

NEETU SINGH DIRECTION

DIRECTION IAS 14A/103 WEA KAROLBAGH NEW DELHI - 5 (M) 9810382305

Q1 b) Crimea - annexed in 2014

17 MAR 2024

Luhansk, Donetsk, Zaporizhia, Kherson are partly annexed since 2022 invasion

Q2 a) Nord Stream is network of offshore natural gas pipelines - which runs under Baltic sea to Germany
It transits through EEZ of Finland, Sweden, Denmark
It avoids conventional routes through Ukraine & Poland

Q3 a) India- Middle East Europe Corridor (IMEC) has
East Corridor - India & Mid East
Northern Corridor - Mid East to Europe

- is an extensive integrative network of railway corridor, hydrogen pipeline, high density optical fibre cables
- is against CPEC that is Debt Trap diplomacy of China, in this corridor ability to invest on mutual benefit is applied

Q4 b) Caucasus mountains are young fold mountains spreading across Azerbaijan, Armenia and Georgia - i.e. - between Caspian Sea- Black Sea.

Q5 a) All three are operational under MoEFCC

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- Q6 c) Ethiopian highland is basaltic tableland
DRC is equatorial climate
Mesopotamia is R. Tigris & R. Euphrates plain
- Q7 b) 8° channel separates entire group of Lakshadweep islands from Maldives.
• Palk Strait - Sri Lanka and India.
• 10° channel - Andaman and Nicobar islands
• India Point - Great Nicobar and Indonesia.
- Q8 a) Continental islands are also called low islands.
Maximum of large islands of world are continental islands. The top ten such islands in terms of their size are Greenland
New Guinea
Borneo
Madagascar
Baffin
Sumatra
Honshu
Gt. Britain
Victoria
Ellesmere.
- Q9 b) Leipzig - Optical fibre production - Lower Saxony - Germany
Lorraine - iron steel & other metal based industries - France

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Q10 c) A strait is narrow navigable waterbody that connects two large water bodies. It largely includes legal regime of transit passage.

- Hormuz Strait - Persian Gulf & Gulf of Oman
- Bab el Mandeb - Red Sea & Gulf of Aden
- Sunda Strait - Java Sea & Indian Ocean
- Malacca Strait - Andaman Sea & S. China Sea

Q11 a) An ocean current is continuous movement of surface water generated by wind, coriolis effect, shoreline, salinity and temperature differences

- Agulhas - west boundary warm current in Indian Ocean
- Humbolt - east boundary cold current of Pacific Ocean
- Fanning and Falkland are cold water, ablation caused summer specific currents of Atlantic

Q12 c) Fishing banks are shallow parts of sea/ocean that supports bigger extractable fish shoals

- Reed bank - S. China Sea
- George bank - New England USA
- Doggerbank - North Sea
- Grand bank - Newfoundland Canada

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Q13 c) Sargasso Sea is a region in North Central Atlantic bounded by gyre circulation.

It is an open water with no land boundaries distinguished from other part of Ocean by its green colour - caused by sea weeds - Sargassum

Q14 c) The S. China Sea is one of the world's busiest waterways. It involves several overlapping territorial disputes involving - China, Vietnam, Phillipines, Taiwan, Malaysia and Brunei

Q15 c) Cartegena Protocol on Biosafety - Colombia
Aichi Biodiversity Targets - Prefecture Japan
Ramsar- Wetland Convention - Iran
Bonn- Convention on Migratory Species - Germany

Q16 c) Tropic of Capricorn passes via Chile, Argentina, Paraguay and Brazil

Equator also passes through this continent via Ecuador, Colombia, Brazil

Q17 d) The International Tropical Timber Organisation is intergovernmental organisation that promotes conservation of tropical forest resource, use and trade - Yokohama.

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- The New Development Bank (formerly BRICS Devpt Bank) is multilateral development bank - Shanghai
- FAO of UN is specialized agency that leads international efforts to defeat hunger and improve nutrition and food security - Rome

Q18 a) Kankesanthurai (Sri Lanka) Port assisted by India.

Assumption (Seychelles) Port assisted by India

Lamu (Kenya) Port assisted by China

Agalea (Mauritius) Port assisted by India.

Q19 b) Dakshin Gangotri commissioned in 1982 and was abandoned in 1990

• Bharati is permanent Antarctic research station commissioned in 2012

• Other operational station is Maitri

• Antarctic Mission is under Ministry of Earth Sciences, National Centre for Polar and Ocean Research.

Q20 b) Santos is outer port of Sao Paulo in Brazil
It is known as coffee port

* Tianjin is also outer port of Beijing in China

Q21 a) The Coastal clean up conducted by MoES National centre for Coastal Research outlined

- Kozikode (Kerala)
- Sagarshwar (Maharashtra)
- Amale Palghar (Maharashtra)
- Vedaranyam (Tamil Nadu)
- Mangaluru (Karnataka)

Dirtiest Beaches

- Kazhakuttom (Kerala)
- Puri (Odisha)
- Thiruvanmiyur (T.N.)
- Gopalpur (Odisha)
- Dumas (Gujarat)

Clearest Beaches

Q22 d) The Autonomous region of Bougainville, a chain of islands that lies northwest of Papua New Guinea's capital, have passed referendum of independence. This however is non binding.

Q23 a) Indo-Bangladesh Protocol of Inland water Transit and trade, under which inland vessels can transit through other country.
Existing routes includes

- Kolkata - Pandu - Kolkata
- Kolkata - Karimganj - Kolkata
- Rajshahi - Dhulian - Rajshahi
- Pandu - Karimganj - Pandu

Q24 c) The second most active volcano of Luzon island of Philippines . It is a large caldera filled up by Taal Lake.

It is classified as complex stratovolcano system as it has 47 craters and 4 Maars

* Maars are volcanic craters caused by an eruption occurring when old ground water is in contact with magma. It is type of Phreatic ejection

Q25 a) Lake Titicaca straddle the border between Bolivia and Peru . It is at 3810mts above sea level.

River Amazon rises from Andes mountains of Peru at height of 5000 mts. Rivers Maranon, Apurimac and Mantaro are claimed to be its source.

Q26 c) Rohtang pass is @ height of 3978 mts on eastern Pir Panjal Range.

The Rohtang tunnel- Atal tunnel is a highway tunnel built under Rohtang pass with length of 8.8 km.

Q27 c) Kajin Sarra lake in Manang district of Nepal discovered by group of mountaineers in early 2019 is located at height of 5200 mts.

Q28 a) About $\frac{1}{2}$ of world's oil production is moved by tankers on fixed maritime routes. The blockage of choke points can be critical to global energy security. There are 8 choke points of oil transit in world -

- Danish Strait
- Bosphorus strait
- Hormuz Strait
- Bab-el-Mandeb Strait
- Suez Canal
- Panama Canal
- Malacca Strait
- Cape of good hope.

Q29 d) Argentina has shoreline with Atlantic Ocean only. (Refer Ans 16 for main latitudes)

Q30 a) African Savannah is largest area of tropical continental climate, that extends from Sahel via Kenya-Tanzania to Angola

Q31 b) Great Salt Desert - Iran - Dasht-e-Kavir lying in middle of Iranian Plateau.

Q32 d). The Lomonosov Ridge is an unusual under water ridge of Arctic Ocean

- It spans 1800 km between New Siberian Islands to Ellesmere Island.
- Arctic coastal states - Canada, Norway, Russia, Denmark, Iceland, Sweden, Finland, USA involves jurisdiction of Arctic (land, water, EEZ)

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Q33 b) Panchkula is planned city in Haryana. It forms part of tri city area. - Panchkula, Chandigarh and Mohali

It attains its name from confluence of five irrigation canals, that distributes water of River Ghaggar & Hakka.

Q34 c) Nokrek - Located in Meghalaya Biospheric Reserve
Saikhowa - Dibru - Assam - Important Bird Area

Achrankumar - Chhattisgarh - Bengal tiger, leopard & MP

Simlipal - Odisha - (Simul silk cotton tree)

Q35 a) Mt Etna - active strato volcano of Sicily - Italy
Raikoke - uninhabited Kurile Island - Russia
Ulawun - active strato volcano of Papua New Guinea.

Q36 a) Bushfire and grass fire are common throughout Australia. These are intrinsic part of Australian envt, evolving ecosystem. Many native plants are fire prone and very combustible.

The fire creates Pyrocumulonimbus clouds, lightning from which can trigger new fire.

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- Q37 c). Peruvian / Humbolt current is east boundary cold current of S. Pacific
• it relates to Atacama desert, the deepest tropical desert of world.
• Guano birds droppings are rich source of phosphorous
- Q38 c) Norwegian current is warm current, i.e. polar extension of North Atlantic Drift (Nansen effect)
- Q39 a) Entre port - transhipment port
Port of call - intermediate stop for refuelling
Riverine Port - on River Elbe (North Sea)
Tidal Port - amphidromic system of tide mort
- Q40 d) Tanzanian islands of Zanzibar] in Indian Ocean
Mafia
Pemba
are major clove producing regions.
- Q41 a) Lake Baikal rift lake in southern Siberia. It is oldest existing fresh water lake.
• Lake Tanganyika is in Great African rift valley longest fresh water lake of world.

- Dead Sea is salt lake belonging to Jordan rift valley
- Lake Victoria source of R. Nile is located between Eastern-Western Rift Valleys of Africa
 - * It is not a rift valley lake.

Q42 c) Hudson plain ecoregion is vast, flat wetland region. These are Arctic lowlands of Northern Canada, bordering Hudson Bay.

Q43 b) Great Dividing Range is old fold mountain developed due to continent collision

- Black Forest in Germany and Vosges in France are old block mountains. They have rift valley drained by River Rhine.
- Mountains of accumulations are volcanic mounts

Q44 c) Fiord is a long, deep inlet of sea between high cliffs, as Norway, Iceland. Typically formed by submergence of glaciated valleys

Q45 c) Grand Canal - Yen Ho canal of Chinese plain
 Kiel Canal - North Sea and Baltic Sea
 Corinth Canal - Aegean and Ionian Seas (Athens)

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Q46 b) Harbour are havens of vessels. These can be natural or man made.

Natural harbour - where part of body of water is protected and deep enough to allow ships to anchor - Sydney harbour, Pearl harbour (Hawaii)

Artificial harbour are designed to be ports as well
Jebel Ali (Dubai) Port of Los Angeles

Ice free harbours in higher latitudes

Murmanek (Russia) Prince Rupert (Canada)

Q47 a) Milpa - Central America (Mexico)

Roca - Brazil

Conuco - Venezuela

Tamrai - Thailand

Laingui - Phillipines

Jhum/Poda - India

Q48 b) Llanos - Venezuela - Columbia

Campos - Brazil

Savannah - African belt

* Downs are temperate grasslands of Australia

⇒ Sedan climate is tropical Continental climate

- Q49 d) khamsin - dry dusty hot southern wind - Egypt
 libur - southern winds causing rain - Libya
 Gregale - NE wind of cold season - West Med.
 Leveche - dry, scorching dust-laden wind - Spain

- Q50 c) The Mediterranean climatic lands are often called World's Orchard lands because of fruit production.
- Negev the rock desert is part of sinai peninsula to its west, it is dry but on east is known for fruit cultivation

- Q51 c) Among the grassland regions Puszta is in Hungary

- Q52 b) Transboundary waters - aquifers, lakes and rivers (including basins) shared by two or more countries
- There are 263 transboundary lakes and river basins and 300 aquifers
 - 145 states have territories within transboundary lake or river basin, 30 countries lies entirely within them.

- Q53 b) Sacred mountains are central to certain religion - also called holy mountain
- Mount Kilimanjaro - Tanzania
- Ayers Rock - are Uluru mountain in Australia

Q54 a) Lonar a notified National Geo heritage monument. It is saline lake is most known crater lake developed in Pleistocene epoch. It is world's largest basaltic impact crater also.

- Rangpur Crater - Rajasthan] small less defined examples
- Dhaka Crater - Madhya Pradesh]

Q55 a) Indonesia though dominantly falls in Asia, it qualifies to be trans continental country due to several islands in Oceania.

Q56 b) Australia is flattest and smallest continent of world.

Q57 a) All these are crater lakes of world

Q58 d) All pairs of country and location are correct

Q59 c) Equitorial climate supports densest vegetation with acidic soil, restricted both crop cultivation and livestock rearing.

- Q60 d) Cotopaxi - Ecuador - highest active volcano
- Satpura - Old block mountain India
- Karakoram - Young fold mountain Ladakh
- Aravalli - Old fold scarp mountain

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- Q61 c) • Manaus in Brazil is riverine port on Amazon
• Kinshasa in DRC is on banks of R. Congo
• Niamey in Niger is on banks of R. Niger
• Khartoum in Sudan is on banks of R. Nile

Q62 d) All descending winds are katabatic, experiences adiabatic warming thus creates dry conditions

- Q63 d) • On shore westerlies prevail throughout the year in 45° - 60° N/S along west margins of land - European climate
• Sh Australia and Cape province have onshore westerlies only during winters 30° - 45° S West margins - Mediterranean climate

Q64 b) It includes flow of R. Danube beyond Iron Gates - Dardap Gates along Serbia - Romania border.

Q65 b) Monsoonal climate is characterised with summer concentrated rains. The region is confined between 10° - 30° N/S along east-margins of land.

Q66 d) Arctic and Alpine tundra have extreme and prolonged winters, restricting growth of plants. It is therefore that population depends on animals and fishes for food requirements.

Q67 b) Emerald Isle is poetic name of Ireland due to its green countryside

Sugar bowl of world is Brazil as it is now the leading producer of sugar.

Q68 b) Venice is located on several canals.

Q69 c) Suez Canal is sea level waterway in Egypt, connecting Mediterranean Sea and Gulf of Suez.

Dredged across isthmus of Suez it traverses through Bitter Lakes and Timsah lake

Q70 d) Nicaragua Canal from Brito - Punta Gorda will link Pacific and Atlantic Oceans via Lake Nicaragua.

Proposed Caspian Canal will have Caspian and Persian Gulf and Caspian - Gulf of Oman.

Thai Canal (Kra Canal) will be connecting Andaman sea and Gulf of Thailand

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Q71 b) Paris to Warsaw is Orient Express rail route.

The term transcontinental rail route is applied to denote lengthy rail routes across continents.

Q72 b) Thalweg is line of lowest elevation either a valley or water course. Under international law, thalweg is middle of channel (along cut bank) used for boundary.

* River Orange draws boundary between Namibia and S.Africa.

Q73 b) Baku is the capital and largest city of Azerbaijan. It is also called oil city of Caspian.

Q74 c) Bosphorus is continental boundary between Europe and Asia.

Q75 a) Moscow - With Moscow Volga canal and Don-Volga shipping canal is linked to all the mentioned water bodies - thus Atlantic Ocean.

Q76 c) Silvassa, Ahmednagar, Pune, Kolhapur.

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Q77 b) Lake Chad is largest freshwater lake in Sahelian Africa. It is rapidly shrinking due to unsustainable use and climate change.

Q78 b) Hambantota - Sri Lanka
Gwadar - Pakistan
Bagamoyo - Tanzania
Chabahar - Iran - Indian assistance

Q79 d) Assam has international boundary with Bhutan and Bangladesh.

- Arunachal Pradesh has international boundary with Bhutan, China, Myanmar.
- Manipur has international boundary with Myanmar.

Q80 b) R. Chambal - Rajasthan - Madhya Pradesh
R. Indravati - Odisha - Chhattisgarh
R. Krishna - Telengana - Andhra Pradesh.

Q81 c) All mentioned peaks are in Uttarakhand
The tallest peak is Nanda devi.

Q82 d) All canals relate to Great lake route of North America.

Welland Canal has seven locks to compensate Niagara falls - L. Erie & L. Ontario

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- Q83 b) Mittelland canal - R. Ems, R. Elbe, R. Weser
Dortmund canal - R. Ems, R. Rhine
Ludwig Canal - R. Main, R. Danube
• Du Midi Canal - R. Rhone, R. Garonne is in France.

- Q84 a) All the given states have boundary with Telengana.

Odisha also shares small boundary with the state.

- Q85 c) It is also longest international border in world.

- Q86 a) Applied to both final borders and still negotiated ones.

- Q87 d) River Oder is the reference name for this border between Poland and Germany

- Q88 c) Among the 5 break away countries of former USSR in central asia, Only Kazakhstan and Turkmenistan have shoreline with Caspian sea.

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Q89 a) South Atlantic Drift is the part of West wind Drift in Southern Ocean.

Q90 b) Java island along with Lesser Sunda Islands are located south of equator.

- Q91 b)
- | | |
|----------|-----------|
| Itanagar | - Assam |
| Imphal | - Manipur |
| Agartala | - Tripura |
| Aizawl | - Mizoram |

- Q92 b)
- | | |
|----------|------------------|
| Bilaspur | - Chhattisgarh |
| Jodhpur | - Rajasthan |
| Bhopal | - Madhya Pradesh |
| Ranchi | - Jharkhand |

- Q93 c)
- | | |
|-----------|------------------|
| Kalakot | - Jammu |
| Nichaholm | - Kashmir Valley |

both are anthracite coal producing regions of Dravidian System- Haemanta series

- Q94 c) A river mouth is where, the river debouches into another river, lake, sea or ocean.

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Q95 d) $82^{\circ}30'$ E longitude is Indian Standard Meridian
It passes through Mirzapur in Uttar Pradesh
The states it passes through are Uttar Pradesh
Madhya Pradesh, Chhattisgarh, Odisha and Andhra
Pradesh.

Q96 a) Viticulture is cultivation and harvesting of grapes
Australia's wine regions are mainly southern cooler
parts, which includes Adelaide (S. Australia) as
a major city

Q97 b) Bora - Katabatic Northern wind in Adriatic Sea
Purga - violent cold wind blowing in Russia
Blizzards - severe snowstorm causing white outs
and snowdrifts in USA
Mistral - strong cold northern wind that
blows from France to Gulf of Lions

Q98 d) NW India Marusthal - hot sandy Desert
 Rohi - hot Fertile plain
 Aravallis - dry deciduous forests

Q99 b) Fremantle is port city of Perth Metropolitan area

Q100 d) Taungoo Pass is mountain corridor connecting India
with Myanmar. It is in Bandomay district of Myanmar