

226463 613302_1910128284 (2023-08-28 22:28:15)

UPSC

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

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TEST CODE - 613302

NAME - HARSHIT VERMA

ROLL NO - 1910128284

MEDIUM - ENGLISH

DATE - 28/8/2023

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1. Foreign trade is an important milestone for becoming a 5 trillion dollar economy. Analyze foreign trade policy in revamping India in global trade.

Ans → India's annual exports crossed more than \$400 billion and there are plans to take it up to \$1 trillion

Top foreign trade items

↓ import	↓ export
crude oil	refined petroleum
raw materials	gems, jewellery
intermediate goods	automobiles
capital goods	agris like basmati rice

Why is foreign trade necessary for 5 trillion economy

↳ manufacturing → aim to increase 25% of GDP, create 100 million jobs, semi-skilled, unskilled considering

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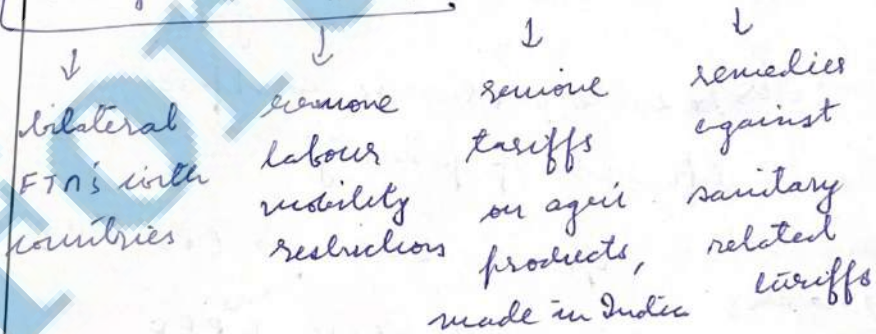
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India's demography,
export of manufactured items,
integration in global value chains

b) Agriculture → employs 45% population,
export to regions like middle east,
Africa, double farmer's income,
remove restrictions on export,
stock limits

b) service → free movement of labour,
generate remittances, act as
global back office

Foreign Trade Policy!



↓
protect Indian
sectors like dairy (not join RCEP)
allow world quality
products for Indian
consumer (Australian
wines)

Thus India will prosper only when its
integrated with world economy

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2. Social protection schemes are an integral aspect of a welfare economy, however the principles of fiscal prudence cannot be ignored. Discuss with reference to OPS.

Ans → India is a welfare state per Art 36 of DPSP. Social welfare programmes thus are essential part of social contract.

Why necessary!

- ↳ human capital
 - ↳ health → Ayushman Bharat
 - ↳ education → Sarva Shiksha Abhiyan
- ↳ to create productive workforce, lift out of poverty
- ↳ labour
 - ↳ pension schemes → OPS, NPS
 - ↳ insurance → ESIC, EPFO
 - ↳ maternity benefit, protection in case loss of jobs etc

Why? What does OPS vs NPS debate entail!

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OPS
contribution from government only, burden on future taxpayers

NPS
contribution from beneficiary + govt, market linked exchange rate, reduce fiscal burden, stable protecting employees

Why OPS finding resonance?

- ↳ defined benefit, lack of trust in market
- ↳ covid → loss of disposable income, hence unwilling to contribute

How principles of fiscal prudence affected?

- ↳ equivalent to taxing future generations
- ↳ more revenue expenditure, slow down capital and infra push by central govt
- ↳ questionable whether money better spent on below poverty rather than govt employees

In this context Andhra Pradesh model of mixture of OPS + NPS can be effective way forward

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3. What do you understand by AgriStack
To what extent can it become a panacea for problems plaguing the sector.

Ans → Indian agriculture employs around 45% of population while contributing 17% of GDP.

Why agriStack needed!

- ↳ info on inputs like seeds, fertilizers
- ↳ soil and crop health management
- ↳ agris-processing, marketing
- ↳ disaster, climate related warnings
- ↳ awareness about government programs, linkage with academia
- ↳ increase productivity, efficiency

Examples of agriStack!

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b) if proposal of farmer ID → like Aadhar, track info about landholding, climate, make recommendation about crops to grow, inputs to use

b) Kisan call centre, Kisan SMS app → info in local languages about inputs to use, crops, seeds etc

b) e-NAM → nationwide market, connect existing APMC, better price discovery, logistic support

b) initiatives by private players like e-choupal by ITC, m-trustee by TCS

Can it become panacea | → need to increase awareness (60% farmers unaware about MSP)

↓
fragmented landholdings } need to combine reforms in
hinder adoption of contract farming (Ashok Dalwai committee)
need for consolidation } contract farming, organic farming etc
agri stack can be a means to reach end of troubling farmers
income

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4. The objective of World Trade Organization is to provide long term and equitable solution to the dilemma between free trade and food security has remained unfulfilled. Comment

Ans → World Trade Organization was formed in 1994 following Uruguay round of negotiations

Objectives of WTO

- ↳ removing barriers from world trade
- ↳ reduce domestic subsidies to export,
- ↳ reduce agriculture subsidies
- ↳ fair/market oriented trading system
- ↳ seamless custom checks, prevent dumping of cheap goods etc
- ↳ forum for resolution of disputes

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How its objectives remained unfulfilled

- ↳ measures → sanitary related tariffs,
- ↳ developed placing subsidies in
countries green box (America green
box subsidy 33% of agric GDP
whereas for India less than 5%)
- ↳ contributed to increased inequalities,
poverty, hollowing out manufacturing,
loss of jobs, unable to compete in market
- ↳ food insecurity → due to limitation on
public stockholding programmes
- ↳ expensive dispute settlement process,
poor nations unable to contest cases
- ↳ led to unfiltered capitalism, prioritize
profits over human welfare

The neglect of WTO shows reduced legitimacy
in world systems. Need for reforms to
make it truly equitable

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5. Even after Stockholm conference, gaps between targets and action towards climate change is a challenge. Also recommend measures for building a coherent actionable strategy.

Ans → Stockholm conference in 1973 led to recognition of changes in climate due to actions of humans and need for change

Principles agreed at Stockholm!

↓
 common but differentiated responsibility

↓
 for developing growth more important to overcome poverty

↓
 developed nations to help via funds, technologies

Brundtland commission - sustainable development

UNFCCC, Kyoto protocol - commitments by developed, precautionary principles etc

Paris deal - reduce to 2°C increase

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How does gap between target and action?

↳ UNEP → in current scenario
emissions gap index temp to increase 3.3°C
by century end

↳ need for 5x more targets

↳ funding → \$100 billion agreed in
Cancun summit, however
unable to mobilize, nuclear
as sources of funding

↳ politics in developed nations ex-
Trump pulling out of Paris deal, growing
chances in Europe as well, climate
denuclearisation

↳ climate backtracking → increase in
coal usage during pandemics

↳ climate justice → developing countries
like India asked to pay, even on lower
per-capita emissions

Climate change needs decisive leadership,
stronger commitments to protect planet

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6. What are the impediments in management of e-waste in the country? In what ways the trinity of citizens, businesses and government tackle this menace?

Ans → E-waste refers to the waste generated by usage of electronic components like laptops, mobile phones etc

Impediments to managing e-waste

↳ Lack of processing of e-waste, less than 10% of e-waste is processed

↳ improper channels for collection →
absence of supply chain

↳ lack of expertise → e-waste needs specialized handling as harmful elements like lead, cadmium etc

↳ linear economy → old gadgets are

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primarily thrown, rather than recycled (en) - changing phones every few years

↳ municipal → municipal bodies do not regulate enforce norms, dumping into unsanitary landfills etc

How can government, business, citizens collaborate

- ↳ government → policy for managing e-waste
 - ↳ extended producer responsibility for collection
 - ↳ circular economy → encourage to repair to prevent discarding of old items
- ↳ business → channels for collection of old items (en) - offers on mobile phone exchange
 - ↳ invest in processing, recycling, repackaging of old items
- ↳ citizens → try to extend life, proper disposal at designated centres

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7. How does nuclear fusion differ from nuclear fission? Assess the relevance of nuclear energy in resolving the global energy security dilemma?

Ans → Nuclear energy is the energy derived via interaction of atom subcomponents like neutrons, electrons etc

Nuclear fusion

↳ combination of neutrons to form bigger atom
 (ex) - Hydrogen to deuterium

↳ very high temperature, pressure needed still not practical on large scale

Nuclear fission

↳ involves splitting of neutrons of a fissile materials leading to self sustaining chain

↳ nuclear fission has been proven and is used both for peaceful and weaponry

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↳ less waste generated

↳ nuclear waste major issue

↳ maintaining temp, pressure decided reaction continuance

↳ reaction depends on presence of free neutrons, ~~with~~ coolants, absorbers used to control

Why nuclear energy is needed!

↳ pollution → negligible emission of harmful gases

↳ meet climate change targets → reduce GHG emission by 2-3% annually (em) - France 100% nuclear, emission 1/10 th of global average

↳ renewable energy → uranium, thorium other fissile materials readily available helps shift from coal

↳ availability → round the clock, every season compared to wind, solar

Nuclear energy will be crucial to achieve goals set out in Paris climate accords

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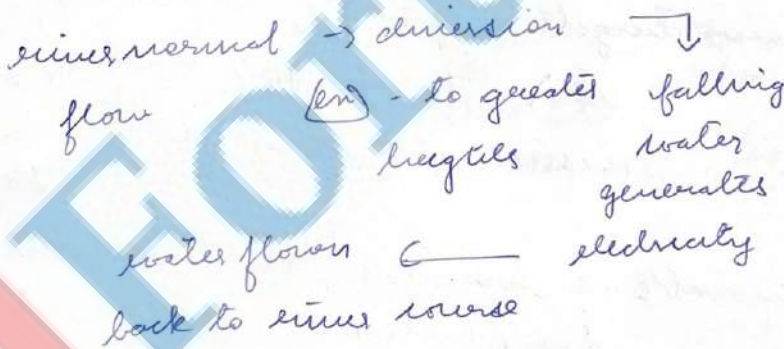
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8) What are some of river hydroelectric projects? How far can some of the river hydroelectric projects balance ecological conservation with socio-economic development

Ans → Run of the river hydroelectric projects involve negligible storage and using diversion of river course to generate electricity

Steps in run of river



How are these helpful?

↳ avoid construction of large dams which leads to submergence, displacement

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of local population

↳ cheaper, more efficient to build
↳ tota less impact on environment
(en) - In Uttarakhand large dams causing great havoc - landslides etc

↳ preservation of flora and fauna → as water levels maintained, only course changed

↳ can be useful in managing floods, since overflow, increased sedimentation

↳ compliant with agreements like Indus Water Treaty → which has restrictions on large dam projects

↳ socio-economic development → generate electricity in backward regions

↳ infrastructure creation generates employment

↳ presence of large river systems, benefit people along river course

Hydroelectricity will be crucial to achieve

Page

Sustainable goals.

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9) A robust border infrastructure is the surest way to counter multifarious threats emanating from inimical actors.

Discuss in light of vibrant village programme

Ans → India has extensive land plus maritime borders with multiple neighbours. Protection of borders from inimical interests as well as facilitating legitimate trade and people movement is the objective of border management.

(Threats on borders)

- ↳ cross-border terrorism from Pakistan
- ↳ cartographic aggression, salami slicing from China
- ↳ wildlife trafficking, human illegal migration from Bangladesh
- ↳ counterfeit currency, hideouts for

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insurgents in Myanmar, Bhutan, Nepal
 ↳ others like unregulated fishing,
 maritime terrorism (Mumbai attacks)

Why border infrastructure needed?

↳ closer walls in infiltration prone areas

↳ tracking via drones for comprehensive coverage

↳ capacity upgrade for B&E, Sashastra Seema Dal → better protection gear, ammunition

↳ comprehensive management → not just security but commerce

↳ custom checkpoints

(en) - ICP in Moreh, Manipur

↳ facilitating goods, people movement

↳ Vibrant village programme → focus on socio-economic indicators health, education

↳ livelihood generation

↳ infrastructure like road, rail, flood connectivity

Vibrant village necessary to prevent alienation

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10) How far can a clearly articulated National security strategy help in tackling challenges to national security?

Ans → National security means securing a country's national interests on multiple dimensions viz - political, economic, human, ecological etc

How can clearly articulated national security strategy help (NSS)

↳ political → helps measure our relations with various countries

(ex) - if economic prosperity is our aim then need for western funds and Technology

↳ provide clarity → how should Pakistan be handled, what are our objectives viz China - competition vs collaboration

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1) economic → reliance on imports, trade deals (ex) - energy security crucial hence focus on renewables, other alternatives like nuclear

↳ how economic ties are structured - is it okay if we import more from China to prop up domestic manufacturing

2) human → investment in human capital to utilize demographic dividend
how human resource crucial in cyber domain, leveraging economic opportunities

↳ delegating responsibilities → between civilian and military

↳ clear out objectives for diplomacy, Trade body, internal security (MHA) (commerce)

2) response structures → to internal disturbances to border skirmishes, to hybrid warfare

Having an NSG essential in the current state of geopolitical flux

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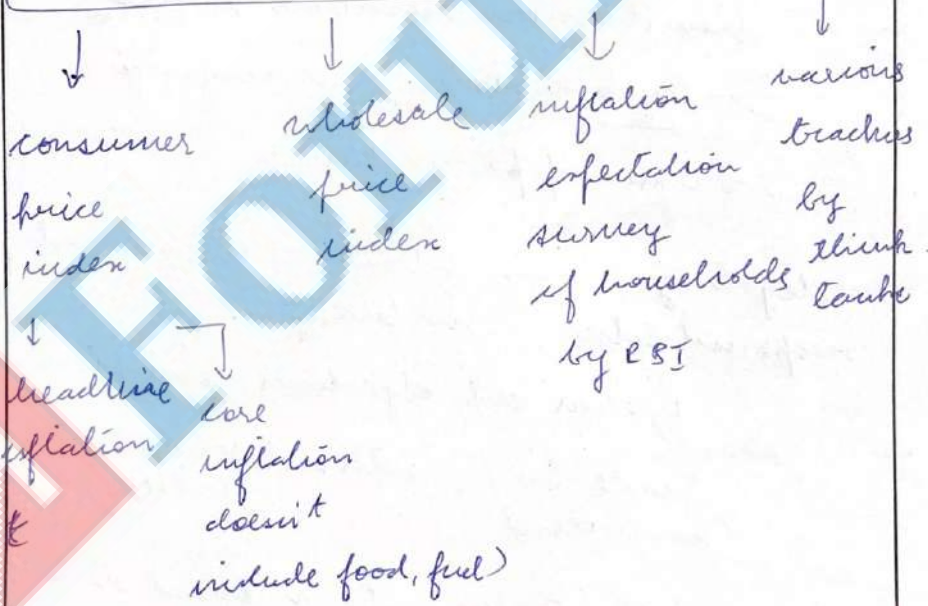
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11) What are the factors that influence inflation trends in the country?
Highlighting the impacts, discuss the institutional measures in place to check inflation

Ans → Inflation is the sustained increase in prices of various goods and commodities

Measures to track inflation in India



RBI monetary committee has mandate of 4% (± 2%)

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Factors that influence inflation

↳ food inflation → slump in agri production
(ex) - heat waves affecting wheat crop

bad monsoon affecting price

↳ lack of proper agri marketing, agri forward bargages - wastage around 20%

↳ farming preferences - towards cereals horticulture crops, pulses vulnerable to seasonalities

↳ fuel inflation → slump in global oil production
(ex) - OPEC cutting production

↳ increase in demand fuelling increase in prices

↳ dependence on imports, vulnerable to shocks (ex) - attack on Saudi oil facilities

↳ consumer demand → pent up demand around

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fertilities, increase in household income

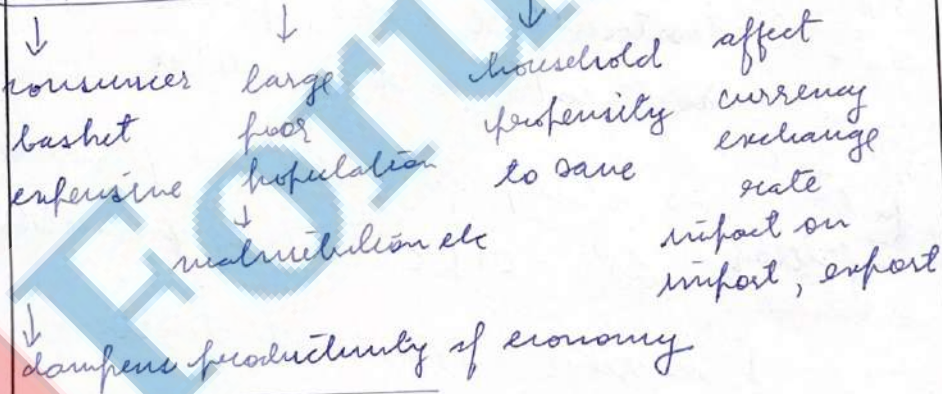
↳ external → Russia - Ukraine war
- trade ↳ impact on food, fuel, fertilizers
scenario

↳ restriction of exports
↳ Indonesia edible oil

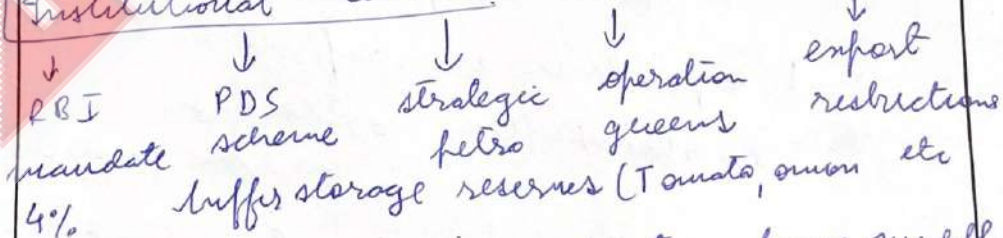
↳ monetary → RBI cutting rates
policies

↳ fiscal → fiscal stimulus, government spending

Impacts of inflation



Institutional measures



Inflation is a major issue affecting lower middle income country like India

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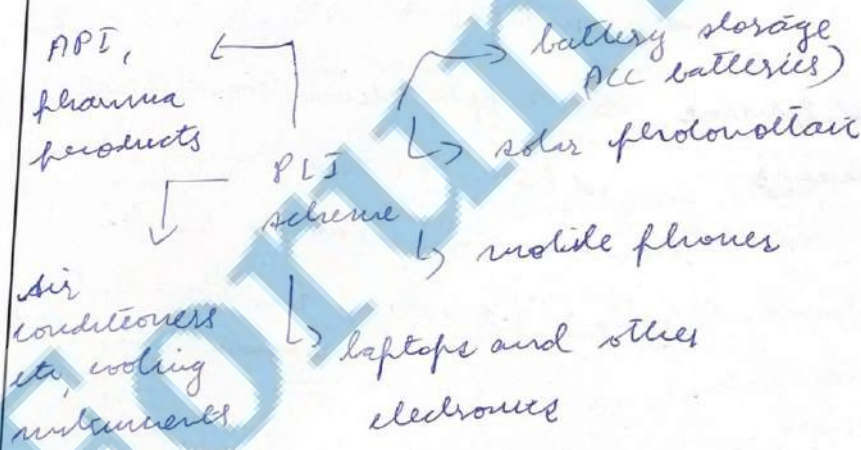
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12) Though a cornerstone of Atmanirbhar Bharat, Production linked Incentive (PLI) scheme is not without its own challenges. Comment

Ans → Production linked incentive scheme is aimed at incentivizing manufacturers for incremental production leading to increase in manufacturing output.



How is it cornerstone of Atmanirbhar Bharat

↳ manufacturing output increase
↳ current share (20% of GDP)
↳ more-competitive industry

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↳ strategic sectors → API, solar photovoltaics
excessive dependence on China

↳ domestic production → mobile phones, electronics

How will it benefit!

↳ job creation → creation of semi-skilled, unskilled jobs

[India requires 10 mn jobs annually]

↳ global value chains → supply chain resilient, China +1 strategies

trend move towards India

(ex) - Foxconn moving iPhone production

↳ manufacture and export to world → (ex) - API indigenization
boost to pharma sector,
reduce China dependence

↳ futuristic vision → renewables → solar photovoltaics
mobiles, laptops → service economy

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Challenges to PLI schemes!

↳ objections
by experts

→ rather than manufacturing
it is "assemble in India"

like Rajiv Gandhi like Rajiv Gandhi, benefits not proven,
need wait before expanding

↓
↳ PLI leading to increased
opportunities imports, trade deficit with
cost china increased

↓
money not
spent on health, education
human capital

↳ quality of labour → lack of even semi-skilled
[only 4% workforce receive
skill training]

↳ dismal education standards,
vocational training looked down
upon

↳ doesn't solve other factors → labour market reforms
pending

↳ ease of doing business still
poor

↳ contract enforcement

↳ acquisition of land, clearances

India's manufacturing requires factor market
reforms along with PLI

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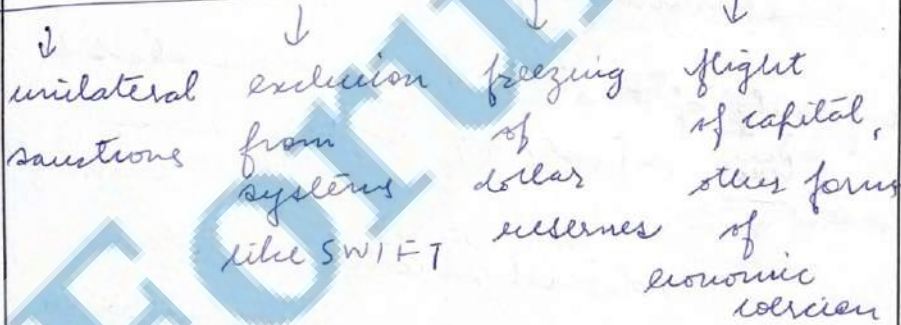
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13 How is internationalisation of rupee different from de-dollarization?

Highlighting its benefits, discuss the challenges associated with same.

Ans → There has been a churn in international financial architecture due to measures imposed by USA and wider western community

What drives churn?



Hence countries are trying to hedge against any eventuality

What is de-dollarization?

↳ currently dollar more than 80% of world trade

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- ↳ freely convertible, wide acceptability
- ↳ wide deficit by USA allow countries to shore up reserves

(Measures) → use of local currency in trade of goods, commodities

- ↳ ~~currency swap~~ alternative payment, communication systems to SWIFT

- ↳ reserve arrangements (len) - BRICS CRA against IMF lending

What is internationalisation of rupee?

- ↳ usage of rupee in international trade
- ↳ quoting of prices of goods etc in rupee in international transactions
- ↳ countries keeping rupee reserve
- ↳ allowing increased convertibility of rupee
- ↳ liberal export controls
- ↳ currency swap agreements

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Benefits

- ↳ less requirement to keep dollar, foreign exchange reserves
- ↳ increased access to international finance, bond markets
- ↳ less susceptibility to exchange rate fluctuations
- ↳ expanding financial sector, access to global capital reserves

Limitations

- vulnerability to external shocks increase
- ↳ rupee not fully convertible on capital account
- ↳ factors like domestic market ease of doing business, political stability, acceptability of currency
- ↳ requires broad agreement among various countries (ex) - Russia unable to use rupee reserves

Internationalisation of rupee will be a slow and gradual step as our economy expands. Necessary to proceed realistically securing subjects

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14 What are Primary agricultural credit societies? Can the cooperative push alone help in achieving twin targets of boosting rural economy and mainstreaming small and marginal farmers?

Primary agricultural credit societies are based on cooperative model and are intended to provide easy credit to agricultural sector.

Why are they required?

↳ state of agr. credit → 82% farmer suicides due to credit issues, borrowing from local middlemen

↳ productivity → low productivity, fragmented landholdings, credit required to access seeds, fertilizers, farm equipment

↳ employment → employs 45% workforce

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hence agri growth huge impact
on wider economy, human capital

How PAC's would help!

- ↳ Based on → members pooling asset
cooperative ↳ loan to members
model ↳ eased collateral requirements
↳ cheaper lending rates
↳ localisation benefits in - credit
schemes based on agri type,
climate, topography
- ↳ support → funding through NABARD,
from government ↳ priority sector lending,
priority sector shortfall
↳ special monitoring mechanism
outside RBI
- ↳ benefits like lending to FPO's, ~~and~~
contract farming etc

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Can it achieve targets!

- ↳ revival economy → cheaper credit → increased productivity, output increased
- ↳ help in crop diversification, mixed farming
- ↳ marketing of produce, infra in roads, transportation
- ↳ mainstreaming → average landholding small and marginal farmers 1.15 ha, more than 80% small and marginal farmers
- ↳ provide a collective platform to raise money, lend, additional capital can be sought from govt, market
- ↳ linkage to FPO's, etc will help in promoting consolidation

Challenges!

- ↳ improper lending practices
- ↳ politicisation
- ↳ vulnerability to climate shocks, issue of NPA's
- ↳ PACS can only help in a specific area of agr. reforms.

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15) Farm policies in the country have inadvertently led to undesirable consequences. Do you agree? Giving emphasis on PM Perannam discuss ways to enhance soil health and farm productivity.

Ans → India's agricultural sector employs more than 45% of country's population and contributes around 17% of GDP. Some have described "Indian agriculture is a victim of its own success".

Major farm policies!

↳ green → focus on high yielding revolution crops like wheat, rice

↳ reliance on chemical inputs

↳ farm mechanization

↳ Minimum support price → motivate farmers to cultivate specific crops

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check distress sales, price in
 open market

→ procurement by government for
 PDS, buffer stocks, strategic reserves

What undesirable consequences!

↳ cereal-centric (rice, wheat), regionally
 biased (Pun - Haryana - west UP),
 input intensive (fertilizers, pesticides)

↳ depletion of water table - due to water
 guzzling crops

↳ damage to soil → N:P:K ratio 8:2:1
 health against recommended
 4:2:1

↳ use of populism during elections via
 MSP

↳ deterrent to crop diversification

↳ affect consumers → MSP increases price
 in markets

(PM Pannam) → focus on millets like
 Jowar, Bajra, ragi

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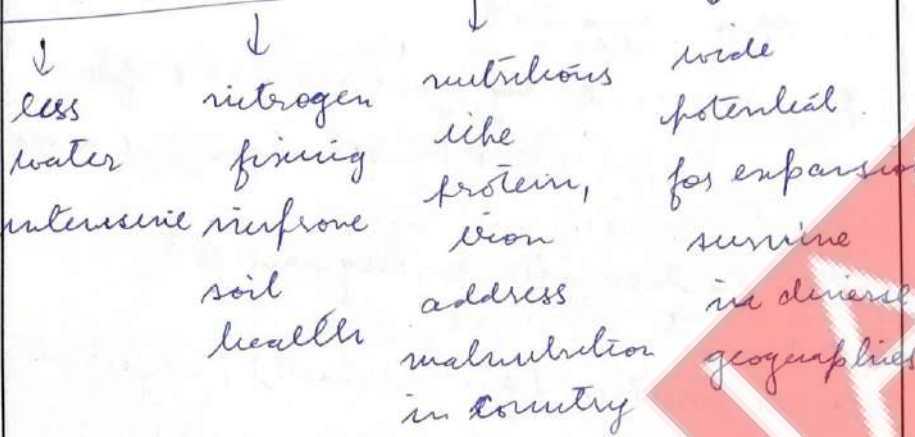
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How millet push helps!



Measures to improve soil health, productivity

- ↳ soil health card scheme → intimate farmers about various nutrient indicators
- ↳ nutrient based subsidy, neem coated urea to check excessive fertilizer usage
- ↳ separation of agri feeders to restrict groundwater withdrawal
- ↳ Shanta Kumar Committee → expansion of MSP's private sector for procurement for diversification
- ↳ Ashok Dalwai → marketing reforms, e-NAM direct sales to customers, better price discovery

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16. What do you understand by heat waves? Highlight the reasons and impact of rising impact of heat waves. Also recommend measures to mitigate its impact

Ans → Heat waves refers to the sudden increase in temperature of a region caused due to various climate factors

IMD classification!

↳ if deviation of more than 6.4°C from normal

↳ if more than 40°C for two consecutive days across two weather stations

↳ different temperature criteria for plains, hills etc

Reasons for heat waves!

↳ wind patterns in the atmosphere

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(en) - continuous high pressure
conditions, lack of rainfall

↳ monsoon → phases during south-
breaks west monsoon, sudden
warming of land

↳ local winds → (en) - loo in northern
India
other winds blowing from
Pakistan, Arabian sea

↳ global → increase in average
warming temperature of planet,
effect on monsoons, rainfall
lead to increased instances of
heat waves

↳ urban
heat island
effect → in urban areas, trapping
of winds, inside heat dome

Impacts of heat waves!

↳ affect on productivity of people

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- ↳ manual labour jobs affected
- ↳ closure of schools etc
- ↳ impact on construction, agri sectors
- ↳ health → increased patients of
issues heat stroke,
aggravate existing morbidities
- ↳ agri → damage crops
sectors (ex) - wheat crops in Punjab
at time of ripening
- ↳ increased cooling demand, affect
renewable energy commitments
- [Mitigation] → district administration
to publish early warning,
health advisories
- ↳ facilities in hospital to deal
- ↳ arrangements like drinking water
on roadsides etc
- ↳ long term solutions → cooling plan in
buildings, reduce congestion
in cities
- ↳ facilities for irrigation to deal with
agri

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17) How is Chandrayaan 3 different from its predecessor, Chandrayaan 2? To what extent can India's presence in Artemis Accords help in furthering the exploration of lunar surface?

Ans → Chandrayaan 3 is ISRO's second attempt to demonstrate soft landing on the lunar south pole.

Components of Chandrayaan 3

- ↳ orbiter module to circle moon
- ↳ Vikram lander to demonstrate soft landing
- ↳ Pragyan rover to analyze moon terrain, climate etc
- ↳ on-board experiments like chemical analysis of atmosphere, surface of moon

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↳ usage of GSLV LVM3 rocket module

How is it different from Chandrayaan 2?

↳ failure based → various redundancies
system to account for failure
of various components

↳ ~~has~~ more power to landers, rovers,

↳ more energy via usage of solar panels

↳ data from Chandrayaan 2 used to
fine tune various parameters like
landing point, speed etc

↳ use of AI to modify landing
coordinates, any other adjustments as
may be required

How inclusion in Artemis accords helps?

↳ access to expertise of NASA, ESA etc

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कुछ इस स्थान
में प्रश्न संख्या के
अतिरिक्त कुछ
न लिखें!

UPSC

(41)

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
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उम्मीदवारों को
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↳ coordination in usage of communication centres, radar signals etc

↳ common principles help to establish parameters - collaboration in launching, orbital positioning

↳ expertise in design, analyzing samples collected from NASA

↳ NASA can benefit from frugal engineering, cheaper rocket design from ISRO

↳ ISRO can access cutting edge tech like AI, use of advanced propulsion systems, recovery of capsules etc

Lunar exploration is for the benefit of humankind. India is eager to join Artemis accords to collaborate and explore lunar mysteries

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

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42

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए!
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18) Research and Development is the key to unlock the potential of knowledge economy. In this perspective, analyze the role of National Research Foundation Bill, 2023 in democratizing research ecosystem in India.

Becoming a knowledge economy will be one of crucial factors in India achieving developed country status by 2047

Current status of research in India

↳ funding constraint → less than 0.5% of GDP spent compared to more than 3% for China, USA

↳ status of educational sector → focus on rote learning, less emphasis on research innovation

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↳ Higher → poor research facilities, education quality of papers published dismal,
most except IIT's and few others don't have professors doing active research.

↳ sectors like defense, healthcare, bio-pharma, renewables also require focus on R&D

National Research Foundation bill

↳ create a corpus of 50,000 cr

↳ funding to higher education institutions

↳ project based grants to scientists, research scholars

↳ facilitate various aspects - infra facilities for research, guidance, publication of papers, peer review etc

How will it democratize?

- ↳ provide funding based on prospectives of research - candidates from Tier 2, 3 colleges can also avail
- ↳ more focus on sectors like healthcare, agriculture etc → leverage impact of research
- ↳ availability of funding → facilitate candidates to remain in core fields, not flock to IT sector, MBA etc → greater talent pool

Way forward → proper mechanism for monitoring of grants provided

↳ liaison with researchers to leverage practical impacts (ex) - new agri cultivation method

↳ focus on women in STEM → gender sensitivity in research

Focus on research important to spur innovation and achieve tech independence

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margin.

19. What do you understand by the term 'hybrid warfare'. Highlighting its implications for India, recommend measures to develop a comprehensive ecosystem to counter the same.

Hybrid warfare refers to new age warfare involving multiple domains and spanning complete and plus military theatres

Hybrid warfare!

↳ cyber warfare → hacking of critical systems, disruption of energy links, transportation, financial architecture

↳ stealing of private data of citizens

↳ ~~propaganda~~ propaganda, usage of social media

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To widen cleavages, faultlines existing in society (en) - Pakistan BOT accounts amplifying religious hatred on Twitter

1) elite → capturing of elites via bank capture of money, funneling money into ventures which will be detrimental to national interests

(en) - reports of Chinese money behind severe criticism of Rafale jet acquisition

2) impact → psychological warfare, on military hype up superiority, negate will to fight

Implications for India!

↳ cyber domain → more than 700 million internet users

↳ Aadhar, CoWIN, various e-governance initiatives

↳ data security plus critical infra extremely important

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↳ diversity → play up faultlines like in country Hindu-Muslim, north-south, ethnic cleavages in north-east, fake news (ex) - in Bengaluru led to outflow of NE immigrants)

↳ noisy democracy, very difficult to separate genuine criticism from one fuelled by adversary for strategic gains

Measures to deal |

↳ Gulshan Lal → develop social media analytics to counter committee fake news, monitor trends

↳ reduce dependence on foreign servers for communication

↳ cyber command within military for defensive and offensive capabilities

↳ Nat critical info infra protection centre

↳ awareness, fact checkers, counter misinfo

Hybrid warfare requires a coherent approach involving both government plus citizens

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margin.

20. How are internal security challenges related to peace in neighbouring countries? Explain with special reference to instability on India's eastern frontiers.

India has extensive ^{plus} difficult land and maritime boundaries with all its neighbours. The borders have direct impact on internal security.

How do peace in neighbouring countries impact

↳ Pakistan → push jihadists in Kashmir valley

↳ instability, wide availability of recruits to carry out attacks

↳ Bangladesh → porous frontiers, migration of refugees affect demographic balance lead to human trafficking,

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little smuggling

Nepal, Bhutan → open borders, limited border controls, used to funnel terrorists, smuggled goods, fake currency

See Lanka → migration of refugees to Tamil Nadu, attacks on Tamil population in Sri Lanka, impetus to Tamil nationalists

Instability in Northeast Myanmar → migration of Kuki, Chin refugees to Manipur, Mizoram

↓

lack of capacity of Myanmar junta to prevent safe hideouts across the borders

↓

smuggling of arms to insurgent groups in Manipur

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए!
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↳ many of refugees indulging in encroachment, poppy cultivation, action on them being played out as attack on local tribes

↳ drug problem → golden triangle - Myanmar Thailand,

↳ impact of sanctions on Myanmar
 poppy trade major means of revenue

↳ impact on youth

↳ money funneled into other illegal activities

Way forward → comprehensive integrated border management

↳ Madhukas Gupta
 both border patrols, development of areas along borders

Committee → increased vigil on riverine frontiers

↳ laser walls in infiltration prone areas

↳ mapping of refugees via Aadhaar, biometrics

↳ using support of civil society (CS) - drug menace, maintain communal harmony