

Roll No.

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(Write Roll Number from left side exactly as in the Admit Card)

Signature of Invigilators

1. _____
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1315

Question Booklet Series

A

PAPER-II

Question Booklet No.

OMR Sheet No.

(To be filled by the candidate)

Subject Code : 13

GEOGRAPHY

Time : 1 Hour 15 Minutes

Maximum Marks: 100

Instructions for the Candidates

1. Write your Roll Number in the space provided on the top of this page as well as on the OMR Sheet provided.
2. At the commencement of the examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and verify it:
 - (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page.
 - (ii) Faulty booklet, if detected, should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
 - (iii) After this verification is over, the Question Booklet Series and Question Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Question Booklet.
3. This paper consists of fifty (50) multiple-choice type questions. All the questions are compulsory. Each question carries *two* marks.
4. Each Question has four alternative responses marked: **(A)** **(B)** **(C)** **(D)**. You have to darken the circle as indicated below on the correct response against each question.

Example: **(A)** **(B)** **(C)** **(D)**, where **(C)** is the correct response.

5. Your responses to the questions are to be indicated correctly in the OMR Sheet. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated.
6. Rough work is to be done at the end of this booklet.
7. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification.
8. Do not tamper or fold the OMR Sheet in any way. If you do so, your OMR Sheet will not be evaluated.
9. You have to return the Original OMR Sheet to the invigilator at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are, however, allowed to carry question booklet and duplicate copy of OMR Sheet after completion of examination.
10. **Use only Blue/Black Ball point pen.**
11. **Use of any calculator or log table or mobile phone etc. is strictly prohibited.**
12. **There are no negative marks for incorrect answers.**

[Please Turn Over]

GEOGRAPHY

PAPER-II

1. Granites are called acid igneous rocks because of
 - (A) their low pH values.
 - (B) their reaction with acid.
 - (C) their high silica content.
 - (D) predominance of acidic minerals in them.
2. Which among the following is *not* a hotspot?
 - (A) Cocos Island
 - (B) Réunion Island
 - (C) Easter Island
 - (D) Tristan da Cunha Island
3. Panplanes are associated with
 - (A) Planation surfaces
 - (B) Initial stages of pediplanation
 - (C) Slope recession
 - (D) Lateral erosion of rivers
4. Development of pools and riffles are commonly associated with
 - (A) Tidal streams
 - (B) Clay and silt-bed streams
 - (C) Gravel-bed streams
 - (D) Braided streams
5. Eskers are formed by
 - (A) linearly arranged lateral moraines.
 - (B) sub-glacial streams.
 - (C) fluvio-glacial processes in an outwash plain.
 - (D) sudden release of meltwater from moraine dammed lakes.
6. The inner most region of a hurricane is known as an eye where
 - (A) temperature is abnormally high and pressure in the lowest.
 - (B) temperature is abnormally low and pressure is the lowest.
 - (C) sky is clear and temperature is the lowest.
 - (D) sky is under dense cloud cover and pressure is the highest.
7. Much of the contemporary climate change is highly correlated with
 - (A) Emission of green house gases
 - (B) Milankovitch cycle
 - (C) Sun spot cycle
 - (D) Global tectonics
8. Walker circulation refers to the
 - (A) East-west circulation of tropical winds.
 - (B) North-south circulation of tropical winds.
 - (C) East-west circulation of polar winds.
 - (D) North-south circulation of polar winds.
9. The equator is warmer than the poles. Why do the surface winds not blow directly from the poles to the equator?
 - (A) Because the oceans deflect the air flow.
 - (B) Because the hot air rises.
 - (C) Because of the Earth's rotation.
 - (D) Because there are mountain ranges in the way.
10. Collision–Coalescence process of precipitation is applicable to
 - (A) those clouds which do not extend beyond the freezing level.
 - (B) clouds which extend beyond freezing level.
 - (C) all types of clouds.
 - (D) Cumulo-nimbus cloud.
11. The *Rate of Constant Proportions* applies to
 - (A) Sea water
 - (B) Groundwater
 - (C) Reservoir storage
 - (D) Potable water

[Please Turn Over]

12. The Kuroshio is a north flowing ocean current on the west side of the North Pacific Ocean. Which one of the following statement is *not* correct?

- (A) It is similar to the gulf stream in the North Atlantic Ocean.
- (B) It is transporting warm, tropical water northward towards the polar region.
- (C) The warm waters of the Kuroshio current sustain the coral reefs of Japan.
- (D) It begins off the coast of Japan and flows northwards.

13. Shannon-Wiener Index is used to determine

- (A) Stability of ecosystem
- (B) Health of a community
- (C) Nature of habitat
- (D) Diversity of species

14. The Luxuriant growth of natural vegetation in tropical rainforest is due to

- 1. the fertile soil.
- 2. hot and wet climate throughout the year.
- 3. the intense sunlight for photosynthesis.
- 4. seasonal change to facilitate nutrient absorption.

Select correct answer using the codes given below:

- (A) 1 and 4 only
- (B) 2 and 3 only
- (C) 1, 2 and 3 only
- (D) 1, 2, 3 and 4

15. The term Ecological Niche was proposed by

- (A) Walter and Rosen (1985)
- (B) Haeckle (1869)
- (C) Grinnel (1971)
- (D) Norman Myers (1998)

16. Who was the first to recognise the Earth's sphericity among the following?

- (A) Aristotle
- (B) Homer
- (C) Eratosthenes
- (D) Ptolemy

17. Which of the following pairs are correct?

- (i) Blache — Pays
- (ii) Davis — Cycle of erosion
- (iii) Sopher — Geosophy
- (iv) Sauer — Landscape morphology
- (A) i, ii, iii
- (B) ii, iii, iv
- (C) i, ii, iv
- (D) i, iii, iv

18. Gaia hypothesis was proposed by

- (A) Darwin
- (B) Lovelock
- (C) Meadows
- (D) Naess

19. 'There are no necessities, but everywhere possibilities, and man, as master of possibilities, is the judge of their use' is the famous dictum of

- (A) Blache
- (B) Brunhes
- (C) Fleure
- (D) Febvre

20. Who of the following was *not* associated with starting quantitative Revolution in the U. S. A.?

- (A) Garrison
- (B) Harris
- (C) McCarty
- (D) Ullman

21. According to the Demographic Transition Model, the state of declining fertility and continued mortality decline represents the stage of

- (A) High stationary
- (B) Low stationary
- (C) Early expanding
- (D) Late expanding

22. Primary sex ratio is defined as
 (A) ratio of the two sexes at the time of enumeration.
 (B) ratio of the two sexes at the time of birth.
 (C) ratio between the two sexes at the time of conception.
 (D) ratio of two sexes at the time of puberty.

23. The concept that decline in the number of migrants moving long distances is the result of the increasing number of 'intervening opportunities' was propounded by

- (A) E. S. Lee
 (B) E. G. Ravenstein
 (C) S. A. Stouffer
 (D) John Q. Stewart

24. In the 'Overbound City', the administrative area is

- (A) smaller than the physical extent of settled area.
 (B) greater than the area declared as urban area.
 (C) greater than the physical extent of the settlement.
 (D) smaller than the statutory limits of settled areas.

25. In Lösch's variable K hierarchy on Central Place Theory, which value of 'K' is *not* applicable?

- (A) K = 7
 (B) K = 12
 (C) K = 19
 (D) K = 15

26. Consider the following statements:

1. The conventional energy sources are more equitably distributed and environment friendly.
2. The conventional energy will provide more sustained, eco friendly and cheaper energy.

Which of the statements given below is/are correct?

- (A) only 1
 (B) only 2
 (C) both 1 and 2
 (D) neither 1 or 2

27. Globalisation of Indian economy means

- (A) stepping up external borrowing
 (B) establishing Indian units abroad
 (C) having minimum possible restrictions on economic relation with other countries
 (D) giving up programmes of import substitution

28. On the basis of his propositions, Whittlesey divided world's agricultural areas into several agricultural systems like

- (A) Nomadic herding
 (B) Shifting cultivation
 (C) Mediterranean agriculture
 (D) Siberian agriculture

Which one of the systems above is incorrect?

29. From the following list mark the appropriate proponent of the 'Space Equilibrium Theory' on industrial location

- (A) August Lösch
 (B) Tord Palander
 (C) Alfred Weber
 (D) Edgar M. Hoover

30. Who among the following developed the sequential expansion transport network model?

- (A) De Souza and Parter
 (B) Brown and Bracey
 (C) Myrdal, Seers and Rostow
 (D) Taaffe, Mourill and Gould

31. South Africa is an example of

- (A) Fragmented state
 (B) Archipelago state
 (C) Prorupted state
 (D) Perforated state

32. The 'Greater Nagalim' includes which of the following districts of Arunachal Pradesh?

- (A) Tirap and Lohit
 (B) Papum Pare and Changlang
 (C) Changlang and Tirap
 (D) Lohit and Changlang

33. Santhals are the inhabitants of which of the following states?

- (i) Assam
- (ii) Arunachal Pradesh
- (iii) Bihar
- (iv) Jharkhand
- (A) (i), (ii), (iii)
- (B) (i), (ii), (iv)
- (C) (ii), (iii), (iv)
- (D) (i), (iii), (iv)

34. The scheduled castes are mainly concentrated in

- (A) Indo-Gangetic plain
- (B) Himalayan region
- (C) Peninsular India
- (D) North-eastern Hills

35. In 'Primitivism', an Euro-American discourse representing indigenous cultures, which of the following is *not* included?

- (A) South Asia
- (B) South America
- (C) Pacific islands
- (D) Sub-Saharan Africa

36. The current phase of global economic restructuring and competitiveness has changed some important dimensions of economic development like

- (A) Geographic scale
- (B) Industrial organisation
- (C) Economic Inputs
- (D) Economic Vulnerability

Identify the dimension of economic development which is *not* relevant?

37. The models of spatial diffusion are grouped into

- (A) Deterministic models
- (B) Dissemination models
- (C) Stochastic models
- (D) Probabilistic models

Indicate the group of models *not* relevant in this case.

38. The approach which seeks to increase rural productivity, improve the quality of life of the rural population and promote self reliant development is directed to

- (A) Integrated rural development
- (B) Growth centre strategy
- (C) Basic needs approach
- (D) Community development approach

39. The causes of regional economic under-development have been ascribed to factors like

- (A) Lack of natural resources.
- (B) Lack of capital.
- (C) Lack of international interaction.
- (D) Cultural resistance to change.

Which one of the above factors is *not* relevant?

40. The coefficient of localisation measures

- (A) the geographical concentration of industries at a specific point in space.
- (B) the degree of geographical concentration of a given industry.
- (C) the locational weight of the concentrated units of an industry.
- (D) the absolute location factor for concentration of all industries in a geographical area.

41. Which one of the following is *not* a wetland under Ramsar Convention?

- (A) Bhoj lake
- (B) Chilka lake
- (C) Dal lake
- (D) Loktak lake

42. The Agra-Delhi Industrial corridor of India is known for the production of

- (A) Agricultural machinery and engineering goods
- (B) Agricultural machinery and textile goods
- (C) Agricultural machinery and precision instruments
- (D) Chemical products and leather goods

43. Assertion (A): Forest cover in India needs to be increased from 22% to 33% level of the total land.

Reason (R): This will provide enough fuelwood to the rural poor of India.

- (A) Both (A) and (R) are correct and R explains (A).
 (B) Both (A) and (R) are correct but R does not explain (A).
 (C) (A) is correct but (R) is false.
 (D) (R) is correct but (A) is false.

44. Match the following:

List-I

List-II

- | | |
|------------|-------------------------|
| (a) Jarawa | 1. Shifting cultivation |
| (b) Todas | 2. Terraced cultivation |
| (c) Angami | 3. Pastoral activities |
| (d) Saura | 4. Food gathering |

Codes:

	(a)	(b)	(c)	(d)
(A)	3	4	1	2
(B)	4	3	1	2
(C)	4	3	2	1
(D)	3	4	2	1

45. Unlike other parts of the Indian coast, fishing industry has not developed along the Saurashtra coast because

- (A) there are few indentations suitable for fishing.
 (B) of overwhelming dependence on agriculture and animal husbandary.
 (C) the seawater is relatively more saline.
 (D) of industrial development leading to widespread pollution of coastal area.

46. Approximate length of a second of latitude equals

- (A) 67 m
 (B) 52 m
 (C) 30 m
 (D) 26 m

47. Which among the following maps would be best for estimating property loss due to riverbank erosion?

- (A) Compass map
 (B) Cadastral map
 (C) Chorochromatic map
 (D) Isochromatic map

48. Which among the following represent the bands of the IRS LISS-3 sensor?

- (A) Green-Red-NIR-SWIR
 (B) Blue-Green-Red-SWIR
 (C) Blue-Green-Red-NIR
 (D) Red-Green-Blue-IR

49. Among the measures of central tendency, which is least affected by sampling fluctuations?

- (A) Mean
 (B) Median
 (C) Mode
 (D) All of the above

50. The 'component part chart', also called 'band chart', is

- (A) Bar diagram
 (B) Pictorial diagram
 (C) Wheel diagram
 (D) Line diagram

ROUGH WORK

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