Q1. Assess the potential of the horticulture sector in doubling farmers' income. What steps has the Government taken in this regard? (10 Marks, 150 words)
Your conceptual understanding is good. Structuring of the answers is also good. Use some diagrams, facts, examples in your answers Improve content in some of the 10 marker.
Improve content in some of the 10 marker questions. You have potential to see good marks. Keep writting answers. All the best.
Farmers Enlante:
(1) truje-enport potential = 38% jump
over past; 7 years.
(1) Helps very druggy wahon = prements monowhere & soil whom.
(ii) contrad for Notoiton surry
(v) utilisation of tralegue & waitelands.

12

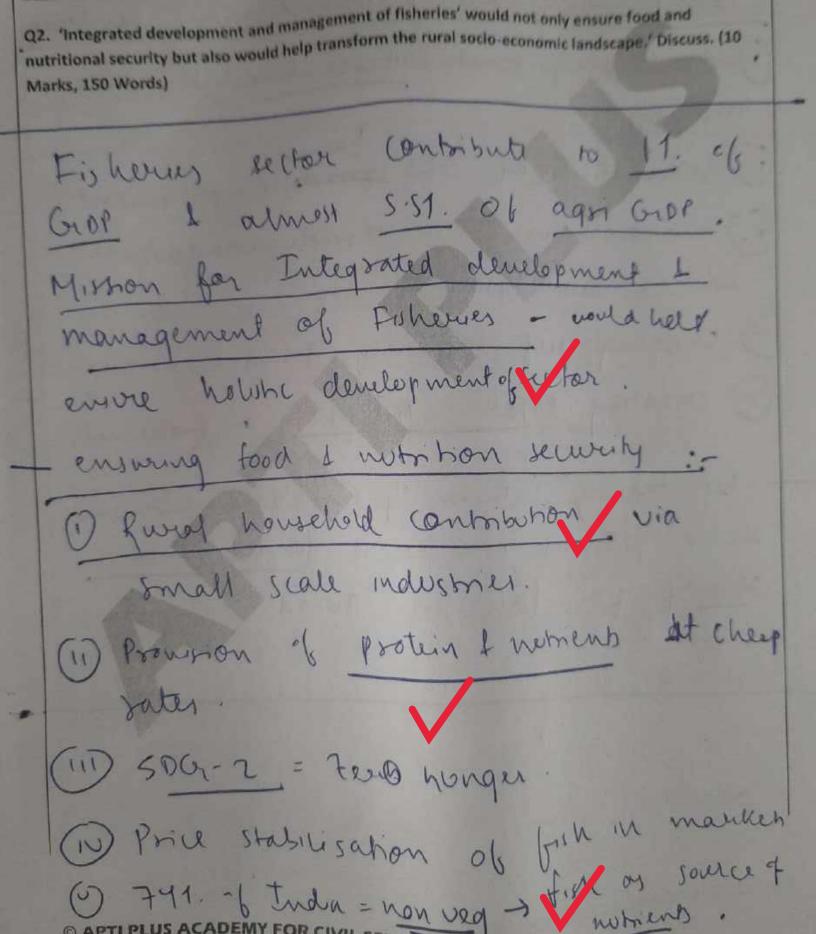
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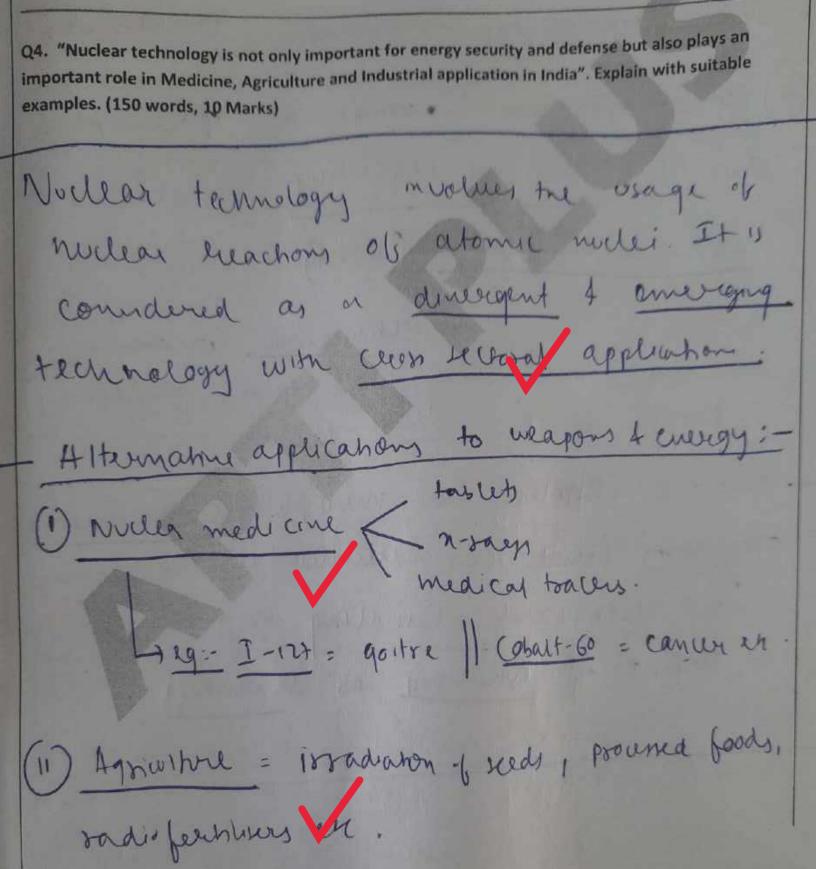
O potential in booting Good processing the generating John. - Steps taken by Greenment Desport incentives under RODTEV (1) One district one product (11) Mission for Integrated sevelopment of Morh Wither (MIDH) (1) Agri extension via FPI FPOS (i) Greating post harmes? A infra. Markwilling sector is wheat is debling farmer mome (Dalwai Rommetter) due to its linkages & untapped potentials



- Hansparming Rural sour- economic landscape O dende pring sural cottage based I mices (i) generation of off falt employment (i) empowerement of disadvantaged socio-economic groups. (1) creating seef sustaining total economies. O cereating enport patential in firmenes. by tapping hitheres patential in formus sector Endra can emine Good & nutrition slaving for laws of Tural Indians.

Q3. Municipal Solid waste management is one of the major challenges faced today in India. Elaborate upon the reasons that have created such mounting challenges in India. Explain how the conceptualization of waste to energy can bring a ground-breaking change in the scenario? (150 words, 10 Marks)
Municipal solid waster is work counstring of
energlas items discareded by public.
Msw biodegradable = food, paper.
- India generication arrand 30. MMT .f
garbage energ gran as MSW.
- challenges of Mounting MSW:
1) Amence of moran - Collection, disposal
(1) Poor lands Cape management - garbage mounds in Atadpur etc.
(iii) lack of technology - sorting, collection
treament

(1) com 1. 1 quedamanon
(i) cow level of recycling & reclamation
(< 181)
(< 181) Absence of culture of teleantinens.
- Waste to Energy (wee) as sowhon:
O generally electricity by whiting wester
(1) solves problems of overglowing landy
(ii) monet sation 4 investment . I su setor
(1) development 4 adoption of Swy techno-
India will' come to unhaure with
in and with the second with
So 1 of Inda n'bold wellan population
by 2035. Thus, SWM strategies jotgegrang
With is a nuessing for bohne.
The state of the s



(11) Industrial application: Jadio-spectroscopy, radio-spectro graphy i shakararm, toackey et. (N) other applications - . usage in spacestups due to high fuel effecting (y) & high Calerign value (Mas). emerging do nown ring heat brown widear plant. Nuclear technology was much plu non 3610enhoner applications that can hundrhouse economin, but needs careful handling to avoid a hepat of Following on Chemony!

Q5. The two major challenges before Indian agriculture today are ecological and economical. Highlight these challenges and suggest remedial measures with special reference to the M.S Swami Nathan report. (150 words, 10 Marks) Agriculture is a key denner of Indian e conomy, but hiday stamas maded with multiple challenges, which can in classified under 2 heads - ealgred 4 RCONOMIC (1) Ecological Challenger: (a) oning papulation - ownselle Clum in 2021. L'enallenge " bied almost 150 crose por (6) falling water table 4 sinning soil salingly C) overvage of bert liver & whent we make a) desmotion a diversion of ceoplands for

Commercial uhlason. (2) dimate change (2) Economic charlanges (2) Increased cost of inputs - S77. Thru 2012 6 Pour marketing & pru discuery - middlemen taking long share while farmers get only () Price volatily :- I'm & fall = impredictations Wit.t. sowing decisions d) low capital formation 2 345/11 mailasity The need of the low is land reforms. premenny drumon, adequate water supply i ophanty supply chars, to improve agraphicale rentine.

6. In India, the women-labour force participation is declining as against the worldwide trend.

Kamine the causes for this decline and suggest some steps to halt this decline. (150 words, 10 Marks)

According to NSSO data, India's

Fernale Labour foru parhopahon
rati (FLFPR) has fallen to around

221. prom over 331. a decade
back. The malain is much worse in

Volum area.

- Reasons behind FLFPR J:

1) Social reasons:

Patriarchal attibul = not allowed to soul.

(5) marriage = affects jobs, also

Degrancy & related dawns have impact

(1) rin in education qualification of delay on

James woulford. (m) economic reaply .women from wering. (b) gap between maly 4 femaly 3 9 (an alings. O declary agas employment (10) workpron safety & security. - Government policies & incentives 5 Kell development schemes. improwing t · investment in earcahon focus on female intensing littals Changing soully 3.5/10 Concessions in laws attude

Q7. Transnational linkages have remained a crucial force multiplier for the insurgents in north-east India. Examine. (150 words, 10 Marks)

Approach:

- Briefly introduce the topic by explaining transnational linkage.
- Then explain facilitation of transnational linkages through various nations like China,
 Bangladesh, Myanmar, Bhutan etc.
- Conclude by mentioning multi-level efforts required by India to tame effects of transnational linkages of insurgency in the north east.

Villages between different nations over & acres bonders are called transference Unkager. Despite senefitting PZP Connect trade Coannit et, they have a menace for spreading mountency, especially along NE Indu Elma Bons nanonal linkings in north east: neighbourg Posous Topura, Milosam, Norgaland

(1) maintaining of facilities: equ. NSCN-K has facilities & paremones in Myanina. (11) Cross borders supply of weapons, army A narrohy to bend injurgency. 1) transmational nature of mounging arganisations 29. NPLF has are Comprising WE 4 Myaniner. 1) Neighborn gonements sheltering & sustaining insurgency - eg: - China in NE. A concentrated effort weeds who made by secretary central agencus, state News, Cocar gout 4 civil administration! to gether with using the international prenure & cooperation IL WILLIAM CONTO

Q.8. Cyberspace as an independent theatre of war is about attacks that compromise the capability to use these facilities: they cannot be prevented by the security services in isolation. Discuss, (10 Marks)

Approach:

- Introduce the topic by explaining what is meant by cyberspace.
- Discuss the need for an integrated approach as against isolation policies to tackle cyberspace threat.
- Suggest some measures to securitize the spaces like cyber among other critical infrastructure.
- Write Way forward to have an integrated approach to tackle issues of cyber security.

in berspace refers to the construction to interrelation of computer system over gobal network Today Cyberspace is the latest prember of global warfare, and needs multiextral cooperation to truewit for I need by megrated approach against standalone Organisations of central & state level

@ APTI PLUS ACADEMY FOR CIVIL SERVICES

(1) involving organisations like sails, industries, services in cyber severy mandet 1) Cross country cooperation at international in network & Threbre design (1) coperation (i) integrating sewe technologies like #1, blockehan 2.5/10 PPP deplomacy Strengtheny Cyber space in nevation Legis lame megris Capaciny boildry.

Q9. What do you understand by block chain technology? Discuss the applications of the technology in various fields. (150 words, 10 Marks) Approach: Introduce with the defining the block chain technology Mention the advantages and challenges associated with it Write a way forward 3 lock chain is an integrated command of sugreal packets over a decentralised Lataban + blocks (racket) tchan (links) 4 block chan rep Applications of block than technology: Financial infrastructure loans, corrency

Financial oneb, ch. (bitain) 3 sour- economic application = dighted and records, public health data et. (3) Genermanie: minimuse bakage, comphon, byen (4) Energy sector: dan quelyon, most gras, trading of certificates etc. (5) ghu appliations. national kwilly order verhau njustoneure, e-voting etc. prone to cyber attack privacy gal-nytit. Concerns for immutability poor legal-nistit.

transcense 3.5/10 Block chains offers multiclosal opports when but regimes strong addressing of concerns. A regulatory prame work wanted be a D CIVIL SERVICES

Q 10. "Unemployment is the lesser of India's problems, instead, it is severe underemployment." Evaluate. Also, suggest remedial measures. (150 words, 10 Marks)

APPROACH:

- With the help of data present the status of underemployment in India.
- Enumerate major factors behind underemployment in India.
- Suggest few remedial measures under way forward.

Unemployment is a scenario wherein a person Searching for job is whath to find our. Underempleyment of a silvation wheren three is a mimeter between the skills demanded and suits acquired by a person. NITI Aayog on a "Draft paper of the Job scenario" called Underemployment a "malase begond par". - Factor behind underemplyment:

1) Pome meson - Warson + cycle orangleyment

rote band, ruly issues with education learning, mimetaning, ne vocahonal whatever is on offer (11) Societal pressure - picking (Subship on va technology. y Competition - 5 millow graduates competing for inder 0.7 million new jobs annually. h export led development Remedal revamping education strengmening 3.5/10 MSMEnum. Singapore, China, Taiwan & others have shown that intermentions amed at improving job creation las spillerey benefit, and needs adoption by India.

Q.11 Irrigation in the Indian agricultural sector though being a national challenge, however, requires a 'region-specific spatially differentiated' approach. Stating the relevance of the 'four water concept' examines the issue with suitable examples. (15 Marks, 250 words)

Approach:

- Introduce by writing the share of rain-fed farming in Indian agriculture and stagnating productivity in the absence of irrigation.
- Write a region specific approach to irrigation and farming with recent examples of initiatives taken by states.
- Write what the 'four water concept' and how it is relevant in recent times.
- Conclude by writing the importance of irrigation in light of changing rainfall patterns.

Imigation is the provision of water for agraviture. India is a country Cargoly Tampall dependent (681), with only 321. of the over horring ingation facilities. Imagahon as nohonal shallinge: (1) productivity lower for overrigated come UN-9-VU iongated lands ferthly us wapon also show a similar trend

(11) in atsunu of proper impation, traverse of acres of land lest annually to density reduced productions inplications to food Harry - My water concept). Integrater 4 elements of center to ento natur roggenemy. o 4 elements / nom water - good/supace water - soil morner. Ly ban of projects like Tay Bachao (Bihar), Jain (Oujores) ek. Benefit :-O what for drogert prove array. APTI PLUS ACADEMY FOR CIVIL SERVICES

(1) low cost & easy to adapt/my terment (minersty evening. by creation of water 19 Gram Suarayya villages. O reduced redmentation, evening en As world moves towards changing Umahi conditions characterised by one myortant that mustable in mybrides were 6/15 years concept by mybrided in menion mal.

Q.12. Agricultural Storage Facilities Development is a panacea for distress sale of farmers and food inflation for consumers. In this context Discuss the Scope and constraints of agriculture Storage sector in India (250 words) 15 marks

Approach:

- Introduction: Mention the current issue
- Explain why storage facilities can be a panacea for distress
- Mention the constraints and the scope of agriculture storage
- Write a way forward

Agriculture is one of the most strences
sectors of Endian economy as noted
by its poor Statistic 1 Growing 2018 / 161 / 481 - Poor Horage facilies 1) a panacea for these problems the sector faces. Reasons.

(1) @ farm level . poor strage - decay in quality + damage by prof Lauman (1) lack of cold shrage : high legistics cost (Ind = 147, 11 = 81) (menen distribution o mesty in New India UKE PJ, MY, West UP in. @ Poor connectivity of transportations (4) Poor whiling supply egg runs cratin, electricinger Stope for crashy shring faulther @ Agn warehown order PSL by RBI 6 casy trading of agn commidition (1) Subsidies of warehoung of transportation (of operation green = four on told prous

(b) ones golt schemes · PM Sadak ypjas - PM SAMPADA young · Mega Good parisj. · Porate notor parapahon M Orlowy facilities 6.5/15

Storage facilities is Orincal as recommended by showth kinon Committee to prient wastage and hinely 4 adequate shinge facilities & nominal cost — Key to doubling farmers mean.

Q.13 Despite the sincere efforts of the government, the ghost of Black Money is not going to disappear from the Indian Economy soon. Critically analyze the statement in context of Pandora Papers Leaks. (250 words) (15 marks)

Approach:

- Introduction: What is black money
- Mention the various Efforts made by the Government:
- Mention why the ghost of Black Money is not going to disappear from the Indian Economy soon
- Write a way forward

Black money that any unaccounted for money that has in its end goals a negations design.

The recently leaked Pandosa Papers has regarded the black money debute in India.

= lower income boy
= low of reneway meggling - Gamblin Sources of - Janevasson order valuation black + increased fiscus
activot money soonterferting Proshhoron I interest borden. Carlebrahon Efforts by GroI to curs black many O Political bunding: electoral bonds, arranging Cash imit 01, 1000/-(1) demonth support = made a redundant black money is cash (11) Voluntary disclosium of black money schem (1) Benami propursies Act 4 REKA

() Promoting cashless economy = growth m e-banking, UPI, Ch. () Black Money Act 2015 & FEO Act = against black money storted absence. (vi) Automatic Exchange of Info (AEOI) with 80+ country as well as Cooperation with T.C. Cyhost of black money wont disappear soon Black money a systemic problem = needs overhaul from top to bottom 6/15 delayed judgement = loopholes (2)) non-cooperation with: Tax havens cice Cayman Is. Ch. (Demonthischon, ex not succensor)

Q14. Discuss arguments in favor and against of crypto currencies as legal tender of Economy. Also By Q14. Discuss arguments in favor and against of crypto currencies as the seconomy. (15 Marks 250 Works) your opinion regarding Future role that crypto currency could play in Economy. (15 Marks 250 Works) Introduce by defining/explaining the crypto currency Approach: Mention the arguments for and against the Crypto currency Mention the Future role that it could play in the economy Conclude suitably Cuypho correruy 11 a form of payment block chain technology and is used to pay securely on online operating on became 1th Ricentry no El Salvador legal/tender. country to un bitcom as of Esypto curry - Arguments on towar or legal tender : (1) Checks corruption - via decen tooked

tracking of money flow (1) Time effective : 100 lateries, real time found (1) reduces intermediary cost = negliste compared to bigh costs (~41.) marged.
by banks, FIs etc. (Casy real time temper. (3) anonymy of transaction -> Arguments aganyt: (1) Highly volable : due to speculation (1) Risky = if over bons private key ne looses access to Oupplo (1) Malware prone = eq - hacking attacks on com withanger.

(Prone is misure = money landering terror financing () by passes regulatory bodies rendering money pary influence. 7/15 + India has the potential to become a leader on global crypts domain, you corre should be taken to essure our only formula security and therentened

Q.15. Usage of Chemical Pesticides has been proven a double edged sword For Agriculture in the country due to its role in raising Productivity and Toxicity. In this context critically examine the utility of Chemical Pesticides in Agriculture economy and briefly discuss salient provisions Draft Pesticide

Management Bill, 2020 (250 words) 15 marks

Synopsis

- Introduce by citing the importance of pesticides on agriculture
- Mention the utility of the pesticides
- Write the harmful/toxic effects of usage of the pesticides.
- Mention the salient provisions Draft Pesticide Management Bill, 2020
- Conclude suitably

humical Perhudes have been used in lawous forms in agriculture to boost phoduling. India's average per Usage stands almost 1-8 times the global omerage. Uhly of Chemical peshades booshing agri productivity = green new leton in India in 1960, 4 tos

(1) Reducing crop / gold losses = by almost 40-451. by their isage. (11) desear control : in plants (10) Controls, microbial growth e prevent Yield less due to hampel agent. Toxic affects:-1) Potenhal nok to homany 4 favores species D'Harmful effect on farmery due to Prolonged exposure. Marinful effect on consumers due to bioaccumulation of biomagnification. (w) long term dedne in soil, water &

promoting organic dan on perkely - Cabert provinces of periods to berners Draft Perhade Mgmt. Compulary - dan agrial f registration in local layings regulatively advertisents Compensation for low of persoder. gooling perheden bia Central bring. The wrient legislation would go a Long way in ennering safes on of perhades in the country while aligning environment & development goals. 6/15

Q 16. Asset Monetization can quickly move India from Low Income country to High Income Country. In this context discuss the significance and challenges ahead in implementation of National Monetization Pipeline. (250 words) 15 marks

Approach:

- Define what asset monetization is.
- Explain the potential of asset monetization to boost the economy
- Mention the significance and challenges posed by the NMP
- Conclude suitably

Asset monthsahorn leefers to the process of generating retierns not of an asset which is onthesed. It induces the value of confunder unliked jubble asset.

Unuhused ainst to private Z Pages Generalis revenue

Significance of National Monetization Pipeline: (i) Generalts capital = for government va the private plager soules. (1) oceahing capacity = technical of himan, by provate player - demographic dividend whired (1) ean focal borden : helps clear dead amb [hability of government hooks. (1) Prie discovery (no transfer of ownership. Challenges to NMP: . (1) un attraction to private sector = revenue Sharing + no ownership transfer.

G many projects ontidded.

(1) absence of regulating framewave (11) Shochral issues = lingulon, encreachment, Co-lending as mortgage en. () delay sureaverance delay -> Charmey Cand acquinhon, policy parays, et. 6.5/15 Land Monehisation a visionary, yet milondershod sep, needs to be rud of its lacenas to lensure it reagnstul benefit to Indain Financial System as envisioned · 313394 34 194 73 33944

Q.17 What is the Silver Economy? Discuss Its Significance, Challenges and Government steps in promotion of such Economy (250 words) 15 marks

Approach:

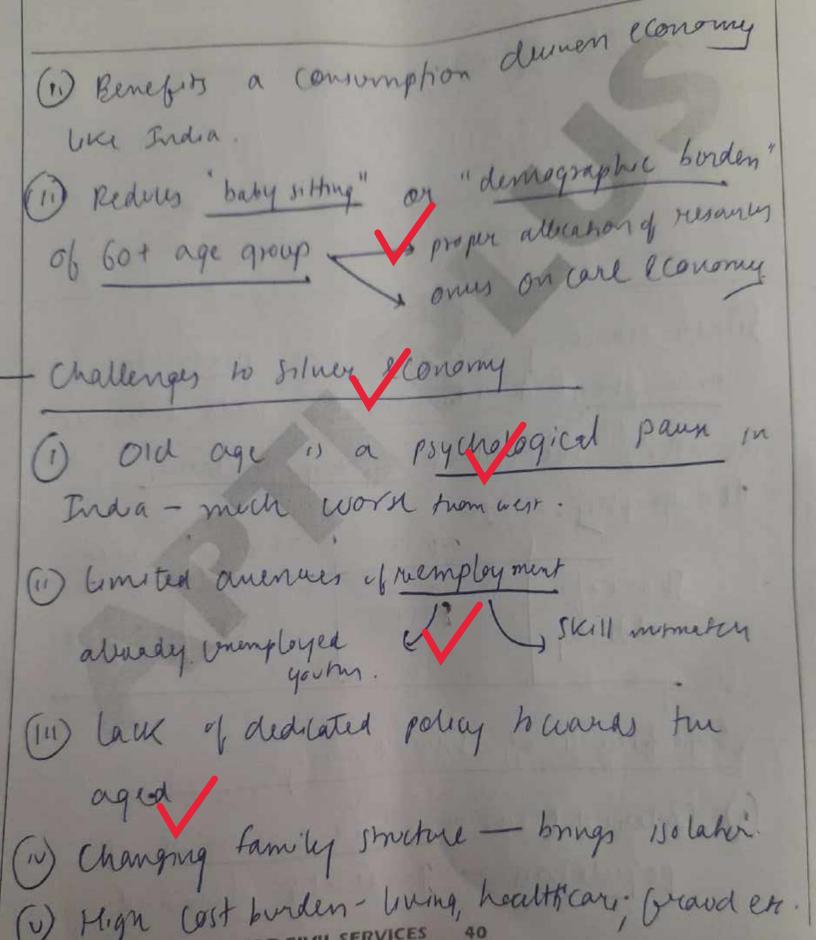
- Define what is silver economy
- Mention the significance and challenges of such economy
- Write the government steps taken by the Government to promote silver economy
- Conclude by giving some suggestions

Share of sold for production of goods & councers armed at the old & ageing repulation demography.

Share of 8.57. 12.57. 19.57

significance of Silver economy

(Catury top a significant chung of population - generaty demand



Draft National Gout Steps lowerly - Nath. Commission for
Policy for server Silver economy old age persons
whereas

SACRED porter

- YESKELD & Leadsophore inh labour force. > As demography changes, it imperative to bring people at beinger to a Certain level of searchy- socio-economic. Assuring server whirens would be 2 bg step towards it -6.5/15

Q.18. The trade deficit has always remained a cause of worry for the Indian Economy. In this context, discuss the factors responsible for wide Trade deficit and long term measures required to resolve it. (250 words) 15 marks

Approach:

- Introduction: Define the concept of Trade deficit
- Mention the points for why widening deficit is a cause of worry
- Write down the factors responsible for Trade deficit
- Mention the measures required to resolve the issue.
- Conclude suitably.

Trade defect is a situation when imports are more than exports, truy balance of trade is negative.

- India since tende consouth Rate years has withered sustained trade defeat, due to import dependence of mineral or precious & semi-precious story ex.

- Reason for woring: () internel demand not met - leads to entume dependence un myork. need of printing mari covering in finance trade defrom. (11) makes India onfavourable deshnahon for FPI & investment. Faches responsible for back defect of means (") Invested demand / Post 6010 lockdown (1) Calobal factors: profectionem by west, aggressine not of China et (1) Oil hearing up = F8om \$39 barrel to \$109 harrel - Steps to be tallow to revolve defect ? 1) Trade agreements: Scancinas TOA (1) upgrading export infra L'auty Good answer. (11) wthy oil consomption Frenewally drumbying of barkets (19 Amenist har bharat: Import Jubshih hon to que ones to Make in Inda India hant completely opened up to 96hal Covering that still has significant global trade
footprint - needs gtil demerke policy support

Q.19. "The new Drone Rules will help leverage India's strengths in Innovation, technology & engineering to make India a drone hub". In this context describe the advantages that India perceives from drone technology. (250 words, 15 marks) as notified by The new Drone rules 2021 the ministry of Civil Aviation are a hallmark change in the durchon negularisator of operation, usage & of drown in India. · Digital sky = single Ommercially / window platferm. Key pointry To Categorisation of · I reme promotion council bond on weight - Max wegnet limit E Sul cerupicanon · also includes drone fami.

Advantages acrued from Drones: 1) Defenn Sword: for a Hack

Should: for defenu (AM weapon) (1) Land mapping _ SWAMITUA remove (11) delnery: Pirta (dominos), Amazon D'Agnorthou. crop swrwy, spraying of Ashuder, pludling dreps en. monitoring = roady, crowd control en (v) staumy 4 tech leadery = boosting entrepreneumip X job velaby (vi) Indea as Drone hub 1 1+muts FOI.

- The new decome roles and landmark in leveraging the patential - entropped 4 overeased. The policy needs government handholding, private sever participation 4 other entropeans.

5.5/15

Q.20. The unviable use of wetland resources is a combined result of information, market and policy intervention failures. Comment. Also, explain how this is pushing us towards an unnoticed ecological crisis. (15 Marks, 250 Words)

Approach:

- Briefly introduce the ecological importance of wetlands.
- Discuss how information, market and policy intervention failures are responsible for unsustainable use of wetlands.
- Explain how wetland degradation will lead to ecological crisis.
- Conclude by discussing the way forward.

A vettand is an area saturated with water either temperarry or pummenty or breaking a althout ecorystem. India has let wetlands, of which 2 are accorded special protection render Montreaux sectors:

Disues leading to organistamably wetland

(d) recent changes = new EIA wertrahan new Orban poly & to Msw thouatens e) Absence of management paling. water issues = degraded quality looming quantity ecological affects elological functions = a ment recycling, warthater management. I impacts flora & feurna 6.5/15 L & SCr Owns - eg: Australia. acquired newer - Weltand Consumation has vigour on recent years I sum a campan must be surfamed.