

IAS TOPPER'S TEST COPY

RISHENDRA SINGH

AIR 113 CSE 2023 GEOGRAPHY





SCOR

Geography Test Series 2023

TEST - 05

GEOGRAPHY

Time Allowed: 3 Hrs.

Max. Marks: 250

Instructions to Candidate

- There are FIVE questions. All Questions are compulsory.
- 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 medium other than the authorized one.
- Word limit in questions, wherever specified, should be adhered to.
- Attempts of questions shall be counted in chronological order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the answer book must be clearly struck off.



1. Invigilator's Signature

2. Invigilator's Signature

Name RISHENDRA SINGH

Mobile No.

Date

Signature Dishendes



GS SCORE REMARKS how said graphing working how have have been some the said of the Horang poly by Way May It. It was said of the sai penaly lands. In overall * you did had kelong Scanned with OKEN Scanne

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Geography Test Series 2023

TEST - 05

IP BES

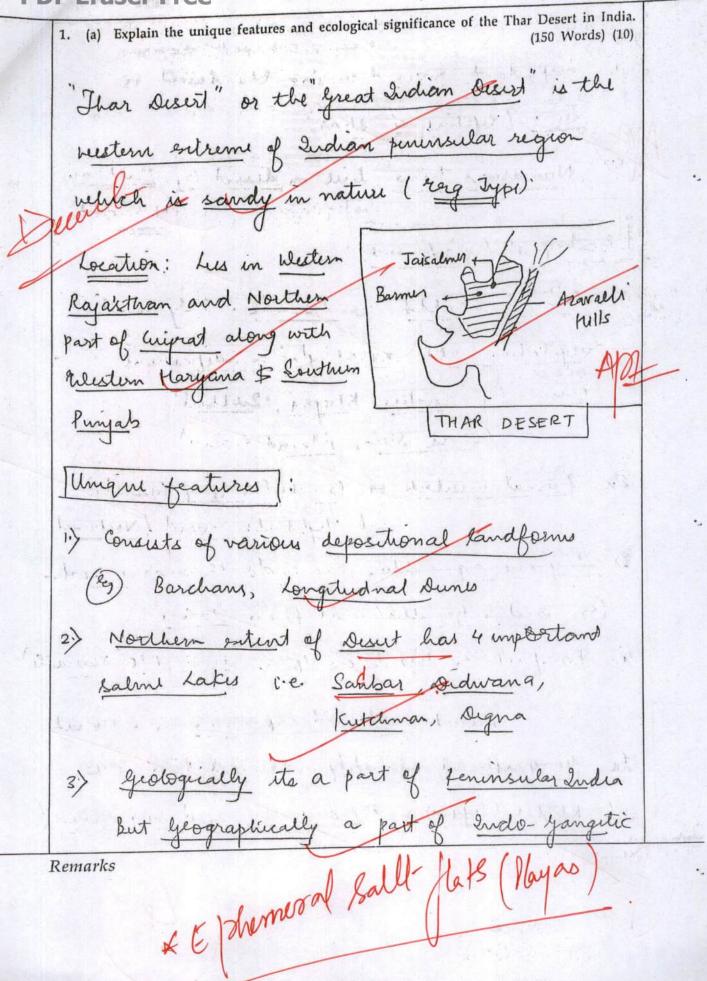
GEOGRAPHY

Max. Marks: 250 Time Allowed: 3 Hrs. 1. Write short notes on the following in about 150 words: (a) Explain the unique features and ecological significance of the Thar Desert in India. (10 Marks) (b) Discuss the role of India's geographical location in determining its diplomatic engagements (10 Marks) with neighbouring countries. (e) Discuss the role of climate change in exacerbating the frequency and intensity of floods (10 Marks) and droughts in India. (d) Discuss the role of national parks, in preserving and promoting biodiversity in India. (10 Marks) (e) Discuss the concept of energy crisis and its implications for economic development, in India. (10 Marks) 2. Attempt all the questions: (a) Evaluate the role of the Indian Ocean, Himalayan mountains, and Tibetan Plateau in influencing the behaviour of the monsoon system. (15 Marks) (b) Analyse the factors that influence the occurrence and intensity of tropical cyclones in the Bay of Bengal and the (Arabian Sea.) (g) Compare and contrast the characteristics of alluvial soils and red soils in India, including their (ertility) agricultural productivity, and distribution. (20 Marks) Attempt all the questions: (a) Compare and contrast the characteristics of the Western Ghats and the Eastern Ghats, highlighting their significance in regional development. Discuss the unique features and challenges associated with the arid and semi-arid climatic regions of India. (15 Marks) Analyse the distribution and potential of marine resources in India, including fisheries, coastal ecosystems, and offshore oil and gas reserves. (20 Marks) Write short notes on the following in about 150 words: (a) Discuss the challenges and opportunities associated with the management and conservation of soil resources in India. (10 Marks) (b) Explain the concept of watersheds and their role in the management of water resources. (10 Marks)

PDF Eta Discuss the locio-economic implications of climatic variations across different regions of (10 Marks)

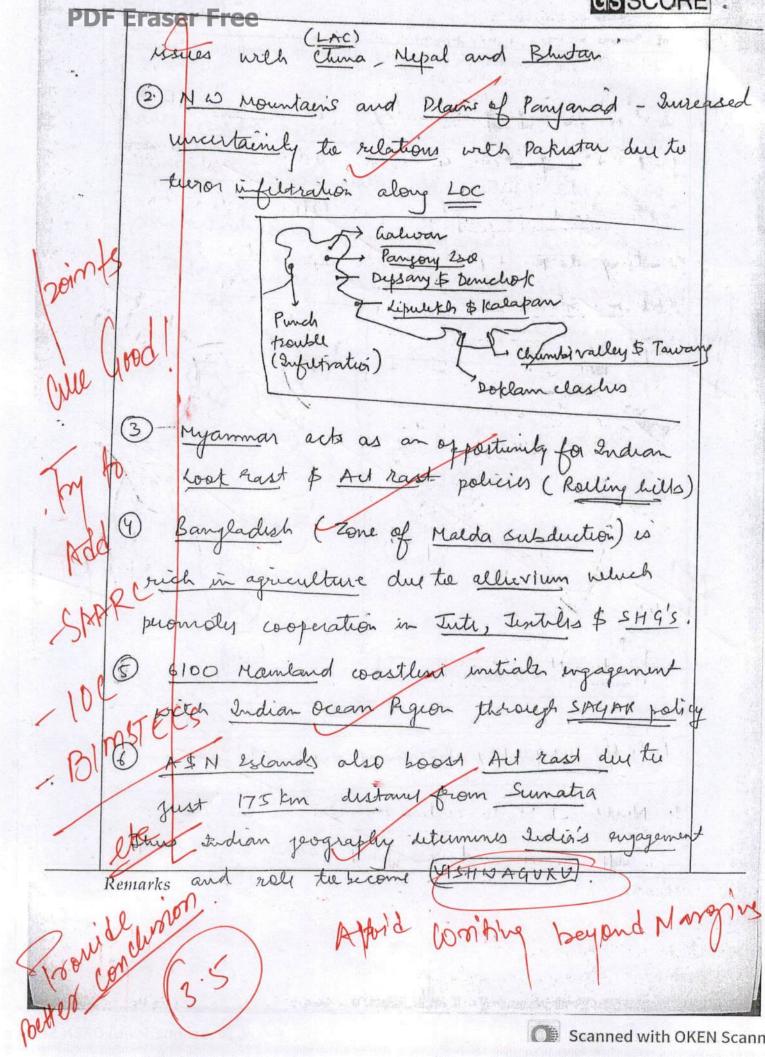
- (d) Analyse the factors influencing the formation and characteristics of different goil types in (10 Marks)
- (e) Evaluate the influence of altitude and topography on the formation of the alpine and subalpine climatic regions in India. (10 Marks)
- 5. Attempt all the questions:
 - Discuss the distribution and availability of surface and groundwater resources in different (15 Marks)
 - (b) Compare and contrast the characteristics and significance of agricultural land, forest land, and urban land in India's land resource management. (15 Marks)
 - (c) Discuss the role of monsoon forecasting and early warning systems in mitigating the socioeconomic impacts of monsoon-related disasters. (20 Marks)



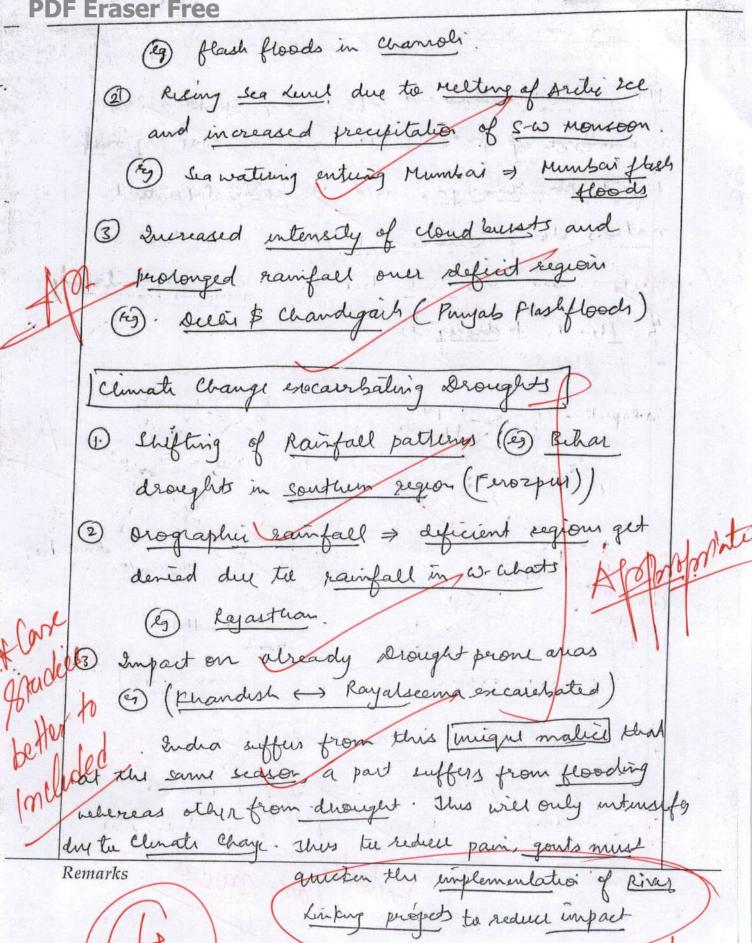


Important river draining the desert is Luni. (Kifeline of Than) Numerous tribes live in desert & Malchan (N. augrat) I heological Eigin ficaria 1. format wealth is discrete only and vegetation with xyrophytic modifications occur. (5) Cartus, Kliegeri, Bulbul. (Iluick Stein, Absent Leaves) found wealth > family (ship of Destor and Mightiff vivid Hoctumal Dryzone agricultan proceeds through irrigation (4) Endua gandlis Caval from Hanks Rainfall is less than your (facallel to seavally) Recent rastward enpansion is a streat geographical stability. Mineral Rich zones of Khetri (Copper) and Mangaruse need mor research

(b) Discuss the role of India's geographical location in determining its diplomatic (150 Words) (10) engagements with neighbouring countries. India is a geographically vivid nation which the feature of larger Indian Eulocontinent Such vivid geography (figt) helps India in deeper diplomation theal unewarmy Bayladish sukanta Maldivis Indian Neighbours Cooperation Indian Issues Role of acography determing deplomatic engagements 1. Norther & Mouth rastur Mountain Buffy romes and frequent dashes our land Remarks



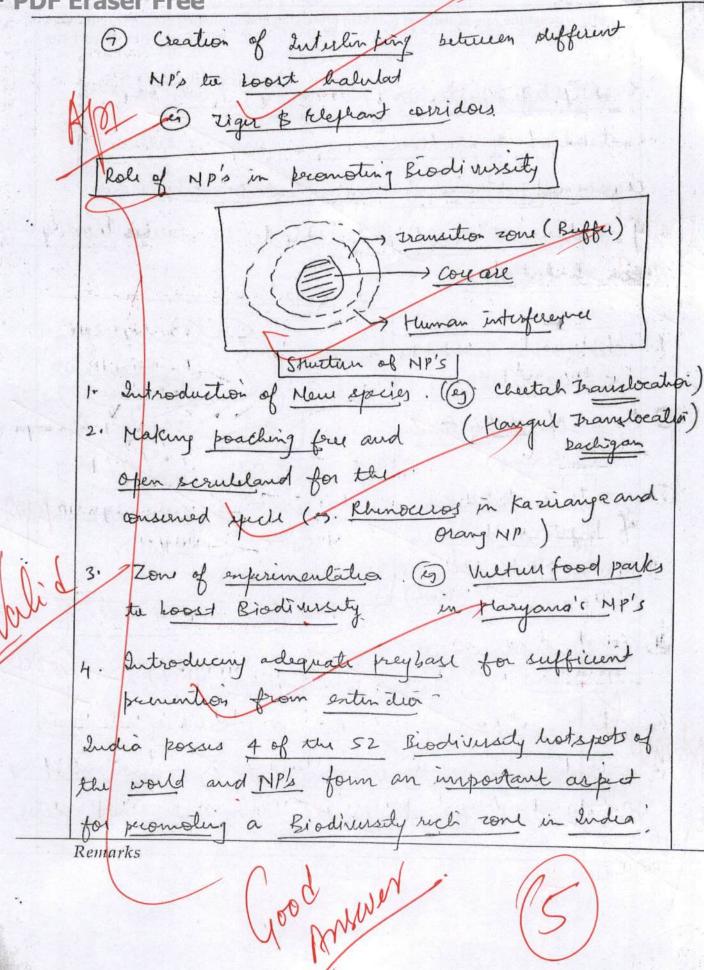
1. (c) Discuss the role of climate change in exacerbating the frequency and intensity of floods and droughts in India. IPCC's 6th Assessment Report highlights that any breach of 1.5°C will have inmense re impacts on thinalyan and monsoon defendent nations along ocean intents. India, tore under the risk due to mereasing witains floods & droughts Punjab w. Rapustion Crahmaputer (Keranderh Krisha andaren delta (Basalt Rigion) FLOOD PRONE IRONE DROUGHT climate influence on floods. Increasing mouture holding of air paral intense hamfall of short periods ndude Pare Studies Remarks



Avoid

1. (d) Discuss the role of national parks, in preserving and promoting biodiversity in India. (150 Words) (10) wildliff protection Act -1972 leads to the creation of protected areas, among which most stringent applied on Mational parks du te their siodiusty Role of NP in Preserving 1) A zone of no human of keystone spines Important NP's of India 1) Reinstroduct neut (Chedat in Kuns Palper NP (MP) 4000 Preservation of real original habitat of the species the rone ogriculture free and increase at found divisity along with floral species Remarks

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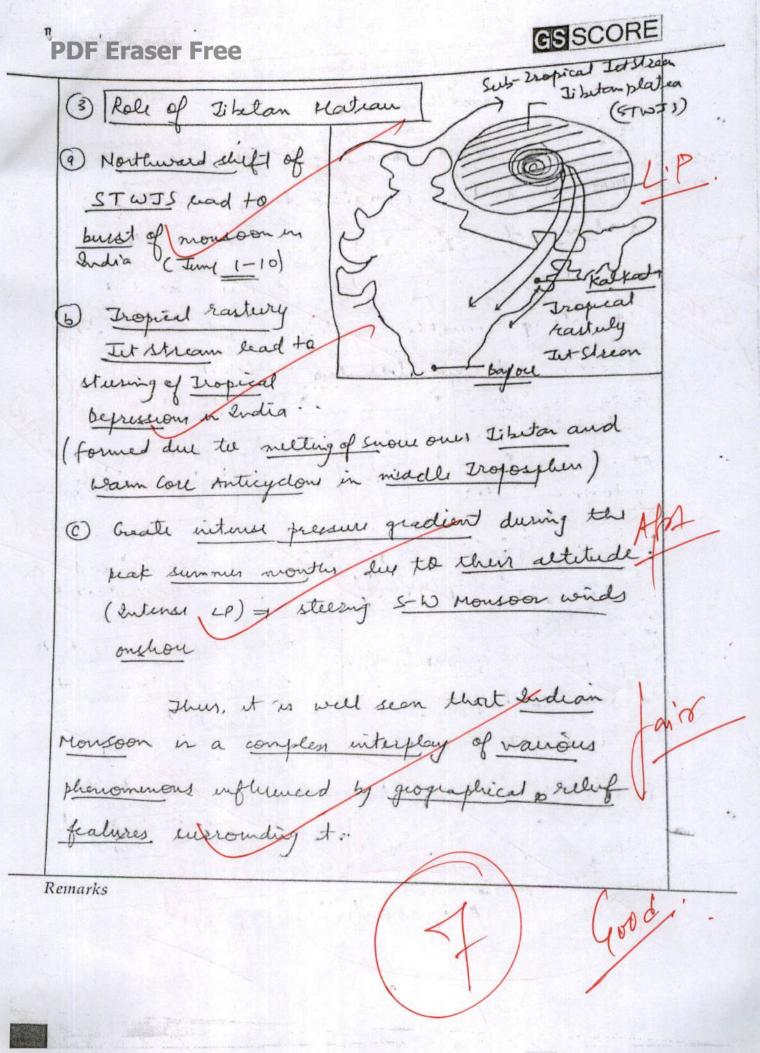
PDF Eraşer Free

GS SCORE 1. (e) Discuss the concept of energy crisis and its implications for economic development, (150 Words) (10) hnergy orisis is said to occur when the demand for the energy experient for exceeds supply from National Grid [Case Study:] India's coal deficiency Coal during last monsoon highlylited Andia's precarious situation when was left with 20 months storage (9x) Hydra (1: Amergy Syranics (Concept of Energy) 1. Encessine dependent 3. Mascent stage of one (one) source of other mugy resources energy (loal) (9) Solar, wind & 2. high dependent on Mini pourplants import rather self (Hylrid & Coproduction) \$ 924-oui 4. Encessive short period imported) of demand highlights the crisis (and perpetuates #) Remarks

PDF Eraser Free Implications for economic Development in Endin Agricultural Backwardness - Collapse, as 79%. of irrigation facilities are toosled by grid based on coal pones plants (Themal plants) Industrial Laggardness - since energy forms the kuilding bloc of tuduster of & Manufacturing development. (2) 25% contribution would downgrad to 12% du to Livingy Crisic (IEA) 3 Sirving sector would totally collapse du tie 100 %. defenden on electricity 4. Enacebate Lutal- Urban divide - Leval electrification miss would impact social wliftment tou ander divide would increase (Women - buildened for traditional source) (9) firewood Intertuis for development of Geothernal Whit OTEC, wome, Themal plants (Riogar) should he priomoted. Irreasing PSD to 27. (global ang) from werent 0.6%. (meager) would be a slep forward in Right duestion Remarks 4.5 Graya

2. (a) Evaluate the role of the Indian Ocean, Himalayan mountains, and Tibetan Plateau in influencing the behaviour of the monsoon system. basonal reursal of winds i.e. Monsoon welnot North-rart in Swamers & South West in Shamers is largely depended upon 3 basic geographical features de Indian Ocean, Hundlyas Of Titalan plateau 1 Rol of Judian Ocean in Mousoon Indian ocean @ Create pressur quedient due the high sperific heat capacity of water cut wale land. ocean => LP in Winter Mostan for +1 (MS-E WIND) TICO Prissur Charges ~ Sup winds having high padagasear martin teddy capacity Presence of tolands in oceans leads to intensification LP (cold Warm are yelond) and HP (cold coll Remarks

Leads the formation of tropical yelons & supression which injuds the even distribution in central & buist after long breaks in mouson (9) Recent Bipaijoy > led to accumulation of Mouster Ladon winds along west ward & then sudden bust after desigation (2) I hale of Himalyan Mountains in Monsoon (a) Trap the Sub naud) Westury I'd Stream and hault the monsoon burst. die 5) podent cold powdiey fonds from N-E Asia tu uter India (N-E Mousoon) @ posts the trail of Monsoon trough along its shoolik elges o seading to immense Ranfall floods in how & alagra Souther Trail dys in the tropical depressions Remarks (trough Liver mouth)



to a Cob Dam love

Antiquome at top)

GS SCORE feeent changes in occurrence & Intensity 1. Increased warming of Indian ocean du tu change ("alobal BOILING"- Antonio) the Positive TOD empacting the monsoonal intensity more Leading to increase in frequency & Intensity of Maleian Sea Cyclone-Bay of Beyel raturally could due tu falling Gearten Rivers of Ended (ass sea surface temperature) Combination of alobal warning - retting of Ice Caps - tuerased Kiver flow causing changes in Cyclonic phenomenon cyclones forms an important climatic went in India causing house via sea surge gusty winds and flodding in wastal and Flodifical Which as Istrapods for presention & sata gathering wa Remarks (NISAR) should create Mitigation & Adaptato

2. (c) Compare and contrast the characteristics of alluvial soils and red soils in India, including their fertility, agricultural productivity, and distribution. (250 Words) (20) Indian Soils form a lifeline for the agricultifully based Indian economic set up. 2 of the most dominant soil in India are Alluvial Soil Red Soils (Histosols) reluch impact Indian lifestyle Occurence Purjalo-Hanpua blan Chattisgail - Than Coasta allenium Mahanadi deltaic chathigach Krishus- Godavar. Rayalscens Red deetaic alluin TO Allevialson Country Settaic allevim 5 Bled Soul Red Soul TN Remarks 2012 On distribution

	COCONE
PDF Enaser Free	Red Soil
MD Toccurence: 1 3 types of allural soil	Occurens:
m 3 types of alluvial soil	1. Mostly found along the
· Rivering Alliuxium	edges of ferinsular platear
Whadan Deltoic Alluvium	and along chaltergarh.
Bounday	Thatkhand- Odeska tetjulio
Postabar 2. Most feeled soil of India couring about	2. Comes about 137. of
India couring about	
4st of area	total area with letter Marken
characteris:	
3. Mutrients: Rich in pota	of Mutrients; Rich in
Marphorous & poor in	From and Alluvium
blosphorous. Nutroger	(sesquionides) unipart
humus \$ organic marter	Trid colour tu the
is four.	spread · loor in
How obaracterster lighter	it hunner, Mitroger and
colour due tee nearly	Phosphorous
. Alt embryone soil	
To feelilety :	firtility:
Remarks	

spread in characterstic two components

- · khadar fertilisgel
- · Bhangar party feetile

Khadar has new. alluvium deposition & contains fresh set f clay whereas sharpar is old alluv)un with calcarrais nodules.

Agricultural productivity

- 1. Most cultivated soil in Judia
- 2. Sild rich Norther allumin is suited for religat custivation where loom rich souther Sandy soil is intensively put to paddy cultivalia

Red Soils are poor in fortility due tu bases leaching down with soil water. (Sicilization)

But application of Limit can boost the feetily of soil;

These soils along the Limestone ruch margins of Iwarkhand are intensely fertil ..

Agricultural Productionth

- 1. Third most cultivates (after alluvial & Block)
- · 2. Cachem is cultivated along Southern margins du to salente & Red Soil mining mear Layabeema region

3. Other auticaled species (are - Maize, ruelists

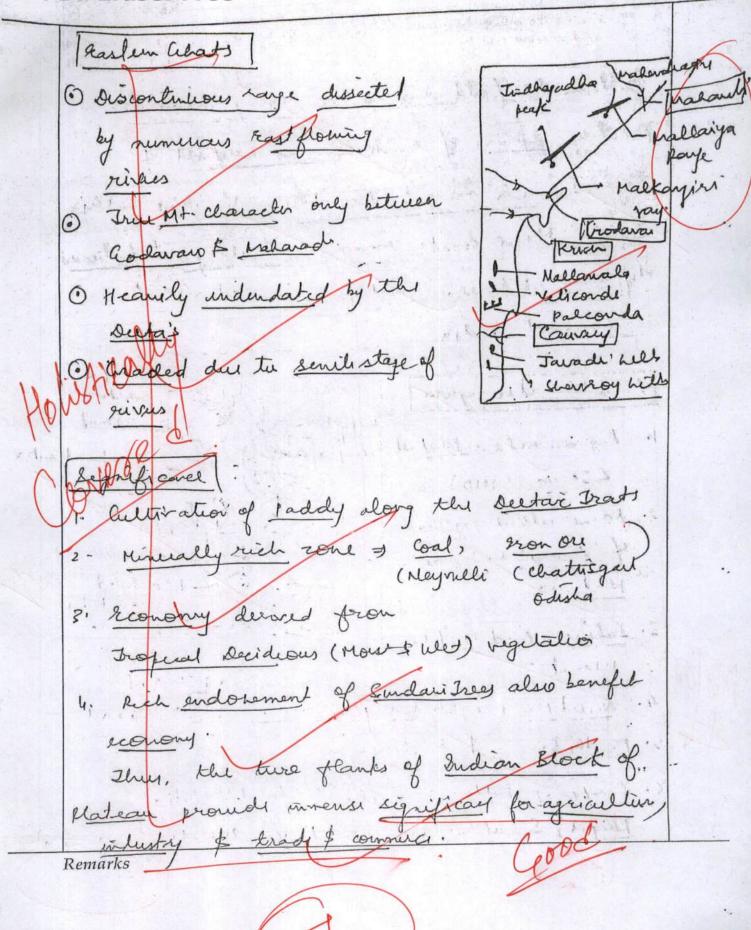
Remarks

Apparo porsale,

of wees: PDF Eraser Free : This soils are used These soils are nostly for house base natural used for construction & Add along Morthen plans funfoses. du to their alsorling Bricks and walls of red brick ar used in Nou a & settling capability maharashtig's North (Bushampu Threat the soils of Indea (Alluvial Sout) (fed Soul) application Put to excessive cultivation · Use of Moning clone use of firtilisers the Morther Marganorequired peromole yill monylis Practice of monocropping of Jayalseema. reducing nutrients · use of fertilizers Soch Mining in Morta UP to mireas medius rocessin dependence on Endia's soil could be deletimous for longer productur croppy seaso reforts like organic farming & Zero Budgetted Natural farmy slowed be promothed the allow of Remarks the region to its original foliabile.

3. (a) Compare and contrast the characteristics of the Western Ghats and the Eastern Ghats, highlighting their significance in regional development. (200 Words) (15) Life is the special will Indian fenusular plateau in flanked two different structured mounts hill ranges with relief features along the western and shadowing Irdia from Arabian Sea margins & Bay of Benjal. Indian GHATS * | heisten abat | rasten @ setuated between Japi River what in North & Cardaman Hills World in South. WESTERN 9HATS O general orientation is the height increases while moring South Polghan 1 Ang height = (600 > 700mtr) Mahabaluhwas peals paso 1 Narrow in North & South Kanballigha and) pass But wide in the middle Redremukh Nilgholis · Numerous short neigh Palam Julis Pallata Amendoi flowing river friguet from these ball ranges Shoncottah 6 Carlaign Hills pass Remarks

GIS SCORE Or conditione mes hill range broken only in middle rear hos wehere its height reduces North about - Maharastora (flad to) Middle what - Goa Souther about & toutremy engged 1 Broken by numerous gaps & passes Significan in regional Development (450m) Bhandala grographic Birier > Interes Rainful 1 pun/ 10 cm) along the ghats weate tropical Munisau mugren fourt (200 W) 2. Recovery dependent on trade Rainfell along Rhan (Goa - Makadayi Rivin) Munupus water guzzling cropping pattens occupillatory mester margins of muster ghats Laterite sail present used for sick making Menorous, Brodinesily hotspot zones occur in western Chats (bori Cibat, Milgiri, Selent Vally) Famal & Floral wealth is preventor = (-6% area we 30% biodi vusul Kasturiyan Country or w- what



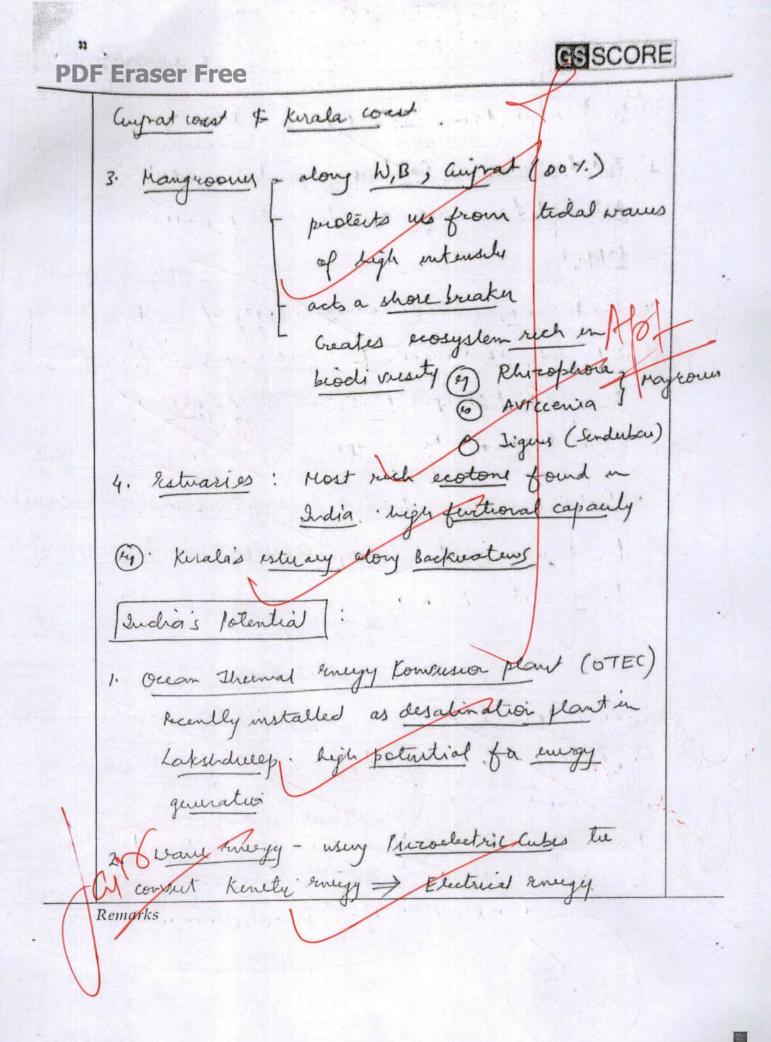
EBASE Discuss the unique features and challenges associated with the arid and semi-arid (200 Words) (15) Indian Rainfall regime is highly variable creating regions of both inmens raifall pregeous with meaged downpour. light, there exists womens challinges & featural and I senis and climate regions of high Acid Climatic Regions Ladakh pladear Regions when Kanfell Haryana Thaychard Conter 130 am (IMD) 2. Kanishadow region Arawalli, Ladjakh Cumpol Khardigh & 3. Salfre, And Soil is wesent. M Arid Desert prone with draught maxing's Mostly Barron & treeless :- Cactus (Matural Vegetalia)

Sem-arid Climatic Regions Situaled on the Margins of Arid Region Leheil lamfall - (50-30 cm) 2. Breas include margins of Rayartha (Argueti)
Morth Cuiprat & Souther Mayors, And area on Ladaka UT, Bendekhard, Central Thankard
Cumool & Raydseens & Khandish Platean 3. Red Soil & Arid Soils is prominent 4. Ravanes are created by virtical deepening by River. (9) Chambal Ravine (4) Mathankot Ravire. 5. Patches of Red Soil are rich author of , other crops we (Red Soit du tu fe corton) lagi along highat plains. recommendly poor region: Challeyes associated with Such Pyriges Dunt pron - reteriological drought has Remarks

recurrent phonomonon frequent outbruk of diseases buch as Cholera & searchoer du tu voter availability found directly is bare menening Livestock suffer from dies Like Lungy Skir Disease & Spricar flu Water availability is low duy the less tranfall (aroundwater defletion occurd) shifting Sand Duny is agrocological dayer st act as Case Study for future (Sirchi dolt Creation Enrigation tolerlia (resten (grat) way forward) Application of Limi + Proper rebabilitation roadings River Luterlinking to water soutable micro climaty Thus, These region possess senious challengs of Sumival but adequate intervention can Remarks to potential for sustainable

3. (c) Analyse the distribution and potential of marine resources in India, including fisheries, (250 Words) (20) Septem coastal ecosystems, and offshore oil and gas reserves. India is richly indoned with 7516.6 km length of coastline with website comes immouse concert India's potential the defect into surplus? Marine Resources : (BIOTIC) Marine production Sea weed autiration along TN coast and WB wast (Hooghly) 2. Fish Lesources Lobsters & Prawens for India - along Gog & Kamataka ivusie recourses ford Fisheries, Crales, France, algar, Signered, States Remarks

energy Esources along Coast E 1 Oil & Cras Resources 80% oil & gas (offenore) Kordle . Is derived from mundai Coar 16.1. from Kandla Source region Muse ENERGY RESOURCE Rnegy Hant -@ Camboy Coast - @ Muse point (Micotar) Thiruv avantha puron reosystem kesources mostly present along act as sink of ences water also along Andhra Fradesh was Todal Creeks and Morshes along Suderbans Remarks



er aree Dwelve upon - Virlingham plant (Kirale) 3. Tidal rougy: lambay constitutes 2000MD polential for energy generalies. Only 100 MW 15 I haved energy - Conten wors supply of wind luge polential for freetroisers surface, face
with tapping into general hours inform of ME Mouson & S-W Mouson wealt 5. Beotic energy generalis - usay marine algal \$ cord generation (using Biorock technique) to generale fishe resources in huge quantity Presource potential in Indian coast. As Zimmesur (80) spide " Resources and and in the second of t Seemingly, there exists shugh Resourcefulrers? They seement dearth of Resourcefulners? They adequate investment in R\$D should achieve the "Panchpran" of PM, and
Remarks derive potential of "BLUE ECONOMY". g.5)

4. (a) Discuss the challenges and opportunities associated with the management and conservation of soil resources in India. (150 Words) (10) gsRo's) space assisement centre (SAC)'s report recently highlighted the increasing rate of soil degradation tal soil is deteriorate nclude a on desor Challenges with mangment & couse Increasing rate of base crosion, encussion translocation (due to irrigation) Agriculture making soil deplite of nutrients Monocultum practices (Raddy wheat eyels) in alternation to sound composition of soil in India our space tough for one size fut all aproach the sou (racessure determonation Livestock debasing 6. Increased acidity (H+10ms) - firtilizer used

Remarks

Soil form an important component of India's agricultural ecosystem. Ils punention and management bruge vanous opportunities Opportunities ! Agriculty ral sustainability byild laborated

> hoursed productivity & yilld -> Raising farmers income Shadakumar committe (louble by 2022) + Role of FPI's will be India's FOREX would get push. 40-1- of forex comprises of agricultur & allied peroducts - Livistock yiel would wirian (setter fodder) Best commuting wathland the agricultural are railies Using ZBVF (Subhash Parkasi feeling)

Soil consumation in an important components

Soil consumation in an important components SDG-15- lift on land. Thus its consumation is imp.

Remarks

Remarks 4. (b) Explain the concept of watersheds and their role in the management of water resources. (150 Words) (10) tetal collection area of a that it eather from DALESTHED Ceater concept of Watershed Catchman ared auantifiable increase in Scatisfies the med of the locally runoff the mainstream eaged role in micro-clinatic voriation component water resources

Helps in availability of water during Lean season (Ly Luni valeshed feeds Siroli district (Roli plans 2. Irvents excess runoff - shock absorber Haryang's watershed acted as a sink during floods (Yamung) 3. Irreased groundwater availability. 4. Demand of irrigation from electric resources 5. Helps significantly in altering the micro-climate Threats hold activitied -> Regular precipitation

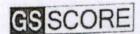
Threats hold

Acrey votabled -> whereased frequency of a consequence of the contract of the du the nutro parking realising OM de trails Times presuming & protecting watershed through Integrated watershed management techniques augmented Remarks Remarks

4. (c) Discuss the socio-economic implications of climatic variations across different regions (150 Words) (10) of India. Ricent IPBES data has highlighted that changing climate along tropics will eiginficantly impact social & economic aspects across the nations. Judia in under threat tou Climate variations short period Cold tureased Impact figural Heat warry Livery ramfell pracin Northe Droughts Mountain wares aryan floods.) regio (ayclonic intensity? Local Implications Women - Double Burden found for energy security (fullwood) Increased Volnerability of marginalised sections (9) manual labourers \$ scarengers workload would increase (Landfills & floods) 3. Threat to health of common people Remarks > Extreml

PDF Eraser Free Rise in diseases (Cholera, Diarrichoea)

Mosquita Rome disease (Dengue, Malauri) 4. Impact or educational outcomes - school closury 5 Health & Mutution deficiery. (Broughts) Wasting, Stunting & Araemic (Droughts) 6. Hest of Biodiversity and theat to sustainable Amol Rural Rivalhood (agri paroductionly 14) Paconomie Inglications: Loss in work hours (eq Mandai floods)
enry adiday due to climate kelated wents
cause 0.9% reduction in GPP (Mackinery) 2 sureased pourty & kurden on working indireducts (Depudeny Ratio 1) 3. Management of Brodiversity Resources deteriote 4. Acorystem services suffer - simpact livelhood Thus adoptate adhirance to Mationally eletermined & contribution the furfil Pasis ordeal (200) should be a step in right direction Remarks Proposed goals & portray Rudio as VISHWAGUMY repetition Avoid. 3.5



4. (d) Analyse the factors influencing the formation and characteristics of different soil (150 Words) (10) types in India. India constitutes a multitude of soil due to within the bounds of territory Various soil forming processes include 3) Black soil of Secon 1 Allumial So 10 Platsour D Red Soul E3 Xatenti E) foset Soul Deady Soul all & right emperatur formation Character 87 tuened?

PDF Eraser Free Charactustis of soil in Endis 3. Laterty Sou formed day to 2. Bladesou 1. Jelimal soil beary rainfall Invested soil · Rich in potash and poor in & high temperation with self resential bases floughing capability Iron and attende · Rich in 3 yper predominent aluminum all lund & Nitroja - liverini - coastal - Alluya left belind · Swells when hydrated cracks . Eutility - my has Cotton ground · Used for surchs 4. Red & Yellow soul 6. Pedy soil elatedy WS of farmsila 5. Fourt soils found in maisles du the high \$ without low raifall humidaty and Low fullity damp conditions from => diffusion : Red 7. Said Soul Rich in organic Dry & calcarion Thydrated & Velour matter ·futil of water Is Manuage feeteley Ludias soil composition makes it one of the most agriculturally firtile & divusi mations of the world. Soils, they must be protected from Rising desutification & De-nutrification

4. (e) Evaluate the influence of altitude and topography on the formation of the alpine and (150 Words) (10) sub-alpine climatic regions in India. India possess significant relief features and varied climatic classification. Or further studyer was found that these two on entimally Influence of altitude or formation of algine and sull-alpin topography elimate As height mireases of the impact of seurlight increases (more intensi) Jumpuature reduces (Normal Lapse Rate 6.5°C/10m) - Precipitation varies 2. Found divisity eignificantly alters floral diversity depending on physiographic features tou varies Its inpact is intressed or companion of bleet & hast Kunalyas: west Kuralyas: Gradalion is not as vivid as Easthered the treatene very cour ingoldtion Remarks

GS SCORE

PDF Eras Estethemalyas - as height increases, sullinguent regitation occues making climate differens wind Droprial Junqual Jarja Jundra & Clarate Clarate Clarate Impact of top ography on alpin & climater regions " (Rugged topography) > Southern Hinglyas are mostly barren & low in regetaler sleper To Worthern elopes of Kinalya inspite of adequate s siopes preapitation & sentight 2. Empad of orographic Ranfall: As height The or the winder of Rainfall occurs even on the windward side foursing differency in condulis : Crops privalent: Mosses Lichen, Alvodendrous, algae & Bryophytic plants thus attitud & topography significantly impacts the elimatic variatio. But example >) Agra & ganglot - on some latitude, for different climate

(a) Discuss the distribution and availability of surface and groundwater resources in (200 Words) (15) different regions of India. Recent Central groundwater Board's (9WB) report has highighted a total of 43.8 Billion arbic Metr (BCM) of Groundwater potential and 698 BCM of surface water potential Ludia distribution of Surface water (1) Majority surface water is present in North Sudia Canga & Brahmaputis Basin (497.) South India constitutes partition of surface waters along O-1 CAWB Report Remaining Surface water (214) is equally spread along various locations renowing instanted portion of big O

PDF Etact Freton of groundwater Hydrogeo logical MAP. 1. Sitellite pictures & mapping suggest Rajutur & Foligals & Hayon grandwater concentration in region along surface & O water encess. Huy patches of Red zone have been mapped by 1580's Space Applecation Centre along Lajarthan, Karyang, Ruyals and Descan platear as region with defined and. Issues with Surface water 1. Intensely polluted due toe sudustriel

effluents & reinamata Delease, Star Etai dicease Discharge of son west & seawage inte rivus without preatment. Putrophication due to festilise's use & Algal Bloom Remarks

GS SCORE PDF Fraser Free 4' Thermal changes in rivers due to clinite charge reducing its isage 5. Increased wast of malle to collect process waters (from senoff). Issues with groundwitter: 1. Encessive entraction du to intensive monocultur practices. (9) Rice & Lebeat in Rigals electricity stealing and Miles 2. Sulisidy misused by farmus (5) west US 4. Geogenic & Anthropogenic mining of chamidals of the file of the (Pupis & Karyas) (Sikar) Thus, adequate measures in order to prevent such misuse is the ned of the hour. Ramuster Gamestry dog with Integrated waterfield Management is the need of the hour to mem Har khet ko Paris" and availability of drinking water Remarks

P3. (b) Compare and Contrast the characteristics and significance of agricultural land, forest land, and urban land in India's land resource management. India is suchly endonced with 3:2 lake sq kn of land area being the 7th largest ration world, Large Round area gives India plenthous of Land Resources Land Resources (Barren Due to mereoling reonomic opportunities requirement, Land use fatherns of India are changing tod (1) Agricultural Land (Significance) (characteristies 3 Contribute 197. to 9DP +) Kural dominated dependent population = (53%) +) fearely intensive +) forms the backson of Il dia parifacturi secto Sulisistevel prominent Remarks

PDF Eraser Free	Designation of the second of t
) Legurement & putting ()	Societal sependent for
	various purposes.
*) Fragmented land area He	against used for catery
(Du to Policie & suda Cl	nate & other Gustock
autusi)	enciabilitis (134. of 9VA)
[Urlean Land	Parket Res Polish of the
Characterstice	(Significand Di V/ Cally
	contribute 80% of
2. High Land prices 2	Rising invanibation Il
2 High Land prices (Inflated) 2	easing rural agricultural
3. Multiply use of same	lad pressur
Land - and Lesitera + Economic	5. Role in pronont c
4. Heavy dependent due to	
high density.	Rising social cremes against somen & children
5. fragmonted sub-holdings 4.	
Forest Cound	
(characterstics)	Significaci
	Provide basic race.
classified esforest	material to both
(1FSR-2021) report.	gricultur & manifactury
Remarks	

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PDF E 25 Sevoled the pecolocies 2. imp. component of putq's \$57's Referily land of NP's & WLS'S 3) Luceased prevalent of Jan, Jungle & Jamesn" of deforest cultion for 3. histing prevalency stuffing agriculture 4. Sureased rights awareness. Threat the Indian Land Pesources 1. Found 2. (Agricultural) 3. (Inless)
**) Deforestation **) Decreased **) Rising concretisation fortilly **) Undentities at a property depletion due to Irihal clashes. (areaning - decreased) areaning Landing (Correction due) areaning Landing **) Pollution due to vehicular emission when the property forms fring **) Role of construction area fring **) Role of construction the ming for mobile
Thus good practice such as hydroponia, aeroponias (urlean sucy), Restoration of furtility for water rural land & land heft virgin for forest land schould be practiced (Mational forest laliny-20 1988) Remarks Exceptional Good muser.

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5. (c) Discuss the role of monsoon forecasting and early warning systems in mitigating the (250 Words) (20) socio-economic impacts of monsoon-related disasters.

Mitigation is a technique of reducing of the impact of the climate vagaries on humans and their surroundings.

Increased intenstity of changing recather potterns have necessitated the creation of roleinst prousoon forcasting and early varney systems (EWS)

Monsoon Related Disastus Landslide Urlean Srought Floods flash (4 Raigad) Hoods Selli agricultura Ragli) These mousoon related disasters along with increased concentration of un-seasonal yelone storms

have amplified the need of tobust foreasting Roleust Mousoon forecasting & ENS Adequate measurement & delineated of Long feerod thrugge (89 cm (1961-2021)) Gread of Satellites (IRMSS) for weather related data cross- connectivity with global measurement forums (3) Scopernicus + NASA + EU-Space + ISRO }
Woodsat) Roleust information dissemination mass into speced. (kg). Disaste proparidness & Pelalulitation before & after occurerce Roll of Monsoon forward & EWS Pensie agricultural cropping season are alligned with climater thonomonon Remarks

Hold 10. Peroper cleaning & de dudging of whitlands Threat proper formal fuctional Design ridde fine lorined Salvered of (M. Road, Hydriay) Viceunty foren) 4. ITBP, BST. Solution for boosting EUS & Monsoon forecast V creation of feedback mechanism (muroclimate) Proper spatial & geospatial allegrant of possibility. 3. Roleust information dissemination. 4. Suppositing 3rd par (g) This sistered climate officers Thus Disasters significantly impact economy, (Googley & livelihood aloy with lives . Its nuligation) Remarks) increased frequery (111°c) is must for survival Scanned with OKEN Sca