

# How well prepared you are for Prelims 2015

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## Prep Series : Part-6

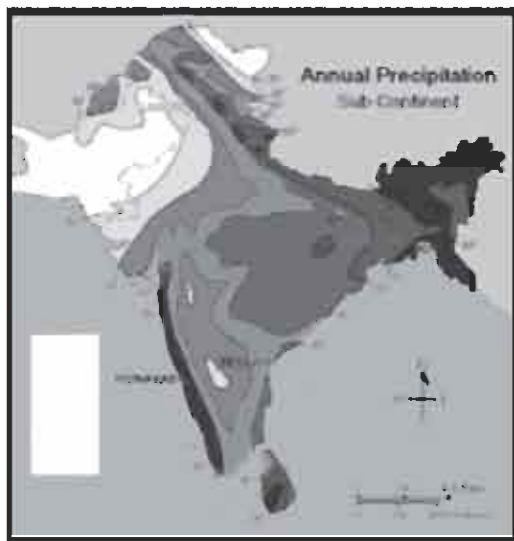
### 50 QUESTIONS

### GEOGRAPHY, ECOLOGY & ENVIRONMENT

by



1. In the given map of India, annual rainfall received in the region marked as X, would be in between,



- a) 100 to 150 cm      b) 150 to 200 cm  
c) 60 to 100 cm      d) More than 200 cm
2. Soil conservation is the prevention of soil from erosion or reduced fertility caused by overuse, acidification, salinization or other chemical soil contamination. Which of the following is method/s of soil conservation?
1. Wind breaks.      2. Construction of Dams.  
3. Contour farming.      4. Stubble Mulching.

Select the correct code from below.

- a) 1, 2 and 3 only      b) 2, 3 and 4 only  
c) 1, 3 and 4 only      d) All are correct.
3. Read the following statement about Geomagnetism, the study of Earth's magnetic field,
1. The Earth's magnetic field is generated within its solid inner iron core.  
2. The intensity and structure of the Earth's magnetic field are always changing.  
3. There have been cases of reversal of magnetic poles of earth in the past, the strength of magnetic field weakens in due course of time and at one time it almost vanishes.

Select the correct code from below.

- a) 1 and 3 only      b) 2 and 3 only  
c) 1 and 2 only      d) All are correct.
4. Read the following statement about the International Union for Conservation of Nature (IUCN),
1. It is the world's oldest and largest global environmental organization.  
2. It was founded in 1948, is a leading authority on the environment and sustainable development.  
3. It is headquartered in Hague Holland.

Select the correct code from below.

- a) 1 and 3 Only;            b) 2 and 3 Only  
c) 1 and 2 only            d) All are correct.

5. Consider the following statements about the Ports of India.

1. Mundra Port in Gujarat, is largest private sector port of India.
2. NhavaSheva now known as Jawaharlal Nehru Port is the largest container port in India.
3. Two new ports are being set up at Durgarajapatnam and Sagar in Andhra Pradesh and West Bengal respectively" under PPP mode.

Which of the above statements given above are correct.

- a. Only 1                      b. 1 and 2  
c. Only 3                      d. All are correct.

6. Read the following statement.

1. Transfer of energy in the aquatic ecosystem is more efficient than that of the terrestrial ecosystem.
2. Aquatic ecosystem do not always result in the same kind of biomass pyramid as terrestrial ecosystem

Select the correct statement from the code given below.

- a) Only 1.                      b) Only 2.  
c) Both are correct.        d) None is correct.

7. Read the following statement,

- a) Himalayan region of India has more endemic plant variety as compared to the Northern Plain.
- b) The Peninsular plateau has more Endemic variety than the Coastal Plain.

Select the correct code from below.

- a. Only 1                      b. Only 2  
c. Both are correct.

8. Which of the following state/s has common boundary with Haryana.

1. Himachal Pradesh
2. Uttarkhand
3. Madhya Pradesh

Select the correct code from below.

- a. Only 1                      b. 1 and 3 Only  
c. Only 2 and 3              d. All

9. Read the following statement,

1. All the cold ocean currents are found along the offshore winds belt.
2. Kiel canal connects Baltic Sea with Gulf of Finland.
3. Highest salinity of all the water bodies is found in Dead Sea.

Select the correct code from below.

- a. Only 1                      b. 1 and 2 Only  
c. Only 3                      d. All are correct.

10. Read the following statement,

1. Equatorial belt in the northern hemisphere receives more rainfall than its southern counterpart.
2. Sub Polar low pressure of southern hemisphere receives more rainfall than its northern counterpart.
3. Western coast of equatorial region receives more rainfall than its eastern counterpart.

Select the correct code from below.

- a. Only 1                      b. 1 and 2  
c. Only 3                      d. All are correct.

11. Read the following statement about the comparative study of cycling of matter in the ecosystem.

1. Carbon is rarely a limiting factor in the growth of vegetation.
  2. Both Nitrogen and phosphorous are the main limiting factor.
  3. Phosphorous has to be added in the ecosystem artificially, else it enters in the ecosystem too slowly.
  4. Nitrogen is the only cycle, which is driven by bacteria.
- Select the correct statement from the code given below.

- a. 1,2 and 3 only              b. 2,3 and 4 only  
c. 1,3 and 4 only              d. All are correct.

12. In the equatorial region the growth of small plants is retarded by the large plants, this biotic interaction is referred to as,

- a. Commensalism              b. Amensalism  
c. Neutralism                  d. Mutualism.

13. Read the following statement about the ecological succession,

1. Invasion of Crabgrass in an area is an example of secondary succession.

2. Major difference between primary and secondary succession is that primary succession starts with preexisting soil.

3. Prairies area will be more susceptible to succession if they experience fire.

Select the correct statement from the code given below.

- a. 1 and 2 only.            b. 2 and 3 only.  
c. 1 and 3 only.            d. All are correct.

14. Read the following statement about the ecological succession,

1. The ecological succession of an area from Pine to Oak to Deciduous trees is an example of Climax forest ecosystem.

2. Driving succession forward by improving conditions for subsequent species is known as facilitation.

3. In the ecological succession more than one seral stage evolves always until climax conditions are attained.

Select the correct statement from the code given below.

- a. 1 and 2 only.            b. 2 and 3 only.  
c. 1 and 3 only.            d. All are correct.

15. In the survival curve the area between the optimal range and the high or low end of limit of tolerance is called,

1. Zone of stress.
2. Range of tolerance.
3. Limit of tolerance.
4. Ecotone.

16. Read the following statement,

1. The natural disturbances constantly create gap or patches in the landscape, which ultimately enhances the Biodiversity.

2. If certain species are eliminated then the natural succession will be blocked or modified.

3. Fire is used as an important component of management of ecosystem in the Amazon forest.

Select the correct statement from the code given below.

- a. 1 and 2 only.            b. 2 and 3 only.  
c. 1 and 3 only.            d. All are correct.

17. Read the following statement.

1. Transfer of energy in the aquatic ecosystem is more efficient than that of the terrestrial ecosystem.

2. Aquatic ecosystem do not always result in the same kind of biomass pyramid as terrestrial ecosystem

Select the correct statement from the code given below.

- a) Only 1.                    b) Only 2.  
c) Both are correct.        d) None is correct.

18. Which of the following statement is correct about inefficiency of trophic level.

1. Individual at higher level in the biomass pyramid represents a greater amount of sun's energy for the same amount of body tissue.

2. Pollutants, which are soluble in water, are more dangerous than the one, which is soluble in fat.

Select the correct statement from the code given below.

- a). Only 1.                    b) Only 2.  
c) Both are correct.        d) None is correct.

19. Which of the following is the most important in the conservation of Organism.

- a. Ecotone.                    b. Niche  
c. Biome                        d. Energy Pyramid.

20. Read the following statement,

1. If the rate of recruitment is very high the population growth will be low.

2. Environmental resistance is an important factor to check the population, which does not include biotic component.

Select the correct statement from the code given below.

- a). Only 1.                    b) Only 2.  
c) Both are correct.        d) None is correct.

21. Read the following statement,

1. In the 'r' selected reproductive strategy the environmental instability reduces population size before it approaches carrying capacity.

2. In the 'k' selected strategy, population size is near carrying capacity due to density independent factor.

Select the correct statement from the code given below.

- a). Only 1.                    b) Only 2.  
c) Both are correct.        d) None is correct.

22. NRI Ganga Fund is to set up under the aegis of which of the following Ministry,

- a) Ministry of Overseas Indian Affairs.

- b) Ministry of External Affairs.
- c) Ministry of Home Affairs.
- d) None of the above.

23. Consider the following statements regarding the National Water Policy (NWP) of the Government of India

1. The first National Water Policy (NWP) of India was adopted by the National Water Resources Council in September 1990.
2. This policy guided the formulation of policies and programs for water resources development and its management.

Which of the above statement/s is/are correct. Select the correct code from below

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2.

24. Consider the following statements regarding RKVY.

1. This scheme was launched in 2006-07 with an outlay of 25,000 cr for the X1th Plan.
2. This sub-scheme under RKVY was launched in 2010-11 with an objective to bring economic revival of Saffron farming in J&K.

Which of the above mentioned statement(s) is/are correct? Select the answer from the codes given below

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2

25. The Kisan Credit Card (KCC) Scheme is in operation throughout the country that is implemented by which of the following banks

1. Commercial Banks
2. Cooperative Banks
3. Regional Rural Banks

Select the correct statement/s from the codes given below

- a. Only 1
- b. 1 and 2
- c. 2 and 3
- d. All of the above.

26. Consider the following statements regarding National Agricultural Insurance Scheme (NAIS)

1. NAIS with the aim to increase coverage of farmers, crops and risk commitment was introduced in the country from Rabi 1995-1996 replacing the erstwhile Comprehensive Crop Insurance Scheme (CCIS).

2. The main objective of the scheme is to protect the farmers against the crop losses suffered on account of natural calamities, such as, drought, flood, hailstorm, cyclone, pests and diseases.

3. The scheme is being implemented by the Agriculture Insurance Company of India Ltd. (AIC)

Select the answer from the codes given below

- a. Only 1
- b. 1 and 2
- c. 2 and 3
- d. All of the above.

27. Which of the following pairs are correctly matched

1. National Mission on Oilseeds and Oil Palm : 2004-05
2. National Mission on Bamboo : 2005-06
3. National Horticulture Mission (nhm) : 2006-07

Select the answer from the codes given below

- a. Only 1
- b. 1 and 2
- c. 2 and 3
- d. All of the above

28. Read the following statements carefully about the Earthquake waves.

1. The body waves travel faster in the denser medium.
2. L wave is the most destructive because it has maximum amplitude.

Select the correct answer using the code below.

- a) Only 1.
- b) Only 2
- c) Both are true.
- d) None of the above.

29. Read the following statements carefully and answer from the codes given below.

1. All the volcanic mountains are produced through central eruption.
2. Mid oceanic ridge is the longest chain of mountains on the earth.
3. All the major Islands in the oceans are Tectonic in origin.

Which of the statement/s given above are correct.

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above.



30. Read the following statements carefully and answer from the codes given below.

1. Shadow of P waves is bigger than that of S waves.
2. A line joining places having equal intensity of earth quake is called homoseismal lines.
3. Volcanic activity generally produces shallow foci or intermediate foci earthquakes.

Which of the statement/s given above are incorrect.

- a) 1 and 2
- b) 2 and 3
- c) 1 & 3
- d) All of the above.

31. Read the following statements carefully and answer from the codes given below.

1. Ideally, any given earthquake can be described by only one magnitude, but many intensities.
2. Mercalli scale has devised twelve numbers with the increasing intensity from 1 to 12
3. Magnitude is usually expressed as an Arabic Numerals while Intensity is expressed as Roman numerals.

Which of the statement/s given above are incorrect.

- a) 1 and 2
- b) 2 and 3
- c) 1 & 3
- d) All of the above.

32. Read the following statements carefully.

1. All the heavenly bodies, which revolve around the Sun, are called planets.
2. Black hole is a dead star.
3. Steroids are found in Between Jupiter and Saturn.

Select the correct answer using the code below.

- a) Only 1&3
- b) 1 & 2 Only
- c) 2 & 3 Only
- d) All the above.

33. Both Mercury and Venus do not have any satellite.

R. They are the two closest planet from the Sun.

- a) Both are correct and R explains A.
- b) Both are true but R does not explain A.
- c) A is true but R is false.
- d) R is true but A is false.

34. Read the following statement,

1. The atmospheric pressure of wet air is lower than that of dry air.

2. The dry adiabatic lapse rate is higher than that of wet adiabatic lapse rate.

Choose the correct code from below.

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2.

35. The number of Tropical Cyclone hitting the eastern coast is far more frequent and intense than that of the western coast, why?

1. Arabian sea is bigger in size than Bay of Bengal, hence has lower temperature.
2. Cyclones formed in Arabian sea move away from the coast under the influence of Coriolis force.

Choose the correct code from below.

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2

36. Collectively, biosphere reserves form a world network the World Network of Biosphere Reserves (WNBR). Within this network, exchanges of information, experience and personnel are facilitated. Read the following statement about biosphere reserves.

1. Biosphere reserves are the object of a binding international convention or treaty.
2. Only the core area of a Biosphere Reserves requires legal protection.

Choose the correct code from below.

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2.

37. Read the following statement,

1. The entire sequence of ecological communities successively occupying an area from the initial stage to the climax is called sere.
2. The ability of an ecosystem to return to its normal functioning is called primary succession.

Choose the correct code from below.

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 nor 2.

38. The Prime Minister Mr. Narendra Modi on 10 May 2015 inaugurated the upgraded IISCO Steel Plant (ISP) in Burnpur, West Bengal. Read the following statement about IISCO,



IAS 2015-16

# GEOGRAPHY

(OPTIONAL)

with

Shamim Anwer

29  
AUG.  
11am

1. Indian Iron and Steel Company (IISCO) was taken over by the Union Government in 1972 as part of a nationalisation drive and made a fully-owned subsidiary of HINDALCO in 1978.

2. The company's reserves of iron ore are the largest in Asia.

Choose the correct code from below.

- a. Only 1                      b. Only 2  
c. Both 1 and 2              d. Neither 1 nor 2.

39. Read the following statement,

1. India has the distinction of having the maximum number of tigers in the world.

2. Bor Wildlife Sanctuary, located in Gujarat is now the 47th Tiger Reserves of India.

Choose the correct code from below.

- a. Only 1                      b. Only 2  
c. Both 1 and 2              d. Neither 1 nor 2.

40. Arrange the following cities of Central America from south to north.

1. Belmopan                  2. San Jose  
3. Tegucigalpa              4. Managua.  
a) 1,2,3 and 4              b) 1,3,4 and 2  
c) 3,4,2 and 1              d) 1,2,4 and 3.

41. Which of the following is/are correctly matched.

1. Nagoya protocol; Ozone depletion  
2. Montreal protocol: CBD  
3. Ramsar convention: Wetlands.

Select the correct code from below.

- a. Only 1 and 3              b. Only 1 and 2  
c. Only 3                      d. All are correct.

42. Which of the following country/countries share common boundary with China.

1. Kazakistan.              2. Uzbekistan.  
3. Tajikistan                4. Kyrgyzstan.  
a) 1, and 3 Only            b) 3 and 4 only  
c) 1, 3 and 4 only        d. All the above.

43. Read the following statement about irrigation system in India,

1. Under PMKSY scheme, the state can avail 90% of the grant from central government whereas the remaining 10% should be borne by state government.  
2. NREGA has been used over the past few years for creation and augmentation of irrigation assets.

Select the correct code from below.

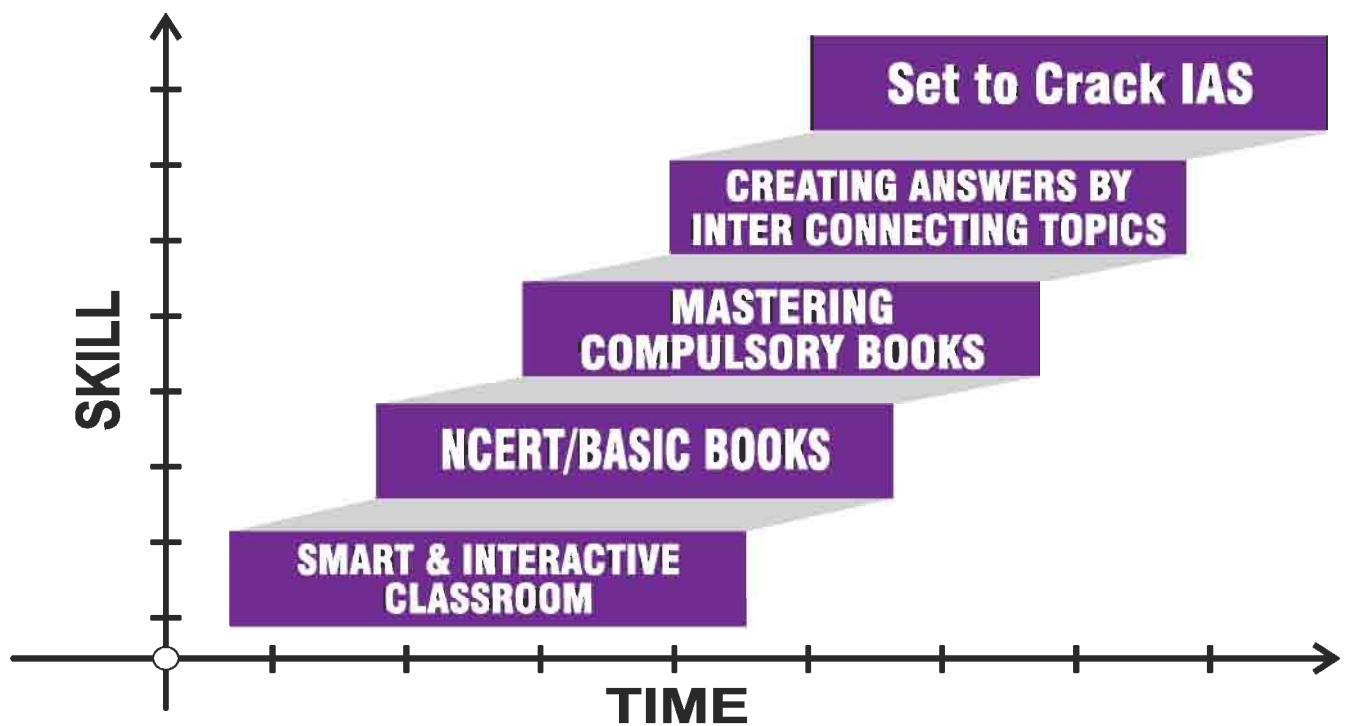
- a. Only 1                      b. Only 2  
c. Both are correct.        d. None is correct.

44. Which of the following tribe is correctly matched with their state.

1. Angami                      Nagaland.  
2. Chenchus                  Andaman and Nicobar Island.  
3. Lepchas                    Arunachal pardesh.

Select the correct code from below.

- a. Only 1                      b. 1 and 2  
c. Only 3                      d. All are correct.



45. Which of the following statement is included as apart of the census definition of Urban areas in India,

1. At least 75 per cent of the male working population engages in non-agricultural pursuits
2. The density of population exceeds 400 persons per square km.
3. Livestock rearing, forestry, fishing, hunting, plantations, orchard etc. are NOT treated as agricultural activity while defining the working population.

Select the correct code from below.

- a. Only 1
- b. 1 and 2
- c. Only 3
- d. All are correct.

46. Which of the following endangered animal or plant species are correctly matched.

1. Giant Panda                      China.
2. Golden Lions Tamarin        Brazil.
3. Asiatic wild Ass.                India.

Select the correct code from below.

- a. Only 1
- b. 1 and 2
- c. Only 3
- d. All are correctly matched.

47. Read the following statement about cyclone,

1. ITCZ is not an important breeding ground of tropical cyclone because of the absence of Coriolis force around it.
2. Snowfall is more possible along a warm front than along a cold front.

Select the correct answer from the code given below.

- a) 1 only
- b) 2 only
- c) Both are correct
- d) None is correct.

48. The sum of all the conditions under which a species can live is called.

- a. Sere
- b. Niche.
- c. Habitat.
- d. Biome.

49. Which of the following statement regarding Nitrogen cycle is correct.

1. Thunder and lightning is a part of Nitrogen cycle.
  2. Fossil fuel combustion fixes nitrogen from the air.
- Select the statement from the code given below.

- a) Only 1
- b) Only 2
- c) Both are correct.
- d) None is correct.

**MAINS RESCUE BATCH : 6th SEP., 5:00PM**

50. Read the following statement,

1. Producers make high-potential-energy organic materials for their needs from low-kinetic energy raw materials in the environment.

2. Co<sub>2</sub>, water and rock based minerals are nonflammable because they have low potential energy.

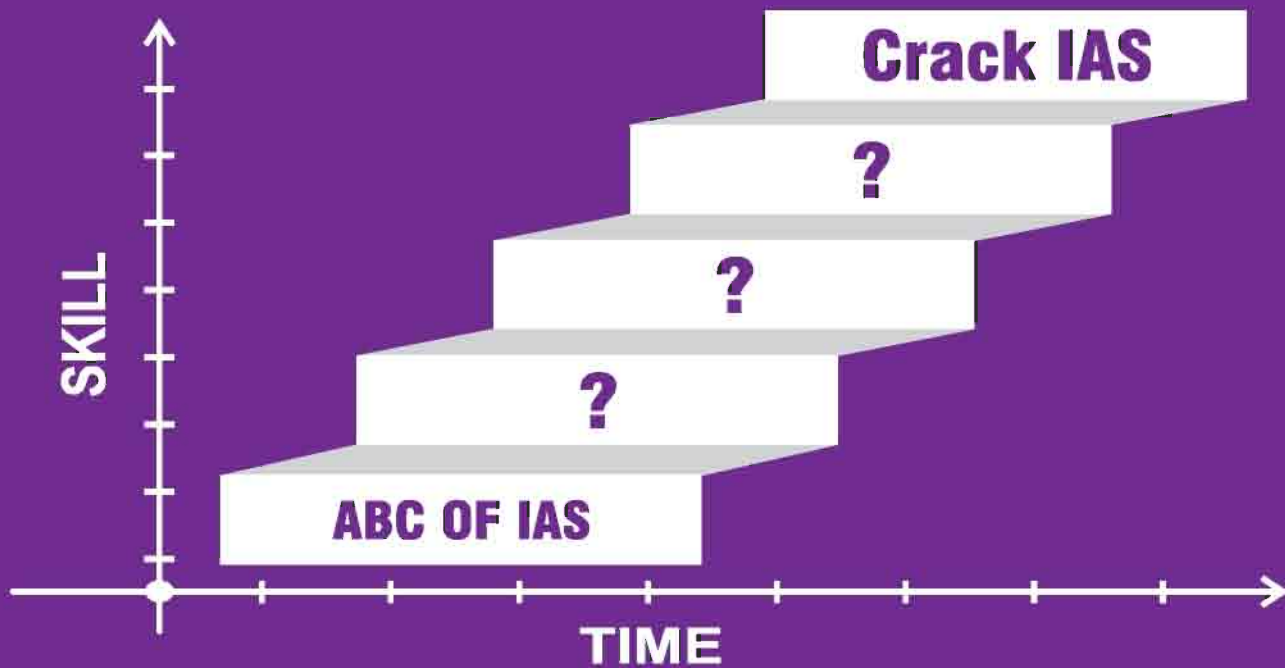
Select the correct statement from the code given below.

- a). Only 1.                      b) Only 2.  
c) Both are correct.        d) None is correct.



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