Cosmopolitanism leads to decreased use of native languages.

4) less focus by the Government is also a contributing factor.

Steps taken to conserve them

1) Constitutional Provisions in Article 29, 30 provide rights to preserve language in linguistic minorities.

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

- 2) 22 languages are put in 8th schedule that receive governmental recognition at official level.
- 3) setting up of Centre of Excellence in Universities to study & preserve various languages.
- 4) New Education Policy 2020 talks about education in vernacular language at primary level.

It is said that in India, mother tongue changes after every 50 kms. Such a diversity must be protected to safeguard the cultural heritage of India.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q 12

The policy of 'Subsidiary Alliance' helped in establishing British control over internal affairs of Indian states without incurring any direct imperial liability. Discuss.

Subsidiary Alliance was part of British conquest policy in late 18th century. Hyderabad was the first state to go in subsidiary Alliance.

Features

1. Stationing of British troops : in the state.
→ Expenses were to be paid by the state exchequer
→ Failure of payment of expenses

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

would lead to chipping away of territory.

2. Interference in the domestic/internal matters was thus legitimized.

Eg. Use of Hyderabad's forces in battle against Mysore.

3. Foreign affairs and relations ~~were~~ with other provinces/kingdoms were now to be determined by British authority.

4. A permanent representative was stationed in the court of kingdoms to "advise" on internal matters.

All of this occurred without any British expense leading to reduced liability and expenditure on war. This

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

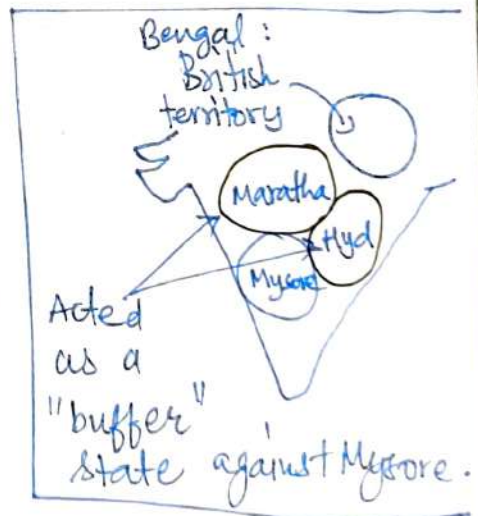
उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

was often utilized in territorial expansion. Eg. Placement of Mysore under Wodeyar dynasty after 4th Anglo Mysore War (1799).

This policy was closely knit with policy of Ring Fence to safeguard

"British possessions"

This was also used to safeguard Indian territories from possible Napoleonic invasions by Wellesly.



(Please do not write anything except the question number in this space)

कृपया इस स्थान पर प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

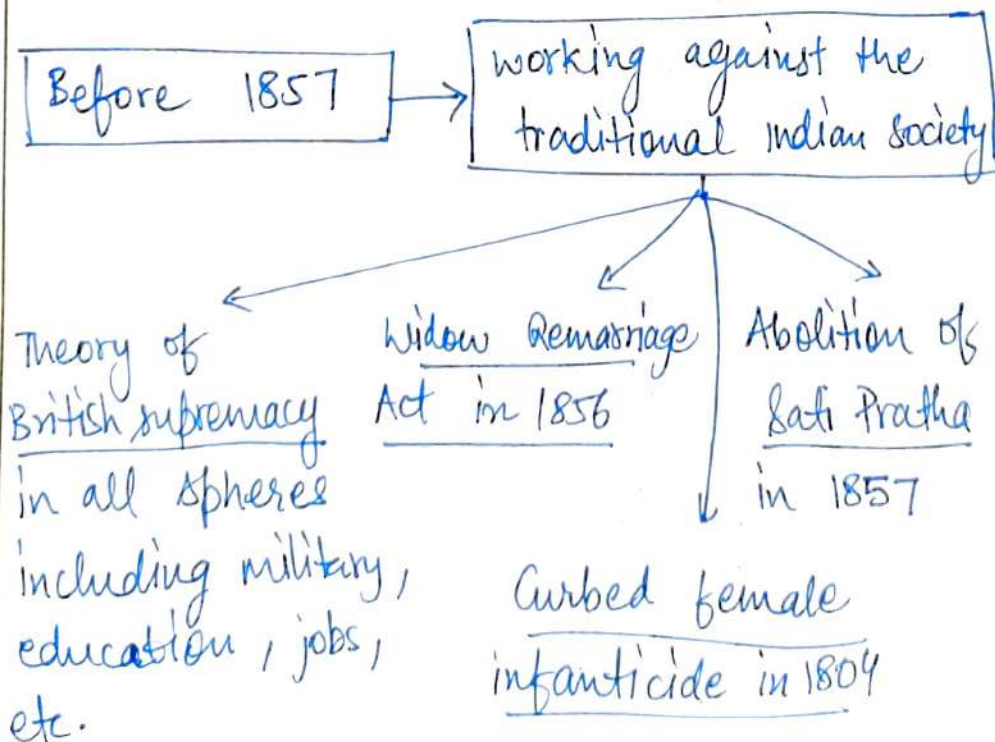
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q13 "Before 1857 the British were effectively working against the traditional grain of Indian society; afterwards they were working with it." Comment.

1857 Revolt was a watershed moment in British rule over India. It was seen as a culmination of various societal intervention by the British that alienated the masses.



(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

This gave a resentment among the masses whereby any top-down change was viewed as breaking the fabric of Indian society. Post the 1857 Revolt, British took the policy of principled non-intervention in societal affairs and worked "with" the society. It is evident as follows:

1) Gradual changes were introduced:

→ Vernacular Education post application of Wood's Despatch.

→ Reforming of labour laws such as raising age in child labour.

2) Concessions were given to ease the tensions.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

→ Council ~~exactly~~ was expanded via the 1861 Act.

→ Civil services were opened for Indians in real sense.

3) long drawn process for reform was followed. Eg. Marriagable age was increased for men: 18 yrs & women: 14 yrs via Child Marriage restraint Act 1929.

The policy of "divide and rule" came into play where Societal groups were not allowed to unite to break the backbone of Indian resistance. However, Britishers and their intentions remained high handed & colonial.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q. 4 Enumerating the revolutionary maxims propounded by Sun Yat - Sen, discuss the conditions that led to the revival of Chinese nationalism in the early 20th century.

In early 20th century, China was an "international colony" and was suffering colonialism in social, economic, political forms.

Sun - Yat - Sen was leader of Kuomintang Party and was one of early reformers of Chinese spirit.

Maxims of Sun - Yat - Sen

1) Need for democratic reforms in Chinese setup based on the Western nations.

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

- 2) Economic reforms based on Capitalism and industrial revolution. He propounded a need to move away from agriculture based economy.
- 3) Social reforms based on push for Chinese Nationalism and loyalty.

Conditions that led to revival of Chinese Nationalism :

- 1) Various graduates went to western countries and came back to China. They demanded for cultural and democratic reforms.
- 2) Resentment against the defeat in Opium Wars, Japanese Invasion of Manchuria, etc.
- 3) Missionary activities by priests of Christianity disturbed the social

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

and Cultural Setup.

- 4) Economic Colonialism & exploitation of Chinese resources by Britain, France, etc. was creating disturbances.
→ All of this while Chinese people were suffering from poverty & hunger.
- 5) Flooding of foreign goods even when China was a "self sufficient" economy.

The subsequent civil war led to establishment of Chinese Communist party and defeat of Kuomintang Party. These people then occupied Taiwan island establishing Democratic Republic of China, now known as Taiwan.

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

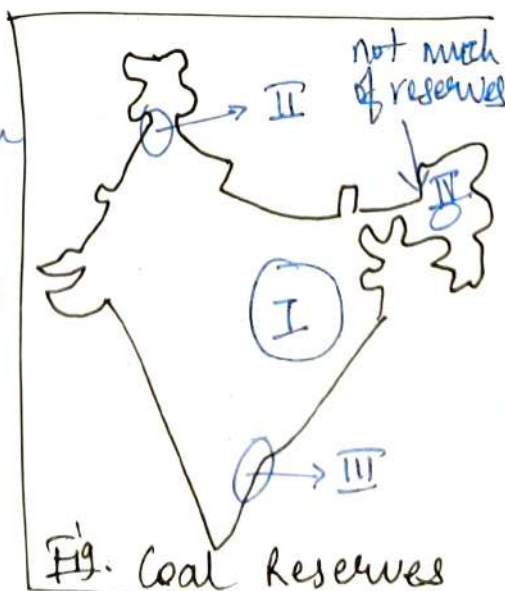
Q.15 Based on their geological age, present a brief account of the classification and distribution of coal ~~are~~ reserves in India. Also, discuss the ongoing stress in the coal sector of in India.

India holds sizable coal reserves (5th in world) and it is used to generate ~45% of power in the country

Classification & Distribution of Coal Reserves

I. Gondwana Coal

- 1) More than 90% of reserves hailing from Gondwana period.
- 2) Present in Chotanagpur Plateau, Damodar Valley, Peninsular region.



3) Bituminous Grade Coal having 80-90% of carbon content and low sulphur content.

II. Kashmir Region

1) Anthracite Grade coal with ~90% carbon content and lowest sulphur content among all.

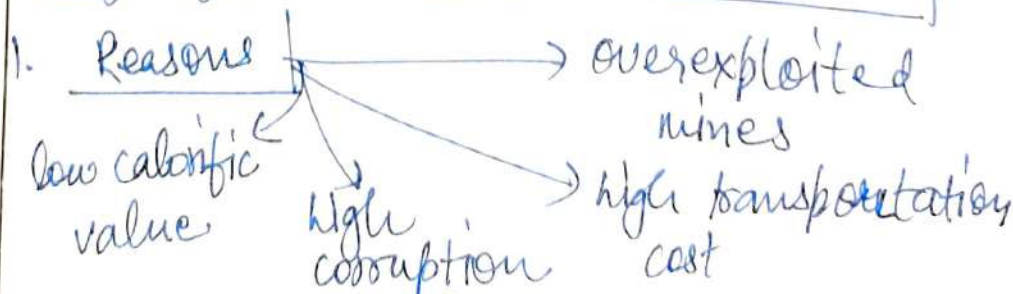
2) low reserves; near Pukhara region.

III. Tamil Nadu Region in Kaveri Delta

1) Peat Grade coal with ~40% of carbon & high sulphur content.

2) Has low Heat intensity among all and high moisture content.

Ongoing stress in India's coal sector



UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

2. Such a situation has been created that India needs to import coal (eg. from Australia) for its power plants.
3. Supply Chain Issue: owing to transport inefficiencies, raising overall cost.
Eg. Recently, ~~very~~ many powerplants had ~48 hrs worth of coal left, creating panic.
4. Extraction costs are rising owing to protests and labour issues.
5. High carbon footprint is a major issue.

Recently, Government started coal Block allocation based on bidding to realise better price discovery and bringing efficiency in the sector.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q.16 In view of the importance of Blue economy to new India vision 2030, delineate the distribution of the deep ocean minerals that ~~can~~ be help India realise its potential.

India recently launched "Deep Ocean Mission" to give boost to its Blue Economy (based on marine resources).

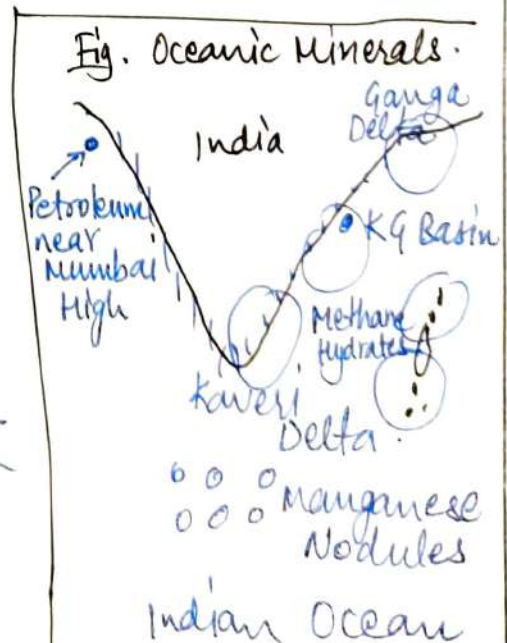
Distribution of Ocean Minerals

1) Manganese Nodules

as present in Indian Ocean

2) Petroleum & Gas

→ Present in Mumbai High and Krishna-Godavari Basin



UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हार्शिए में नहीं लिखना चाहिए।
Candidates must not write on this margin

→ Off the coast of Andaman & Nicobar Islands, Methane Hydrates are also present with significant reserves.

3) Minerals like Cobalt, Nickel, Iron, etc. are also found near Odisha Coast and Bengal Coast.

4) Salt is ~~na~~ widely extracted, especially in Gujarat & Maharashtra region.

5) Oceanic Bed also contained red-mud ooze that contains sulphur, Iron, etc.

This highlights the importance of Blue Economy, cited a potential of \$100 Billion by 2030.

1) It is important to boost industrial production in Peninsular region.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.

(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

- 2) Extraction of methane Hydrates would decrease dependence of India on imports and help in shifting to "Gas Based Economy"
- 3) Helpful for coastal communities to earn their livelihood.

Blue Economy for India is an important stakeholder in realising the aim of achieving \$5 Tr Economy.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q17 What is Atlantic Meridional Overturning Circulation (AMOC) ? Discuss the reasons for recent decline in the (AMOC and its associated impact .

Atlantic Meridional Overturning Circulation (AMOC) was recently found to be declining in its intensity, threatening the climate systems in Europe and other areas.

AMOC: It is a system of Oceanic currents that regulates the temperature system in Atlantic region.

1) The Gulf Stream flows northward toward Europe and then sinks upon cooling down in Arctic region.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

2.) This cold current moves downward and southward due to pressure variation.

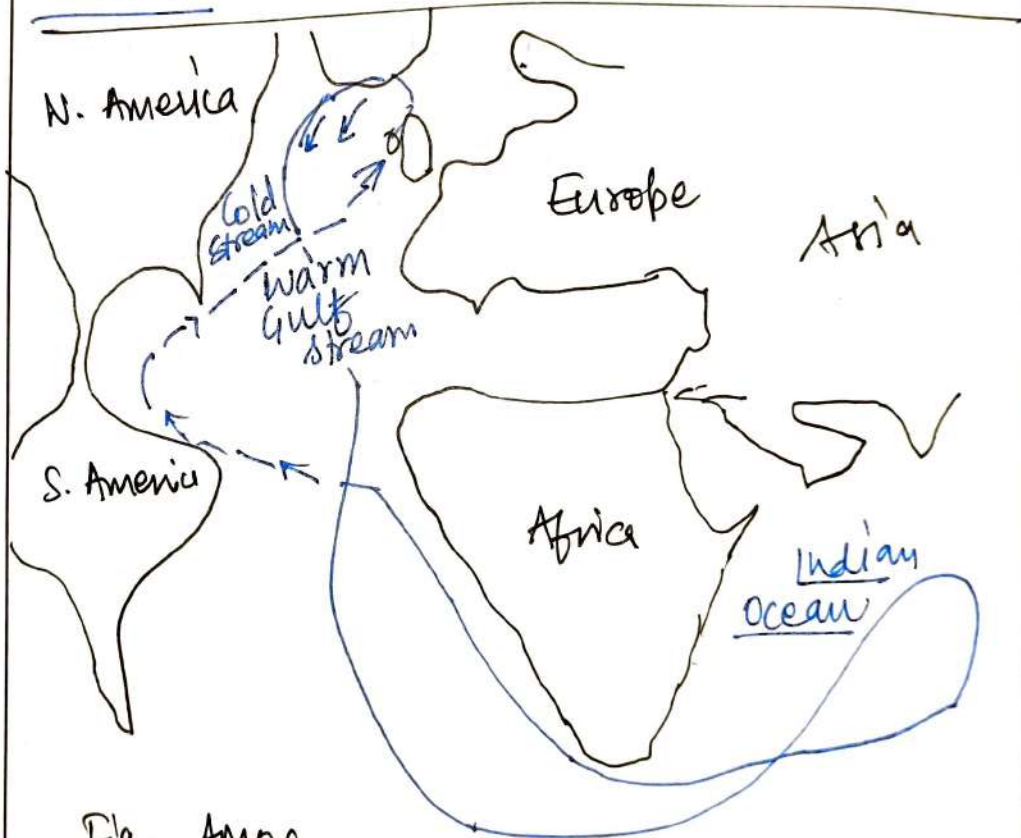


Fig. AMOC

Reasons for Decline :

1) Sea surface warming: leading to decrease in the temperature variation between Arctic region and Equatorial region.

2) Climate Change / Global warming leading to melting of Arctic Ice thereby supplying more water to the system and decreasing pressure different.

Impacts

1) Freezing Temperatures in Europe, UK leading to severe cold waves.

2) Decrease in rain in Europe, UK leading to agricultural failure and water scarcity.

3) Giving boost to global warming as this regulates the global temperature balance.

It has been observed the warming of Indian Ocean would lead to strengthening of AMOC, providing it much required pressure variation.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q. 18 Recent reports and national family health surveys have signalled a monumental shift in Indian demographics. Highlighting this shift, discuss the challenges that it will pose. Also, suggest remedial measures.

Recently conducted 5th round of National Family Health survey (NFHS-5) has brought out some positive results and signified change in Indian society.

Monumental Shift in Indian Demographics

1. Total Fertility Rate has dropped to 2.0 (below the replacement level of 2.1)
→ signifies stabilization of population.

(Please do not write anything except the question number in this space)
कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

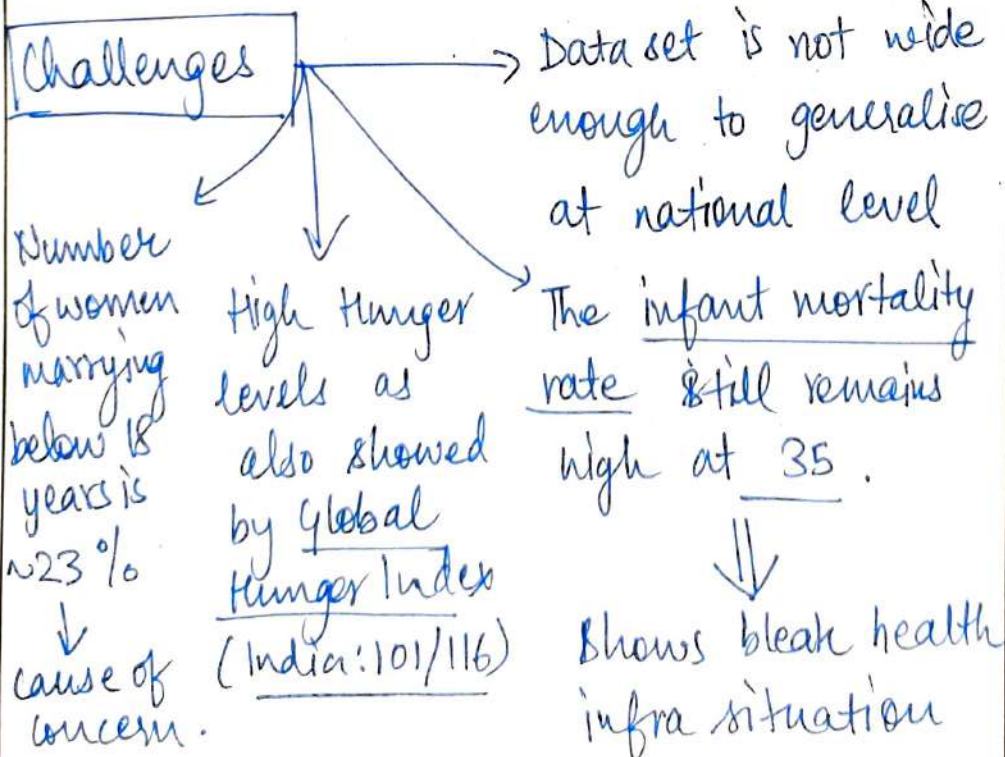
Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

2) Decrease in the Child Wasting (from $\sim 22\%$ to $\sim 19\%$), Child Stunting (from $\sim 38\%$ to $\sim 35\%$).

→ signifies reducing incidence of malnourishment.

3) Sex Ratio was found out to be 1020 (as against 991) which shows more number of women than men for first time in History.



1 Remedial Measures

1) Institutional push to healthcare infra. Increase GDP spending from current 1.3% to at least 2-5%.

2) Effective implementation of laws regarding child Marriage. Recently increased marriageable age to 21 years for women is a welcome step.

3) Push to schemes such as "Beti Bachao Beti Padhao". Goal of 100% institutional births must be achieved.

4) Improving nutrition

One Nation
One Ration Card
Scheme

Biofortification
of foodgrains

increased use
of fruits in
diet.

Such steps would allow India to achieve related SDG aims 1, 2, 3, etc. of poverty, hunger, good health.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q19 Looking at all poverty from the rural perspective and applying rural solutions to urban conditions will not yield results. Discuss the statement in context of differences between urban and rural poverty in India.

Poverty is a multidimensional concept. World Bank defines it as lack of opportunity to meet the basic demands such as food, health, education, etc.

Urban Poverty

1. Owing to lack of resources such as minimum wages, → while basic amenities may be available in slums, their quality is quite meagre.
2. Owing to the industrial and service

Rural Poverty

1. Owing to lack of Pucca Houses, drinking water, basic sanitation facility, etc.
2. Owing to pre-dominant agricultural nature of economy, poverty is also determined

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

based character of the economy.

3. Eg. lack of proper schooling, lack of secondary and tertiary care, underpayment of wages, etc.

in that context.

3. Eg. lack of skilled job opportunities, lack of primary healthcare, case of disguised unemployment

Owing to the difference in nature of poverty in urban & rural areas, relief measures and schemes must also be targeted differently.

Rural solutions for poverty include :

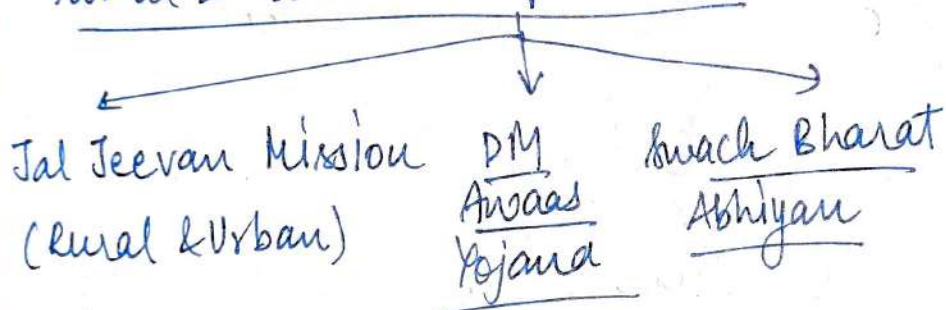
- 1) MGNREGA based unskilled employment.
- 2) 100% electrification of rural areas meaning provision of wire in village and not to households.

→ this does not work for urban areas

Thus, several steps have

been taken by the Government in recent times :

1) Dissociation of several schemes in rural & urban components



2) Urban areas specific schemes :

→ SVANIDHI scheme for street vendors.

→ PM Garib Kalyan Anna Yojana has specific allocation for urban migrant labour.

Thus a delinking of approach is need of the hour. NITI Aayog estimates that 60% of population would live in Urban areas by 2050. This highlight need to address the problem of urban poverty differently.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

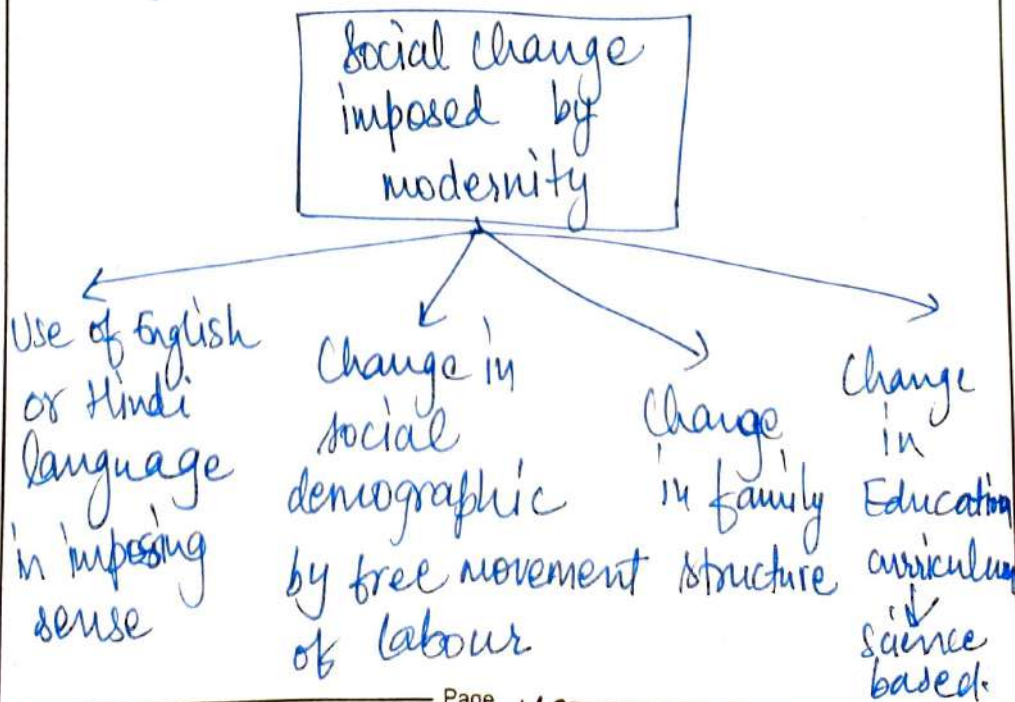
UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

Q 20 Regional movements are often conservative in orientation, supported by traditional social classes and religious groups and oppose social change imposed by modernity. Critically discuss in the context of India.

Owing to the fast pace of globalisation and western model of development, regional identities of people are witnessing a significant change.



UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

This is giving impetus to regional movements having distinct characteristics:

I) Conservative Orientation:

1) Gender Parity in employment, women not being allowed to take up jobs.

2) In-ward looking family structures growing more autocratic.

II) Traditional social Classism

3) Based on ethnic & linguistic classes

Eg. Maharashtra for Marathis, ethnic discrimination in southern states, etc.

4) Reverse discrimination towards other groups. Eg. People from Bihar face ostracization in Maharashtra; People from North East being called "chinki" and other names.

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए
Candidates must not write on this margin

III) 5) Interests of Religious groups lead to ghettoization of areas based on religious lines.

Eg. Mumbai region having 790% muslim population in outskirts of Mumbai.

6) Recently seen movement against meat shops, etc in Assam, Uttarakhand, Gujarat also point out this problem.

Indian Political & societal Setup has in-built safeguards that allow for regional & global assimilation. This flavour of Indian setup provides a secular and tolerant outlook to the societal values.