

An Institute for Civil Services

IAS TOPPER'S TEST COPY

RUPAL SRIVASTAVA



GEOGRAPHY OPTIONAL





34377

(1195)

GS SCORE

Geography Test Series 2022

TEST - 07

(134)

GEOGRAPHY

Time Allowed: 3 Hrs.

Max. Marks: 250

Instructions to Candidate

- · Please read each of the following instructions carefully before attempting questions.
- There are EIGHT questions divided into TWO SECTIONS and printed in ENGLISH.
- · The candidate has to attempt FIVE questions in all.
- Question Nos. 1 and 5 are compulsory and out of the remaining, THREE are to be attempted
 by choosing at least ONE question from each Section.
- · The number of marks carried by a question/part is indicated against it.
- Answers must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided.
 No marks will be given for answers written in a medium other than the authorized one.
- · Word limit in questions, wherever specified, should be adhered to.
- Illustrate your answers with suitable sketches/maps and diagrams, wherever considered necessary. These shall be drawn in the space provided for answering the question itself.
- Attempts of questions shall be counted in sequential order. Unless struck off, the attempt of a
 question shall be counted even if attempted partly. Any page or portion of the page left blank
 in the Question-cum-Answer Booklet must be clearly struck off.

	Name RUPAL SKIVATIANT
	Mobile No
Invigilator's Signature	Date
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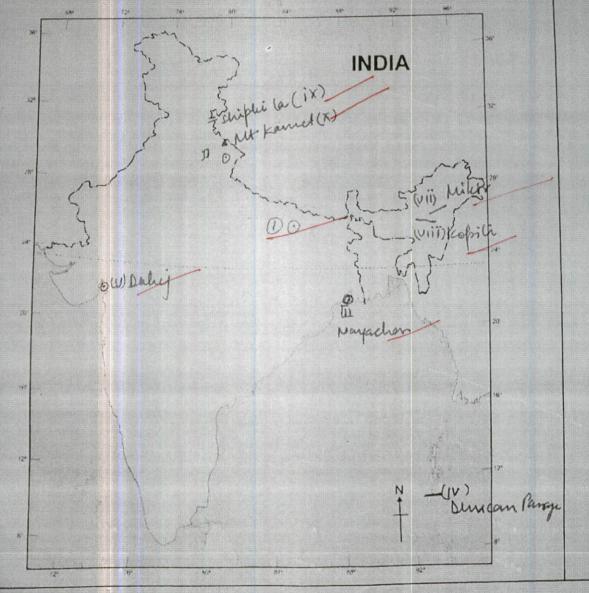
REMARKS	GSSCORE	
and the state of t		

Section - A

1. (a) Locate these map entries on the map and write about 50 words:

(20 Marks)

- i) Mirzapur
- ii) Naukuchiatal
- iii) Nayachar
- iv) Duncan Passage
- v) Dahej
- vi) Sarju river
- vii) mikir range
- viii) Kopili River
- ix) Shipki La
- x) Mt Kamet



GS SCORE

(ii) Important centre for Brassware industry (5) (ini) Fertile middle gangetic plains per vour cultivation of 'dangela' trango. iv Temple tourism - Vindhyachal Peeth (i) Naukuchiataal (i) near Naintal in Uttarabland (ii) 'group of 9 taals' - some of them me tallitat, hallitaal, Bleemtal etc. (ju) seisure some I mea of Kumaon kinday (v) Important townist centre. (i) sand bon island at the month of gange in west Benjal iii) Nayachar (ii) Important mangrone leosystem-sudarban (iii) Local fishery centre iv) Duncan Passage b narrow passage between south and dolle sudaman

GS SCORE l'églosstrategie styrificance - us frontier areas. (Dahej b located at the gulf of Khambat coast b emportant fetro-chemical industry exist (Helly developed) (Vi) Larju Liner Is flows through uttarahland b Anteredent over - cuts acron the Kumaon hinaloges. - East West running hills - Between Righalays and Souther Assam vii) Mikir fills - Physicapaphically similar to neglalayan platean Archaen and Shaswan rocks (Wii) Kopili Kliver - Souther tributary of the Brahmaputra in Assam > ty to write the climate regions where most of thele locations are societed.

and the state of the state of

GS SCORE

(ii) blows through the active kopile Fautt' and close to ofler faults like Athercant' (iii) Prome to flooding due to channel (x) Shifeli da 1) - Pass near the Utaskhand-China Bordy ii)-Kine Ceithy enters through this
ii)-Kine Ceithy enters through this
and also one
ii)-Strategie strificance and also one
of the highest motorable passes of India (8) Alt kannet 1 Second highest peak of Ultarahland after Kourda Derri (ii) Lies in the kurmaon/hiddle

frinalays (iii) complex skruture tile Nappe folds (att., also found.

GSSCORE 1. (b) Highlight the importance of "Holistic development of islands" Programme in India's island development. India's Island development programme needs to correr the areas of coastal Sand bar blands, Andaman and Nicoben volume Islands and word habshwadeep island. A nolistu development of islands should Economic - limited Robertal orddren the 3 pillais of divelopment - high vulnerability dinesty Importance of Wolistic Development potential D'Economic diversification -Colishuradech - as limited againstural Edential due to edaplice Observet kontra farming and apport unde ODOP - Also low mineral resources' (onedictrict me product) - Organic family * Potential for en tourism @ safeguood the 'tribal divertity' as some of PVTGs the Sontinelese, Ongo, Jovannas etc fond in Andomanan. thus the need to benild 'Social Capital in dentopment En mapping of tribal knowledge & Remarks meneting their produce.

meinterining crossogical balance GS SCORI Environmental sustain ability - as some

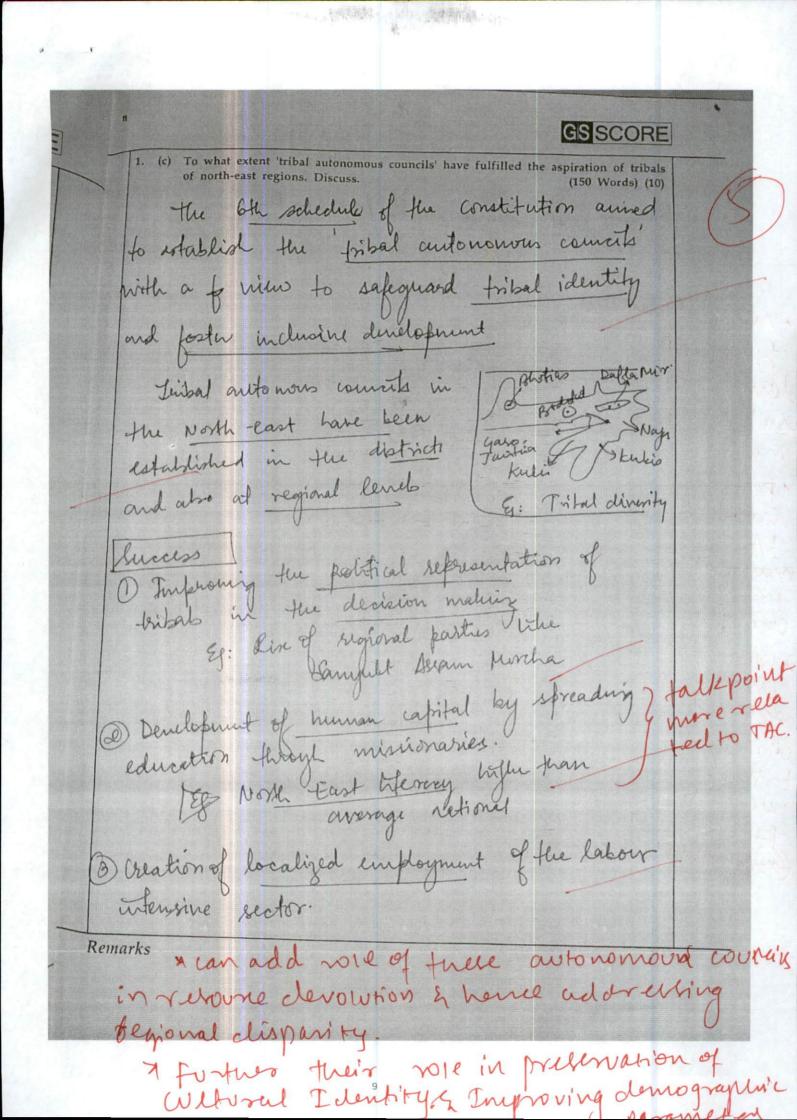
of the critical ressystem.

Est Andamen plan by

NITI Anyry can rish the division by

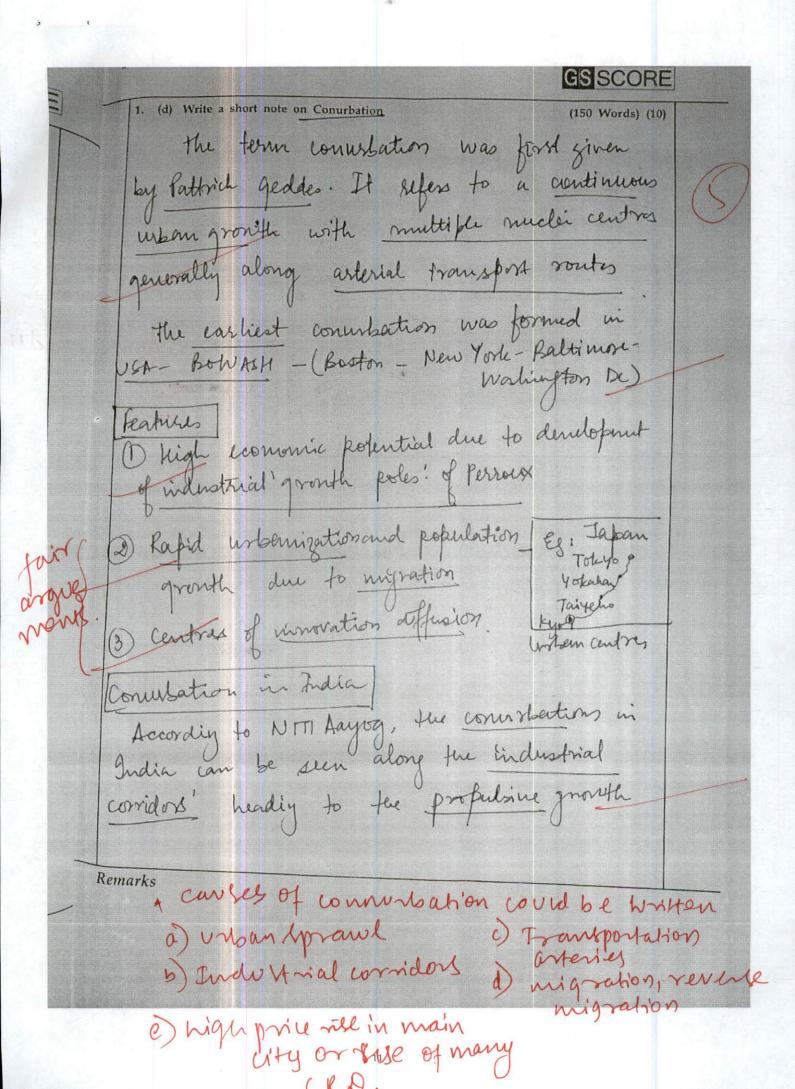
deatherback sanctuary or

Est Brodium Eg - Briodiumity Wear prime to 15% of proposed cyclones these development of 'kioshield' Also connectivity to mainland must be maintained po critical resources. Along with this, the islands also have genstratgic sijnfiance. a kulo mention their Dole in glo Ctrategic aspectie near to choke points of mala thrait. * there islands heeps in Ruhaming India's trade & economic potential by develop ment- of major portset.



Cs: Lilk cooperative in Assam-tunger expert However, Aline have been limitations Description of connectivity of mostheast to marrial is not yet achieved. * mention namial devowtion (2) Risa of ethnic wiflicts can still be Un't upto mark. seen Es: Bru-Reang issue between Tripma and hizorown aportur most of TAC & Demands of sucksionism - Eg: Tipraland, warred Water of Magalian comption Threats of insurgency and illicit drug trade. * Women There is a need to selvamp the regretted tribes autonomous court with fixed tribal inventine and connectivity to northeast marting NE-SARDI of Blavat moth En Magatribal council. Remarks

10



GS SCORE D Along-the Eastern Dedleated fright (= Corridor - (Delhi to helder) Hoy. Delhi humbai Tudurtrial Corridor 3) Mini convolation - Langalore en Hubli-Belgum Tarridu vo Agra-Consideration Problems Agra-matura Waste and Com lead to suction follution to Renpeffect heavy industries Waste and Urbeni sprawland slum follution to It is essential to plan the growth of conumbation and also link fleen to smaller form by feeder routes Remarks

GSSCORE 2. (a) With the development of Smart Cities there will occur a greater migration from (urban and rural areas to these Smart Cities. Discuss various urban and peri-urban issues resulting from the prospective spate of migration to these futuristic cities. Suggest measures to be taken for facing these challenges. (250 Words) (20) The laurch of Smart cities mission to 100% ities aims to improve the scononic levels and guality of life of the rapidly whanising population. I ease of living Improvements It diploys the stealegy of retrofiting, sed evelopment and area based development however, due to increased migration, these will create a new set of dallenges O Increasing usborn sprand and slum development in the whom and periurban areas an increase from present 6 or to almost ger by 2030 Marani Slum = Invillion == 5 ligh disease orthogeals 5 pollution Remarks I give a brief of why migration happens to

these spaces is as sense of counter magnets or Assence

of intervening opportunity.

Outbreak of diseases ie conto the sources present a true like groundwater, green spaces ske. Ex: According to UN Habrital, chennai (a enract ity) expected to run out of water by 2000. social chis purity. Within wieties Eg: Kampus Sanga most Sanga Rollited Stretch of gangar at kampur 3) hureau waste generation due to high population willing Eg: Rise of Delhi Bhalsana landfill @ 10 mtr/year stone wskepst (1) Eirham disasters - high population Case: Shima floods -good -a small why tilluse in these somart wies enampa Trurist footfall increase the whom heat island esterisine hotel industry S Issue of urban mobility like traffic congestion Case! Bengalone - 17 hus, I smartity Average Praffic = 3 linday To overcome these issues and achieve the frue aim of 'sward' and innovative centres'of smart coty. following can be done.

GS SCORE D'Smart housing'- planned elem development by high rise, by Es: Brazil -favelas = studio rocom, aparthund density settlements Duse of als based mapping by cartsolal, Risat for groundwater aquifer Whater metering on lines of south levrea - 9000 cari Bhakal Bluart waste management - 1st e-waste enough denic 'm tudea in rollab by the peremotion of Christar Gross de technologies ite with clas. Case: Grahhaus turng e-Vehicles, metrenses hyperloop etc smart usy Proposal to develop Trams or 'overhead Karts. Case: China (3) Small when morphology witing blue-green whastructure sporge off 'geolephiles' volu bio swales TOTAL aguite periodat A Allo mention role of various govalumes in making laddrelling migration issue ie Satellité Cities, à more growth potes

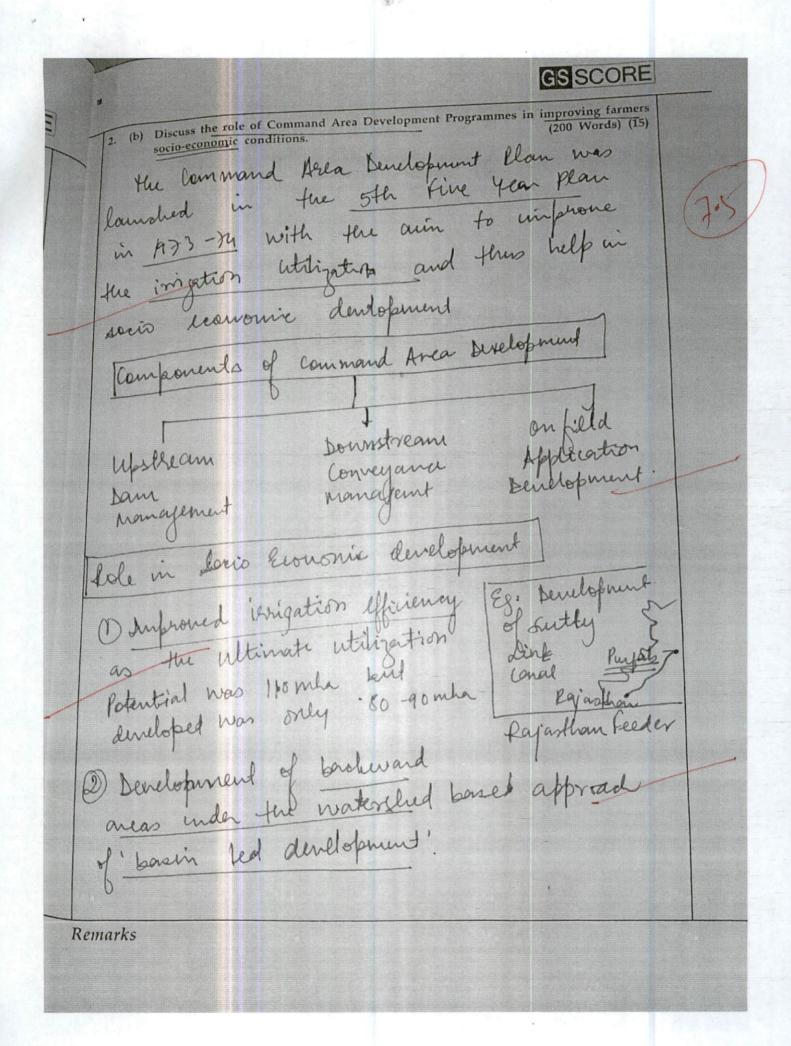
GSSCO

Along with these measures, development of counter magnets as lapel 2 smart cities (an help to absorb wants of migration by acting as intervening centres of Stoufer.

The rapid urbanization expected to reach IT! from ownered 35! (Mohut Report) can thus be effectively planned.

+ you could have consided that developing growth poles or growth foil as envisioned growth poles or growth foil as envisioned by R. P. million to address migration.

Lyou have written good enamples keepit up.



GSSCOR Es: the Sharda Canal system-one of the largest in India & Up & Up watershed in Bareilly etc (3) Improved pouce generation Fanchet Tallaiga siner valley projects in the sonnodas Martin tiner - rowings upstream E: DVC Power (9) Sevelopment of extensive often of cornels and on farm drip and sprinkler for improving Ord yieldo. [Increase in frodution
[ESI-2022)

(ESI-2022)

(ESI-2022) however, it also had [certain luintations] Descripted to selected sugions only.
Es: Neglect of mostle eastern areas Defocussed on the agricultatal production but not the resource use officiency E1: Will average imjertion efficiency is ~35% Remarks

GS SCORE RE Dethe structural interventions of sams, canals etc. increased the rish of disaster vulnerability Takri Dam there is a need for a command Area

Denelopment Program 2.0 which focuses not

just on irrigation but also on brof diversification springhed durchforund rainwater har westing by linking it to Jal Shakt Abhiyaam. Remarks

The state of the s

the trans

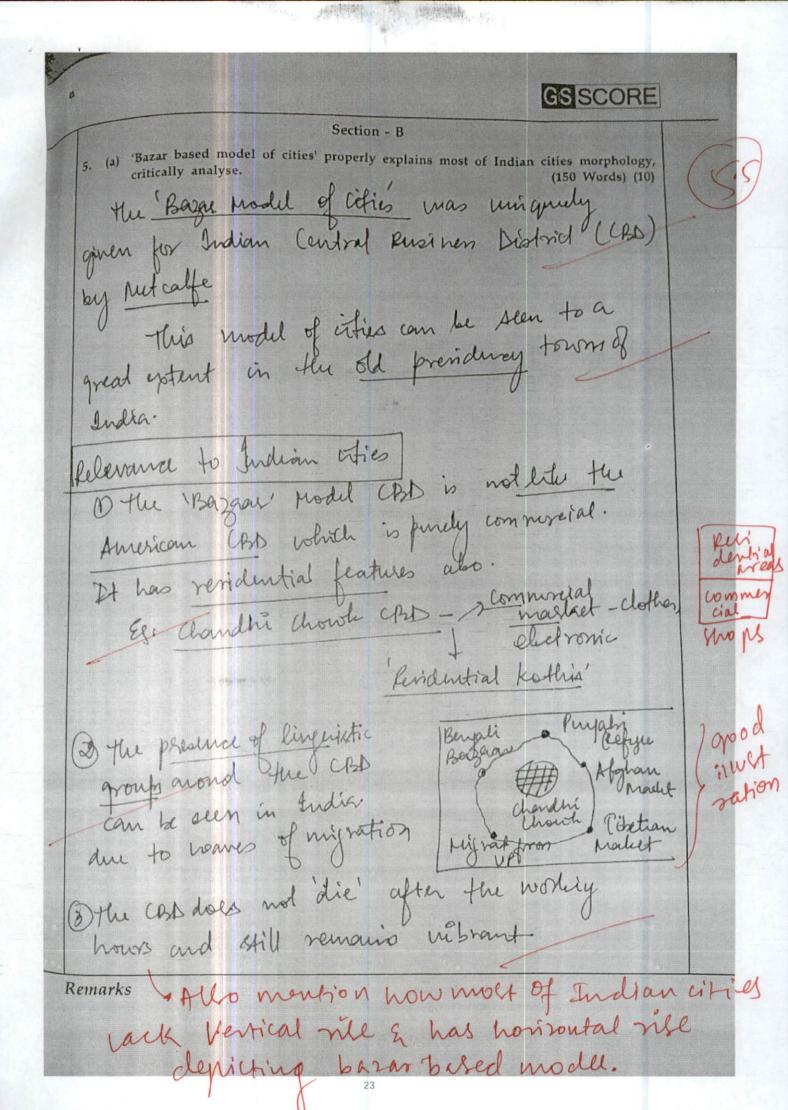
2. (c) 'Hilly area development programmes can't ignore the geological characteristics and related vulnerability of the region'. Elucidate. tilly area direlefament perogramme in the tuinalayer, turvainstal Kills and Western geological features ghats count ignore the sustantile derelopment and vulneralities for the Kuri alayas and Western Glats Purnahelal O Geological features @ Resistant mountains and thus low water (a) Sedimentary rock structure (El. Gerial percolation O Basaltic, Decliments in Shinalths, Marine rediments in greater and hiddle) archaen rocks) -B) slope modification to active plate volliston due to extensive plantation of Arran-Eurian plate eg: Kerafa Tea arl Es & Dehradun Redge coffee Plantati. Syntaxial bends. O short swift drawinge culting acron (suprinpose) Vulnerabilita C. Jamet. 1 Selsuice Vulneabslity O Keany Panfall (>200 am Zonation Zone V landslide perone Remarks & you have arrouged both the dimentions in a fair manner, but would have related

them thereitself 180 Geological features -> Steps to

to taken to address

how factor of safety of GS SCORE (2) >2000 dams in the heaten ghats-theat Case: Maris pers landstill of Reservoir Sericulaty + I jei tuput Inghal channel Inghal Case Kessela landstide in way and -> 12 formel in 6 km - All 34 dams Haparte. -> Zone I Strategy or development 1 Hazard Vulnershirty Rich Assessment Aug Gls baned masping of fault lines in Bluma fault, kopilli fault etc. Delineation of La sensitive zones (Alvo) Chopra and Kasturinangan Countree) En Ice for ensing 1 Watershed Based development using models to promote Decentralised and obop & Eco form Lily water 100 detre outonomous tribal coures & Eg: lecent Bodoland Territorial recognisation utilizing for midigenous Latertinkage. Remarks

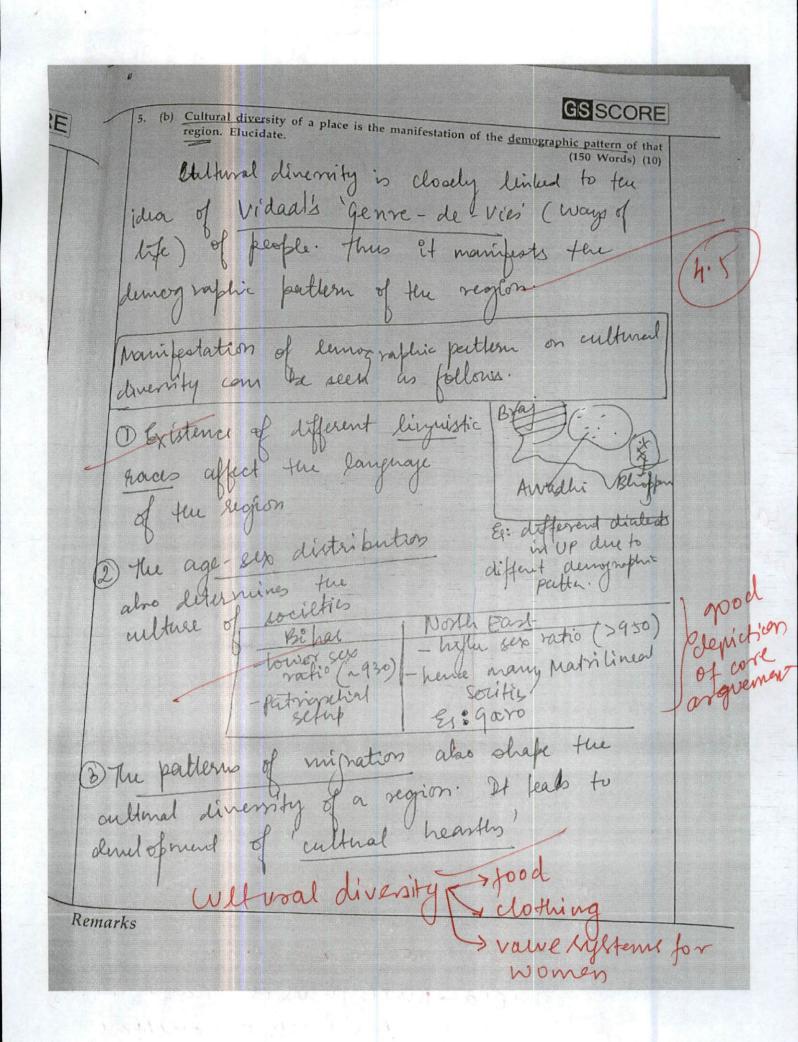
GS SCORE Elilly area demosphent can unleash the evolvenir demosphenent in line nith the local evology and inclusive development of local tribal diversity.



GS SCORE

Eg: Old ducknow - Ameriabad CBD - nasket centre's- the kuntearing hence 24x3 active However Bazaar Model has some limitation Det annot explain the development of kort cities which was explained by the Post model. Eg: Kolkatu, humbai 1 The recent trends of instamization have charged the nature of iss Es: like of 17 Bulk in Bangalone 3) Also does not account for the Securit residential change, of high rise bridding dru to myration ' El: Greater Norda Tun Bazaar model explained the historical and cultural towns with. But it could not address the neo-worken inties

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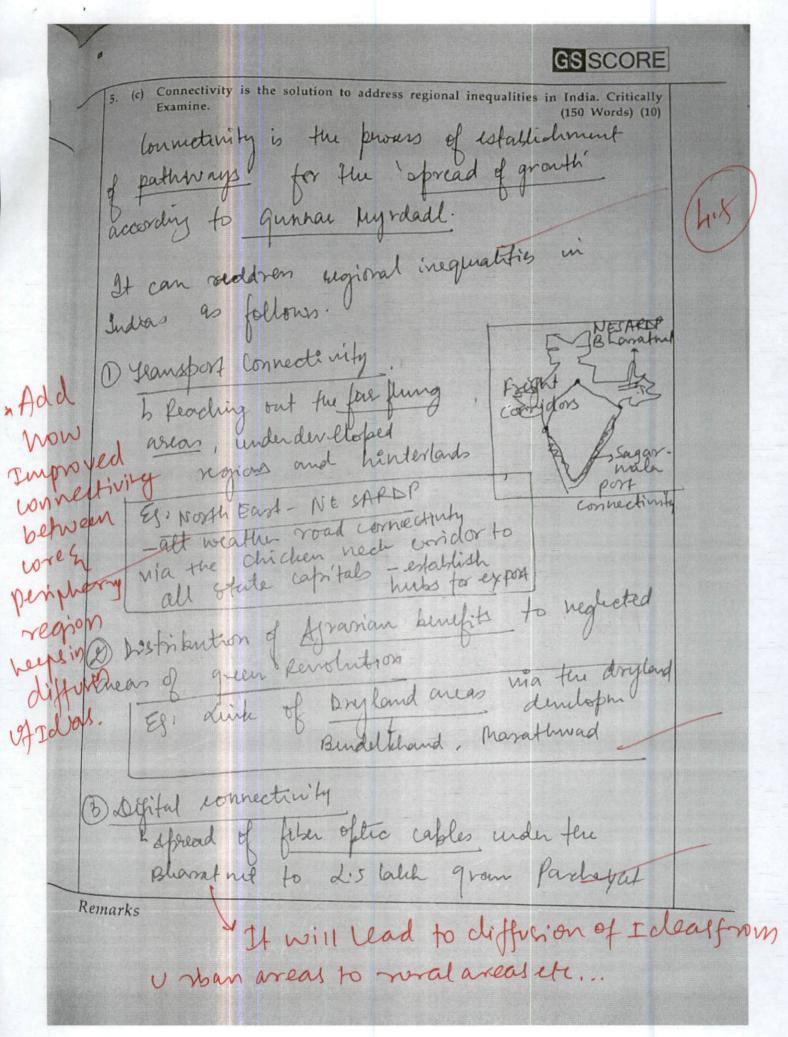
dual ferritorial section and

GS SCORE Es: Bomgalore es Local culture of Malnad cuinine

b Impacted by Rise of North

heatern culture ludian foods-Litti chookla

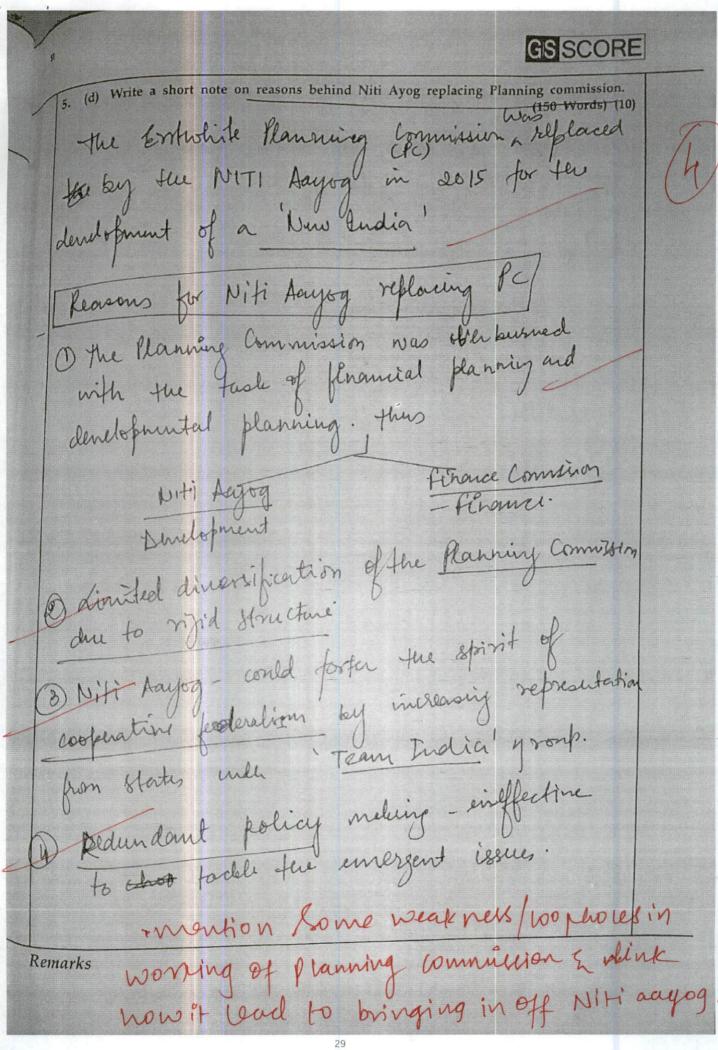
of MacDraligation 1) The presume of tribal groups leads to culture by Dorpia Woods Lair the demographic patterns interact with the development of the Cultural Landscape as during they can't Sauer a you seem to have written a bit of confusing answer, preale try to decode the gulltion in wront manner. try to answer webval divenity-)food, how food contuning pattern is defermined by demographic patterns ie youth * falt food continuesion Remarks old-more fows on to cal verily write on her parameters.



GS SCORE to address listen Rual digital triban Rual digital triban Rual mearly only by the thousand household household household household household household household household to derulop tig: Internet. les capacity of local namefacturing and lessons industry to avail fue benefits of avail granth Eg: or of cluster development Along with this, in the post modern era social connectivity by Briding Bridging
Linling and Bonding is issential for fostering social capital (Robert Pulman's view) 4 Allo bring in some dimentions like now road dentity, raiway connectivity helps in determining development of a

Remarks

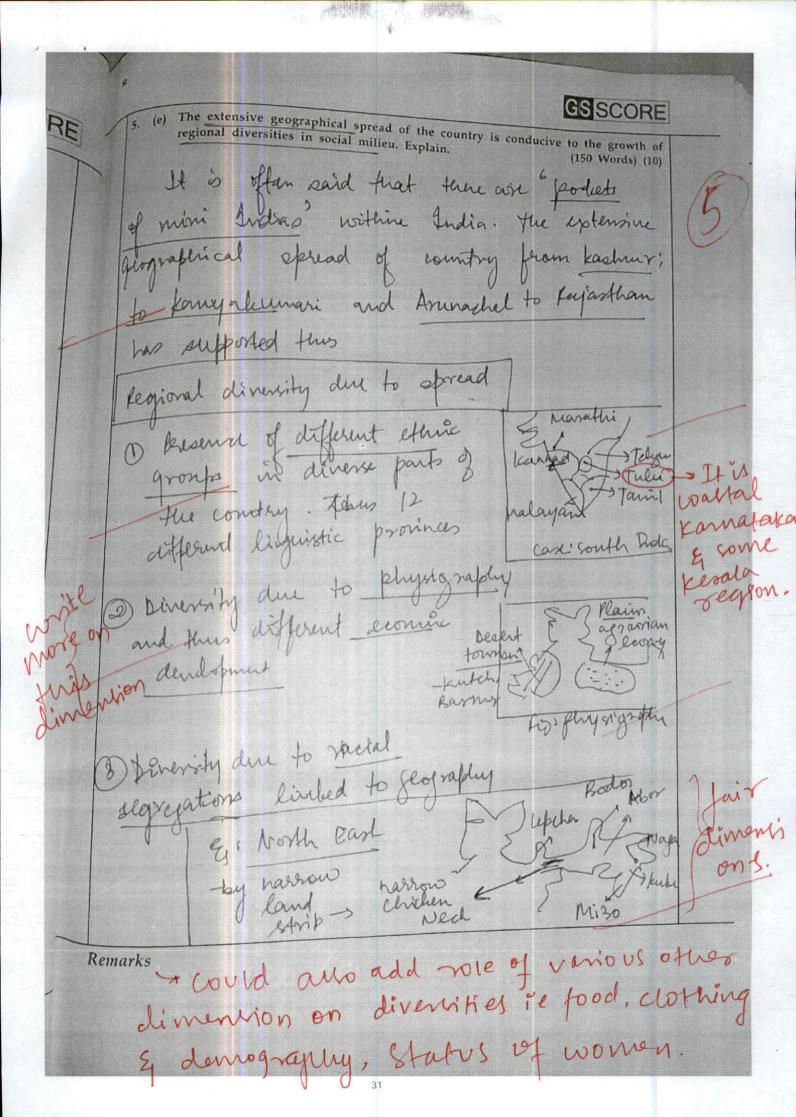
region.



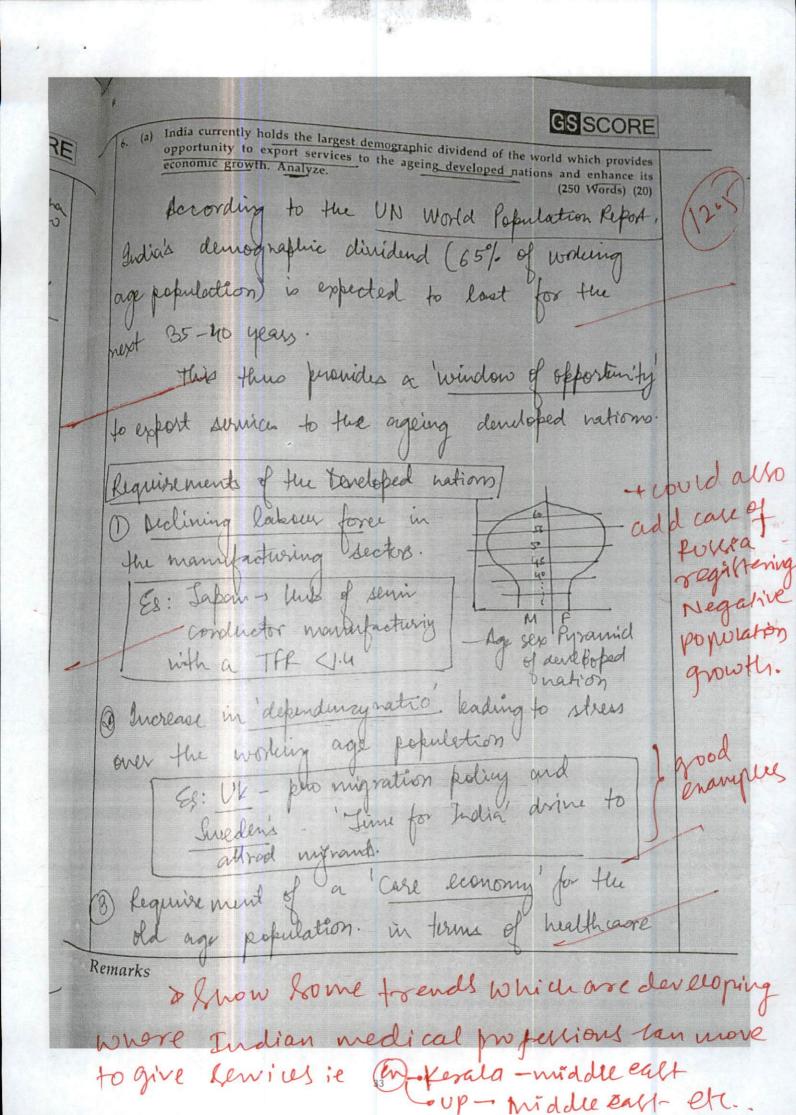
GS SCORE

B since the idea of Five Year Plans
has done away with, It was essential
to have a new Think Tank' for India.

Niti Aayog has helped in
inotratine development models by
competitive and collobarrative federalism in
this New Irdia.



(1) Geographical spread determines on the direct thus shaping culture (Environ mutal determinism of Ellen sunth thus the seographical spread differs the authral dinenty of tradia. It is willy gruted as 'kos-kos par pami badle, Char kos par Bani' (the water charges at every mik and then the language) Remarks



Sector - medicines, nursing etc.

Ego Japan June bank scheme - afdys the

young population for the hours served to Old Digh medicine demand during COVID.
by the Western 'aged' navirons. To utilise this opportunity undow, RBI and NITI Aayog have collectively advised a road map. The steps can be as follows -O Investing in training & skilling | Louish of collaborative Stilling mission But the market requirems. with Infan- luch The Mckinsuy Report - only 40%.
of graduates - employable Mil India. Developing partnerships and free trade agreements for the export of services Es: Ind-Mustralia- ECTA deal concre sijnificant labour. 3 Development of medical and healthcare sector.

Somices title medical tourism and

* write

Med

various

trade

blo UKS

Toining

which

Can verp

India

get more

levorage

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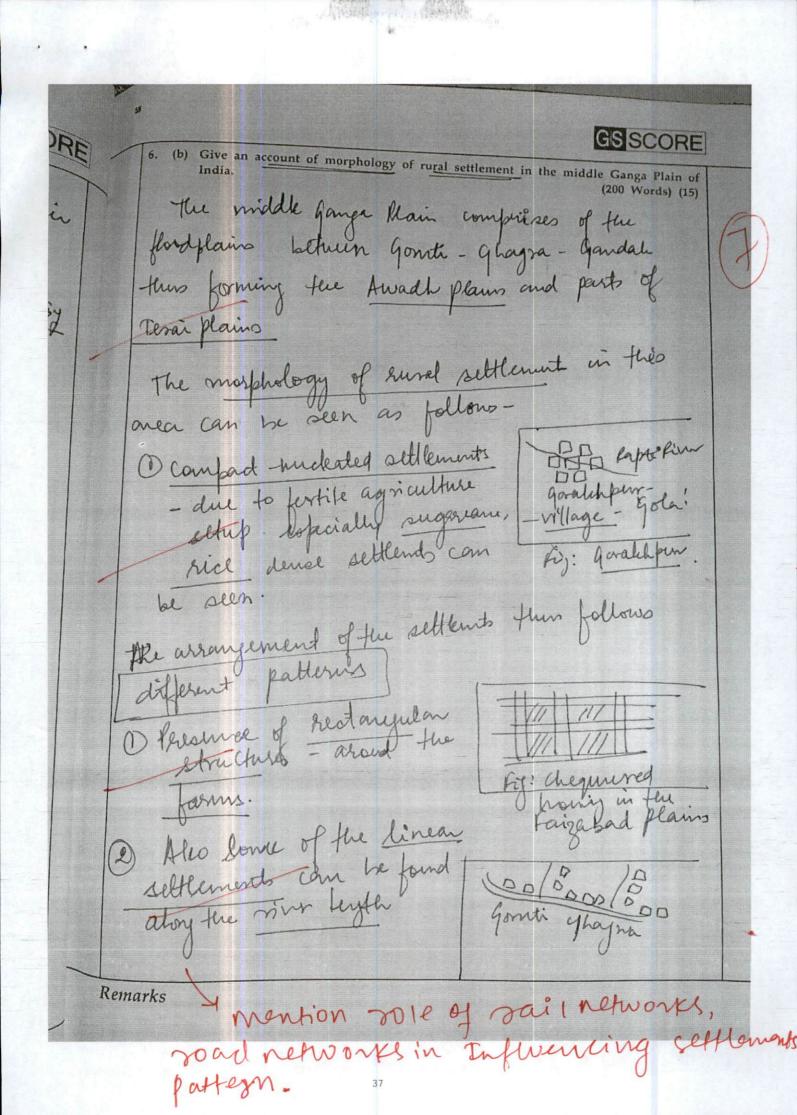
RE manufacturing of bull drugs under the production **GS SCORE** linked incentive schemes can help. Egic Attairalchand and Minanchal (Baddl) Jampagar. centre for Traditional medicine 1 focussing on providing nuntal Export of the apod and payalosocial healthcare for gnamply 'MANAS' app the old aged potential via services to coutries the inter het medium This will intural help in the exmons growth D'Already one of highest recepient of remittances, which will further increase. @ Importus to the global trade share in the Service sector. 3 Domestic special economic zones for the medical parter Eg: European union investment in bangalore medicion pank. (an lead to higher first growth as the developed courties tome higher property to invest Remarks

GS SCORE

however, care must be falun to within maintain the demographic balance, within India also. this window of opportunity also has to knost the clomestic manufacturity sector. Thus careful planning of mignation is needed.

+ Auro mention how this will also create brain drain in long roug

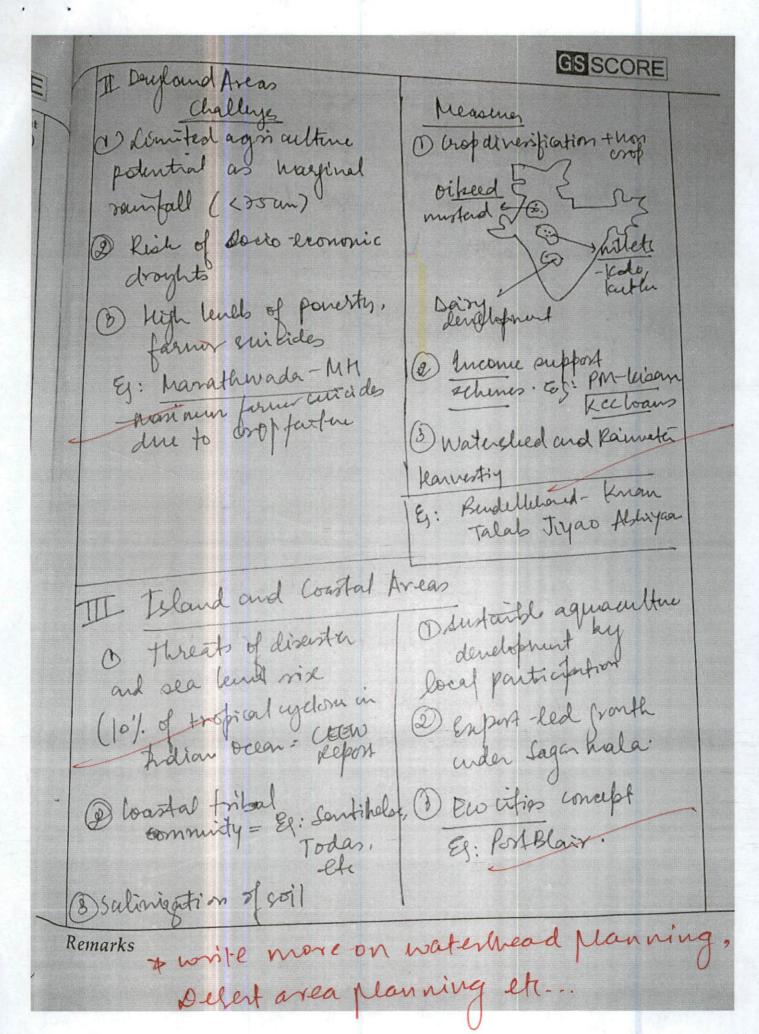
how this is to be coped up in India



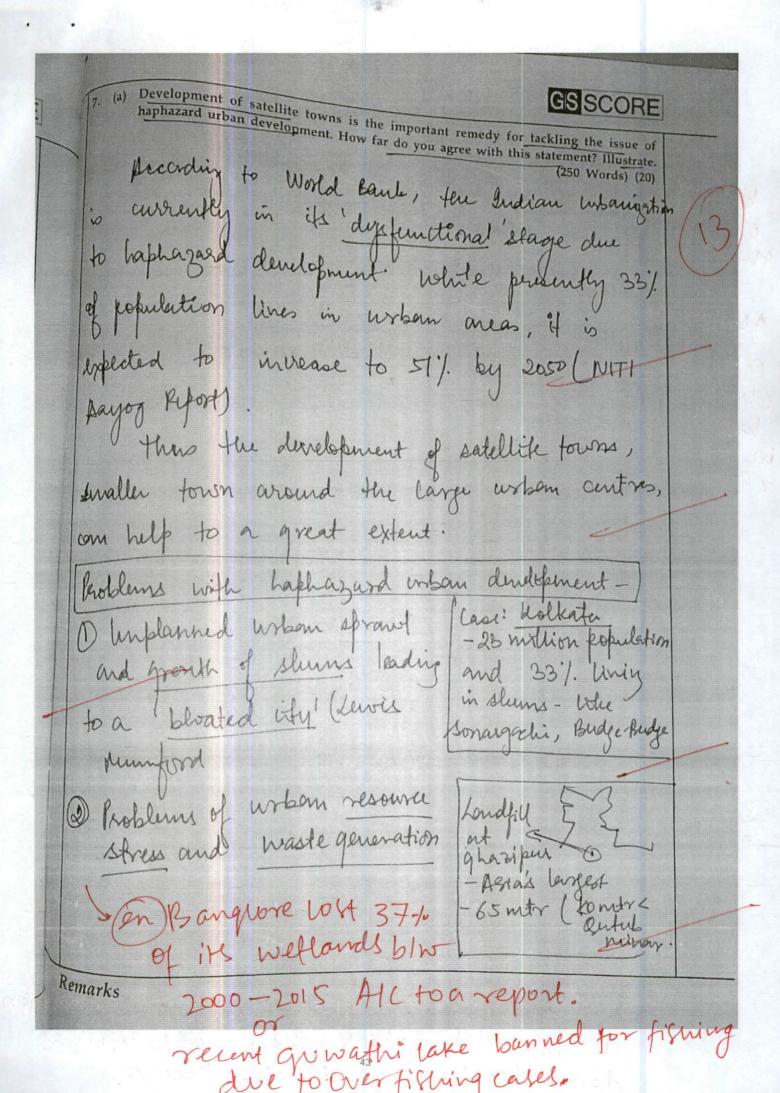
GS SCOR the material for construction 1 Due to abundant amailability of building materials the cenent , send, dayey loams the house one of these materials. (untile ter Baliboo houses of villages in Assam) D'the renal settlements are perone to flooding Impact of dimate on settlements due to anteceded sivers in of fapti river tuir nature stage. Hence inforallepen in The presure of raised plinth 2000 - lasing of can be seen. oa Supered of economy and changins due to D with the expansion of localised numbering in the onea and MIGHTE sections, mini choose one also formed in smal areas. ES: list of fertilizer pland lusary centre -town Hall, Park Road Remarks

GS SCORE @ emporet of myration - Asser UP is (P) (98) ne of the layer necepied of remotioner, inproved standards of living have led to changes in settlemb leading Est Barabarhi to gerdification Rural settleries have chazed with the development et is however also issential to Climate Proof flew " " Mso mention how some of government Schemes have attered rural Settlement Pattern & under Indira awas yoj ona wood bettlemont have been divided into two settlements il old & New Cettlements. & Allo mention note of religious place or goral hast in wal settlements, specik on Social Regregation etc... Remarks

Jones



GSSCORE Prilal Areas I Usben Areas 1 Land alienation Challyes O Sprawl and (XaXa PepirA = 80). dependence on land) (2) listem disasters D low human denloping sol" - Tandrshed Sol -> Smart city approach, eco-atis for forbal development Every region must focus on socially relevant development models which balance tue reomic viability and emiron newtal sustainability * you have written a good answer prowing wallenges faced & mealones taken approach, keepit up. Remarks



B Conflict and crimes due to competition for the good John as labour migration (dewlo Roun theory)
winging Eg: Boungalore - Burning of hindi sighboards. GS SCORE Runbari Es Delse of wohan disaster due Joden rainfall in 24hr Albunghiodo usban heat done and -duet conjection of Storm of sevendrain vising concetization Usua borst thus development of borst can help in the following region D'Act as centres of courter mignation of and develop as local growth poles supporting main belli Glorgialad Gwigagh Neight I Jayon II Fy: Inner of catelle D'Ease fue pressure on unban outer ate green spaces by providing les-cities' around metro refies: metro estiss:

Numberi - 66% decline in forest in 204x

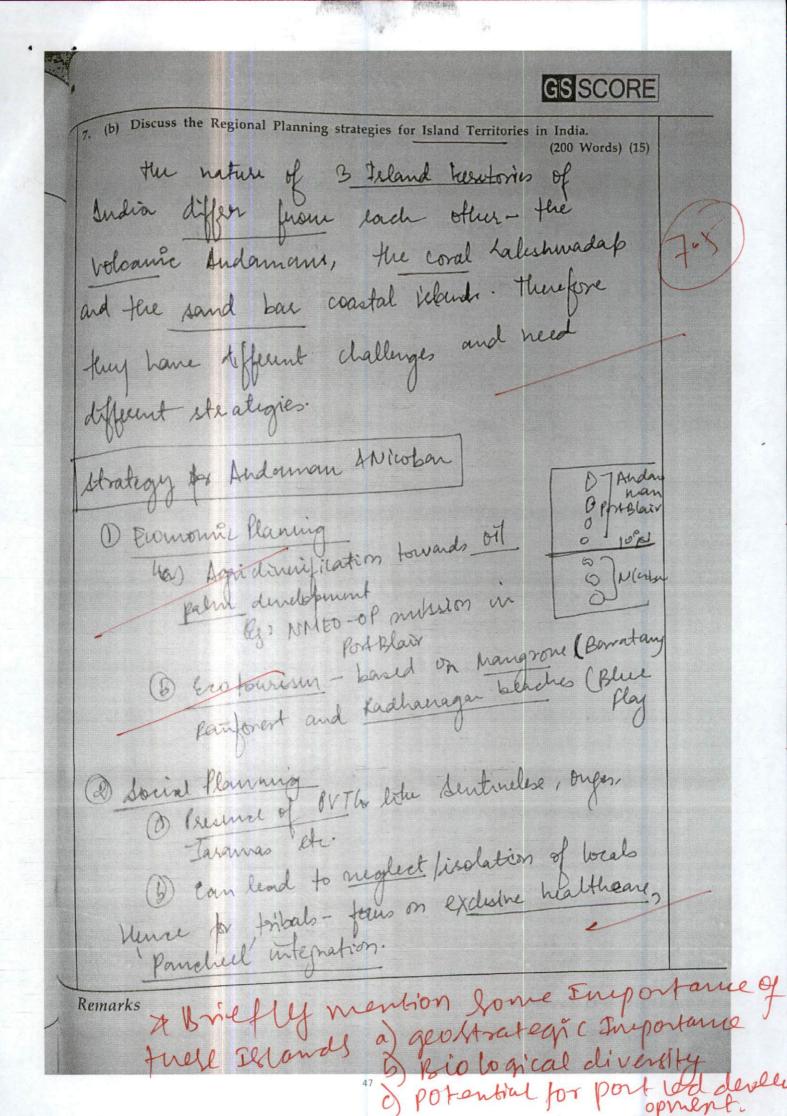
Es: - can be supported - [karjat. 'Thane'. Nami

'Green infra' of Numberi 3 these satellist fowns' can develop as communiter + It height in Step-by- step migration or provides intervening opportunities as demanded by flavenilteins theory.

GS SCORE Towns' and permide for high density residential mes jes, greater Noida-housing groups like tam sportwood, holitas Plumina etc along feiguray route. however, this will not solve the problem completely. Hire can be happindes to the development of satellife towns. O these tenons can in the due course of time develop into equally larger and conjusted Eg. Chaziabad - once a satellife town, now } gran
itself faces water crisis. Denutines their relation with the main Woban andre 'can turn into 'parasitic' (cone periphery model of friedman) Eg: the trageoly of seansol, chritaranjan in good 3) New towns will require futtur land clearance thereby reducing the green coner. Remarks

GS SCORE

Often administratively mis managed and can turn into clumpeits of ther I town waste the Sætellite town can be a panacea for the problem only when there are profer 'gronth channels'. Also, redevelopment of the already congested mean is needed to maintain the sustainability of this 7 you have written good answer, with enamples Justifying your orquement keep it up.

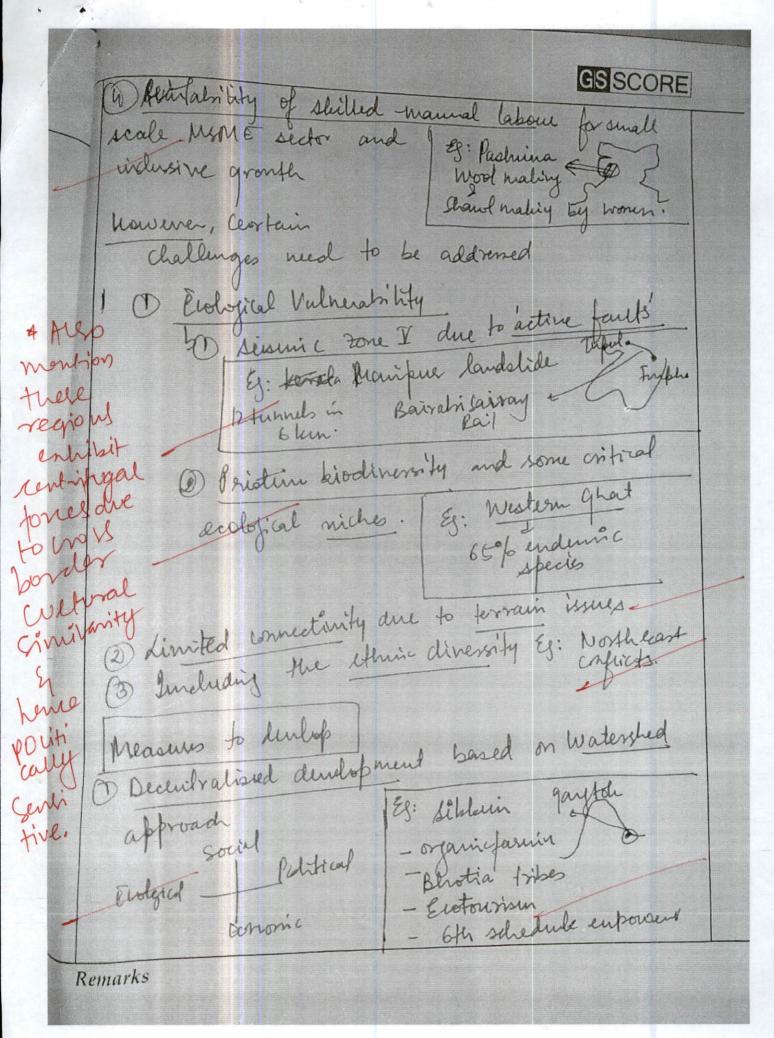


of these Islands as these entends IndGSSCORE Environmental Planning

4 Conservation of the Leather back Nesting of

Sites, and spristine any Fearme 200 km. Go: the latest NITI Dayog Plan com lend to submissere good hen' of area (a) dink to louth East Asia was 10 8 (d) heoskategic significance B) Prisernte naval / aux force / army command Shategy for labshmadues Emyron mad Social Econonic Hanny Planny Planning Ococonut O Kegulation 1 Uklication flantation of Shipping (00% literay and MISME rate for pollution sector of dehusling, Service sector dender coi industry Green Voyage (2) facilities Missim and D'Arrial connect for to brochi post for of thuman globilter 1 capital horzortal winty Partneship dentificat by slilling under (3) Coral townsin uardal Vikas Remarks

GS SCORE strategy for land gar bland O sustauble aquaculture and . fishery in line with WTO principles. @ Enport marlet with Browning cluster at Post under sagarmalo. Island Development has to be evolyrally sustainable as they face the risk the submerjen by 2100 as per the Tree Report. Ocean & Conjusphere. * USE houistic development of thand program as a Step in right direction. Remarks



GS SCORE Description zones (ESZ) (fasturi rangam Construction Easting aeron the paper of Augustines

Swift rives (3) Slike Stabilisation by afforestation and tempery structure of stone pitching, wine nettrig titly mea development should have Evo-sensifine development. The an element of Indo- german partnership con leo-cities can