

TEST - 02

# **GEOGRAPHY**

Time Allowed: 3 hr.

Max. Marks: 250

## Instructions to Candidate

- There are EIGHT question divided in Two Sections.
- Candidate has to attempt FIVE questions in all
- Question No. 1 and 5 are compulsory and out of the remaining, three are to be attempted 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 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 Question-Cum-Answer booklet must be clearly struck off.

(5)

1. Invigilator's Signature \_\_\_\_\_

2. Invigilator's Signature

Name KUNAL SUROTE

Mobile No.\_\_\_\_

Date \_\_\_\_\_

Signature \_ Kubbute

- TRY TO FINISH THE
- (2). Add more spatial aspects,
- 3 structure your answers properly

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# SECTION-A

Attempt all questions:

1. Answer the following questions in about 150 words each:

 $(10 \times 5 = 50)$ 

- (a) Write a short note on Ice Crystal Theory.
- (b) Draw the critical analysis of the concept of social capital.
  - (c) Discuss the Koppen's climatic classification in detail.
  - (d) Write a short note on sub-aerial erosion theory by Dana and Shephard.
- (e) Biodiversity assessment must be factored into all economic activity. Comment.

given by profusor Hanifan. Averding to him mutual trust and healthy interaction between members

is essential for survival of any society

people in sural & areas a have better inturation.

The amongst themselves than the people in

when areas.

similarly people in developing regions of the world are a bigger social capital

Remarks

Reciporty Scanner

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then people in weloped world He was of the openion that arrangent oversonfident people distroy social capital and mundle and people build social capital. (village) town ity legions with nowever It has been observed that, people in swel and areas are not durage hundle and kind to each other eg: Hourse killing cases

GS SCORE

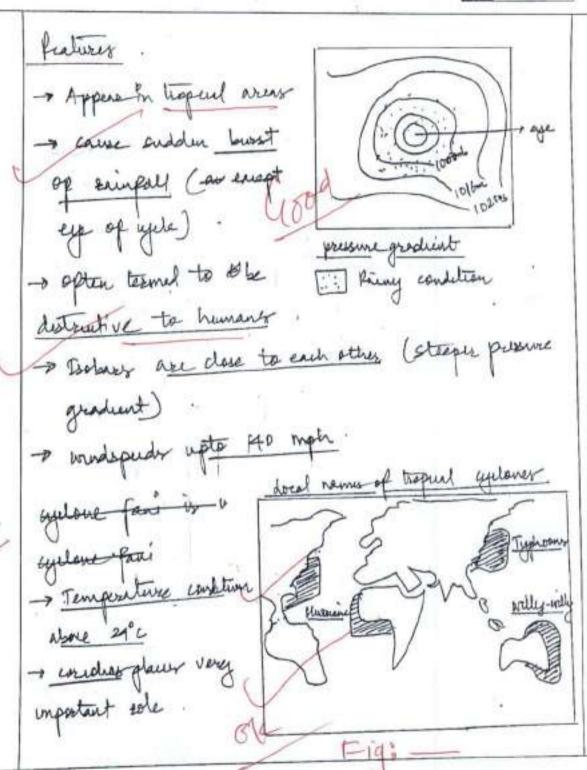
Mob typeling etc AND people in wiban areas are not always arrugant so and are many a times very humble eg: People connerg træller during 5. Despite heng evergenendised in nature Diof. Manifam & started whate regarding sound capital Brodiversity assessment is the act of incorporating and calculating the effect and and a impact of economic activity on the envisainments As sweet ral of human species is linked to the survival of environment, budiversity is. absolutely essential.

Anording to the several reports of UN and IPCC , brodwersity is love losing its promanene at a poster este. \_ 70% of west spenes have already being extinct. Recent extendion of Bemboly Fat on Australia marks structure impact of evanourie activity on bodiverity. concept of New environmentalism proportier was inspired after will should be Sulled at Prefront of evenouse development. Environment and growth are not to separate entity and env sustamable development It only possible by faturing brodiversity assissment into all economic activity.

3. Answer the following questions: Val Discuss the formation of Tropical Cyclone. Why cyclone Fani in Odisha is an unusual (250 Words) (20) (b) Explain the detailed concept of Airmass and also elaborate its detailed role in macro-(200 Words) (15) climatic changes. (c) Write a short note on Biozones of the oceans under Pelagic habitat. (200 Words) (15) 0 Tropual uples are owned conditions develop in areas of two preserve and temperature. These condition cause precise updraft of air so which eventually yeads to to wilanic artively. These are dockwise in Southern hemisphere and anticlockupse the northern hemisphese. generation of Love Process in tropual areas of North Nemusphere

Remarks

useve generated in NH.



GS SCORE

why ob yelone fair was unusual strent; Mejority of welones originate in Buy of Bergel reason due to fellowing reasons "-O it surface temperature of water above 21°C @ fetreating manisoon causes loss pressure undetween 3 Leftover cyclener from Paific bream entre Buy of Burgal Do unusual due :-- ferretime to the right hand side after hitting odusha want (landarea) o coused disturtion property along odulus wast

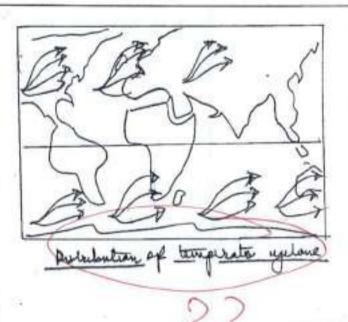
Remarks

Sime majority of yelone depprox (pud) after hetting worst, but faur unlesseful by moving a clarg the const. Therefore yelone fam in Arranges are defined as homogenous m of air which wist over temperate areas. namageneus in terms of temperature and & Aux mass passing over a call area (eg Suburia) will be so willed cold air marss Similarly are ever hot areas are called as hat the air mass

Aix mass lades to the formation of prouts. These phenomenon of marraclimate by gener formation of & temperate cy Remarks

Avenue hade to promet and to be agricult our lame find to be up the series to humans.

The face fall was in a fine find



- 4. Answer the following questions:
  - (a) Write a detailed analysis of ocean bottom relief of Pacific Ocean.

(250 Words) (20)

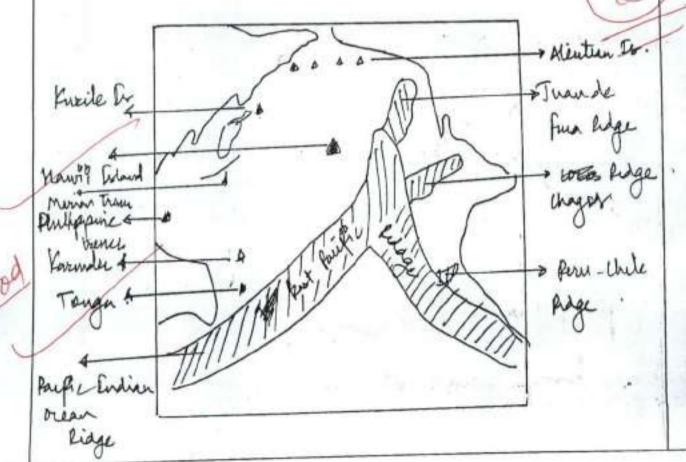
(b) Discuss the problems and prospects of weather forecasting in India.

(200 Words) (15)

(c) With respect to GHG and ODS, explain what is meant by global warming potential and lifetime (also called as time horizon), and their relationship along with their effect on overall global warming. (200 Words) (15)

@ fairfic ocean is the biggest and deeput orean of the world. It is surrounded by

continent land mass on three sides



To the North of parific ourse there are Aleutean Island (wolcom's wigin). The The Bering Strait connuts Pacific our with Benny sea To the North West his the Trepanese island found due to subdustion of Prific diplate. To the sutth his the movement trench smallplaged dued to subdution of facility plate 6 under photoppines plate It is the Leput Originale in the world. Sunharly Tongo and Koverrader & hes tre fronter south. To the eastern less the east purple Rage. This gives to see to Mawii Island

Remarks

North east words

In winter

Due to the large number of variables effecting monsoon is postular and wenther in general, weather fine custing is problematic and difficult "in India In 2002 Indian meterological department (1ms) come up with a new model preduting the weather. 10 of the 16 earlier variables were replaced and new more refined variables were added. Au prisure drop. Tean temperature. Indian ocean depole, rel-Nurs all these fection are considered making production of weather more precine

yesteal waxining in defined as the rapid inverse in temperature of earth atmosphere causing both biofic and absorbe changes. Temperature of the atmosphere merene both naturally and ranthropogenic artirity. nowever past p industrial revolution, antirapagnish factors are playing a dominant role. certain gross like & Nitragen oxide methane, carbon menoride, sulphure Phraside, et can the green house effect i.e they true the long wave reduction emetted from the

earth surface. This cause general as green house gaser trapped an capability of grown the regrect ground ware radietian Methane too le is 300 times considered to be 1. more potential.

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Their half life is defined as the time required to reduce the effect to half and for the the time visionation is called as life time.

#### SECTION-B

## Attempt all questions:

5. Comment on the following into 150 words:

 $(10 \times 5 = 50)$ 

- Human-mediated causes of biodiversity loss
- (b) Write a short note on Geostrophic Circulation
  - (c) Write a short note on Stand Still theory of Murray.
  - (d) Write a short note on Lee's Model of Migration
  - (c) Pacific Decadal Oscillation
- Muman mediated cause of broad versity loss.

  Mumans have played a large role in lass of

  broad versity due to fortuning:

   Paped bourning of passi finels emit large

  contoen discribe landing to ruse in global

  temperature

  Paped dissolution of carbon discribe in ocean

  come and compared and preature with a plant

moune like eg wil bleching

Deppe Depostration to his could lives of forest both proved and formal species Discharge of worste water in siver and oceans leads to destruction of poor 5. eg musury paising be of fut in Japan Entraphulian of pands and lakes well leaching of intriuts making agricultured suil infentile. steps to recover bookiverity. - Aligning green growth with emments Adapting rememble source of energy sio engineering techniques to reduce

global warming. - Referestration using corporate social responsibility and can pa funder. Sustainable diveloped should replace pur economic growth · geostropic wentetion is the plant and countation of guestrapic words around the glaste. Tetatreans are sand considered to questrapic winds which blave from west to east in upper atmosphere

genstropic winds are the result of balening out of corroles fare and p & foric due to difference in pressure gradient. - subspolar, lune westerly · gentrapie winde questropic usulation is more prominent in southun hemisphere than northern hemisphere due to alseem of land They also apput the weather systems around the world eg: Bring ramifall in Endra subcontinuent due during winter suson in form of western disturbances

Parific decaded oscillation is warming and sot cooling of failic ount over a yell of decade It is depperent from EL-Nine and La-Nina north word op temperature explict Ewanie The horsestive type warming and cooling or water has lungs expent on weather of North America

worken pured > cause reainfull in Alaska and western part of North Anerica. - future future industry is affect -> Draught condition is seen in western and period - to due to upwelling of cold water, selmen Paring industry is boosted in Austr and North America -> Kee Runfall and frood condition & seen on western parific Effects on Economy Conclude\_

