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SET 2016

PAPER – III

GEOGRAPHY

170275

Signature of the Invigilator

Question Booklet No. .....

1.

OMR Sheet No.. .....

Subject Code 17 **ROLL No.**

Time Allowed : 150 Minutes **Max. Marks : 150**

No. of pages in this Booklet : **12** No. of Questions : **75**

INSTRUCTIONS FOR CANDIDATES

1. Write your Roll No. and the OMR Sheet No. in the spaces provided on top of this page.
2. Fill in the necessary information in the spaces provided on the OMR response sheet.
3. This booklet consists of seventy five (75) compulsory questions each carrying 2 marks.
4. Examine the question booklet carefully and tally the number of pages/questions in the booklet with the information printed above. **Do not accept a damaged or open booklet**. Damaged or faulty booklet may be got replaced within the first **5** minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time given.
5. Each Question has four alternative responses marked (A), (B), (C) and (D) in the OMR sheet. You have to completely darken the circle indicating the most appropriate response against each item as in the illustration.



6. All entries in the OMR response sheet are to be recorded in the original copy only.
7. Use only Blue/Black Ball point pen.
8. Rough Work is to be done on the blank pages provided at the end of this booklet.
9. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except in the spaces allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, you will render yourself liable to disqualification.
10. You have to return the Original OMR Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. **You are, however, allowed to carry the test booklet and the duplicate copy of OMR Sheet** on conclusion of examination.
11. Use of any calculator, mobile phone or log table etc. is strictly prohibited.
12. **There is no negative marking.**

SEAL

17-16

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PAPER-III
GEOGRAPHY

1. 'P' Waves are :
   (A) Transverse surface waves
   (B) Compressional body waves
   (C) Tensional surface waves
   (D) Shearing body waves

2. Uniformitarianism theory was propounded by :
   (A) James Hutton
   (B) John Playfair
   (C) Charles Lyell
   (D) Dutton

3. Which one of the following is named as 'Bentioff Zone' ?
   (A) Mid-oceanic ridge zone
   (B) Subduction zone
   (C) Transcurrent zone
   (D) Seamount zone

4. What is the correct sequence in the erosion of head land ?
   (A) Headland, Arch, Cave, Stack
   (B) Headland, Stump, Stack, Cave
   (C) Headland, Cliff, Cave, Arch, Stack
   (D) Headland, Stack, Bay, Arch, Stump

5. Ventifacts are associated with :
   (A) Flood plains
   (B) Outwash plains
   (C) Deserts
   (D) Sink plains

6. Match the following List I with List II and select the correct answer from the code given below :

List–I (Type of climate)	List–II (Type of weathering)
a. Semi-Arid	i. Block separation
b. Desert(arid)	ii. Oxidation
c. Wet	iii. Salt crystal growth
d. Cold	iv. Carbonation

Code :

a	b	c	d
(A) iii	ii	iv	i
(B) iii	ii	i	iv
(C) iv	iii	ii	i
(D) iv	ii	iii	i

7. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : River piracy occurs where a tributary with a high gradient rapidly erodes headward

Reason (R) : A 'Wind gap' is the result of river capturing

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)
(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)
(C) (A) is true, but (R) is false
(D) (A) is false but (R) is true

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8. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : The process of exfoliation is more pronounced in basalts.

Reason (R) : Exfoliation is the result of expansion and construction of rocks.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

9. Aurora is a luminous phenomena observed in :

(A) Very high altitudes > 1000 kms

(B) High latitudes

(C) Very low altitudes < 10 kms

(D) Low latitudes

10. Which one of the following is called a 'Hadley cell' ?

(A) Trade wind belt

(B) Westerly wind belt

(C) Polar Easterly belt

(D) Polar Front belt

11. Consider the following statements and select the correct answer using the code given below :

a. In tropical cyclones air is essentially homogeneous

b. Tropical cyclones have no fronts

c. There is abundance of water vapor in tropical cyclones

d. The cyclonic motion in tropical cyclones begins with slow motion

(A) a, b and c are correct

(B) a, c and d are correct

(C) b, c and d are correct

(D) a, b, c and d are correct

12. Greenhouse effect refers to :

(A) Ability of atmosphere to retain water vapor

(B) Ability of certain atmospheric gases to trap heat and keep the planet relatively warm

(C) Ability of cloud to scatter electromagnetic radiation

(D) Ability of atmospheric dust particles to scatter diffused light

13. Match the following List I with List II and select the correct answer from the code given below :

List–I (Gases)	**List –II** (Sources)
a. Carbon dioxide	i. Complete combustion of fuel
b. Carbon monoxide	ii. Organic processes
c. Methane	iii. Photochemical reaction
d. Ozone	iv. Incomplete combustion of fuel

Code :

	a	b	c	d
(A)	i	iv	ii	iii
(B)	i	iv	iii	ii
(C)	iv	iii	ii	i
(D)	iv	iii	i	ii

14. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : The Mediterranean type of climate is not found in South Africa.

Reason (R) : It is suited to fruits, nuts and vegetables.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

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15. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : Temperature at which a given mass of air becomes saturated is termed the Dew-Point temperature.

Reason (R) : Air is saturated when the dew point temperature and the air temperature are the same.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

16. Sargasso sea is located in :

(A) North Atlantic

(B) South Atlantic

(C) North Pacific

(D) South Pacific

17. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A): Cold ocean current washes the western margins of the continents.

Reason (R) : Deserts are found along the western margins of the continents.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

18. Wyville - Thomson Ridge is located :

(A) North Atlantic

(B) South Atlantic

(C) North pacific

(D) South Indian ocean

19. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : The rate of decrease in temperature with increasing depth is not uniform from equator to poles.

Reason (R) : A layer of cold water is formed by the melting of polar ice is found near the surface.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

20. Match the following List I with List II and select the correct answer from the code given below :

List–I	**List–II**
a. Omnivores	i. Consumers of plant and animals
b. Herbivores	ii. Consumers of green plants
c. Carnivores	iii. Consumers of animals
d. Detrivores	iv. Consumers of leftover organic matter

Code :

	a	b	c	d
(A)	i	ii	iii	iv
(B)	ii	iii	iv	i
(C)	iii	ii	i	iv
(D)	iv	i	iii	ii

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21. The biome which is a transitional zone between forest and grass land biome is :

(A) Savanna

(B) Desert

(C) Forest

(D) Tropics in Grassland

22. Inter governmental panel on climate change was held in the _____ year.

(A) 1988

(B) 1992

(C) 1997

(D) 2000

23. Greenhouse gases are :

i. Carbon dioxide

ii. Methane

iii. Nitrous oxide

(A) i ii

(B) i ii iii

(C) i

(D) i iii

24. _____ asserted that Geographical factor in history means reconstructing the Geography of past period as a part of the necessary context within which the flow of history may be better understood.

(A) Whittlesey and East

(B) Ritter and Humboldt

(C) Ritter and Ratzel

(D) Ratzel and Mackinder

25. Which of the following were objectives of the quantitative revolution in geography?

1. To get rid of deterministic thinking
2. To make Geography more scientific
3. To make Geographical study more precise and accurate
4. Formulation of models and theories

(A) 1, 2 and 3

(B) 1, 2 and 4

(C) 2, 3 and 4

(D) 1, 3 and 4

26. The economic laws are not eternal laws of nature they are like historical laws which appear and disappear. Whose words are these ?

(A) Engels

(B) Ratzel

(C) Kirk

(D) Blasche

27. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : According to determinists people living in similar environment manifest similar social, economic and historical development.

Reason (R) : Every aspect of man's life mirrors the influences of the physical environment of his habitat.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

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28. _____ Geography deals with the existing patterns of spatial differentiation of phenomena.
(A) Historical
(B) Contemporary
(C) Physical
(D) Regional

29. Man shapes as well as responds to his environment and that man and environment are dynamically interrelated, whose philosophy is this :
(A) Behaviouralism
(B) Marxism
(C) Post Modernism
(D) Possiblism

30. Match the following List I with List II and select the correct answer from the code given below :

List–I	List–II
a. Behaviouralism	i. Yi Fu Tuan
b. Areal differentiation	ii. Hagget
c. Humanistic Geography	iii. Hartshorne
d. Locational analysis	iv. W. Kirk

Code :

	a	b	c	d
(A)	ii	iii	iv	i
(B)	iv	iii	i	ii
(C)	iii	iv	i	ii
(D)	ii	iv	iii	i

31. In Demographic transition model one can understand that two of its stages have slow population growth and they are :
(A) Stage 2 and Stage 4
(B) Stage 1 and Stage 4
(C) Stage 2 and Stage 3
(D) Stage 3 and Stage 4

32. In the relation to human migration which of the following is a correct statement?
(A) Push factors are those which operate in area of hazard prone areas.
(B) Push factors are those which operate in area of in migration.
(C) Push factors are those which are found only in good agricultural areas.
(D) Push factors are those which operate in drought prone areas.

33. The most highly populated region in Brazil is the :
(A) South
(B) South-East
(C) North-East
(D) North

34. Which of the following pairs is not correctly matched ?
(A) Thompson and Noteistein-Demographic Transition Theory
(B) Ullman and Harris- Multiple Nuclei Model
(C) Reilly- Urban Planning index
(D) Dickinson-Concept of City region

35. Which principle applies K=4 in the hierarchy of Central place as per Christaller's Central Place theory?
(A) Market
(B) Administrative
(C) Transport
(D) Market cum Administrative

36. Both Ulaanbaatar in Mongolia and Lagos in Nigeria are examples of :
(A) Edge Cities
(B) Post Industrial Cities
(C) Exclaves
(D) Primate Cities

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37. Given below are two Statements, one labelled as Assertion (A) and other labelled as Reason (R). Select your answers from the code given below :

Assertion (A) : Out- migration results in increase in employment opportunities and wage rates but a loss in investment.

Reason (R) : Generally young people migrate and out migration areas have lower number of young adults relative to the number of children and aged people.

Code :

(A) Both (A) and (R) are true and (R) is the correct explanation of (A)

(B) Both (A) and (R) are true but (R) is not the correct explanation of (A)

(C) (A) is true but (R) is false

(D) (R) is true but (A) is false

38. In the transport costs of least cost theory which of the following is the most important factor :

(A) Collection of raw materials and the distribution of finished products

(B) Manufacturing of goods

(C) Market availability

(D) Location of the site

39. Which is the dominant activity in the far North of Asia ?

(A) Farming

(B) Hunting and fishing

(C) Lumbering

(D) Manufacturing

40. Match the following List I with List II and select the correct answer from the code given below :

	List–I		List–II
a.	Demersal fish	i	Salmon
b.	Pelagic fish	ii	Cod
c.	Shoal fish	iii	Sardine
d.	Anadromours fish	iv	Herring

Code :

	a	b	c	d
(A)	ii	iii	iv	i
(B)	ii	iii	i	iv
(C)	ii	i	iii	iv
(D)	iv	iii	i	ii

41. What makes fishing an important occupation of mid latitudes ?

(A) People's food habits

(B) Higher standards of living

(C) Suitability of environment

(D) International laws

42. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : Aluminium plants are located where raw materials are easily available

Reason (R) : It is a weight loosing industry.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

43. A typical area of commercial grain farming :

(A) North Indian plains

(B) North American prairies

(C) African Savannas

(D) Equatorial region

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44. A major manganese producer of the world is :
(A) Chiatura
(B) Poti
(C) Batuni
(D) Shanghai

45. Which one of the following is the most important basis of the Whittlesey's classification of agriculture of the world?
(A) Functioning forms of agriculture
(B) Distribution of climatic element
(C) Forms of livestock grazing activities
(D) Regional distribution of the principal crops and animals of commercial significance

46. Which of the following significantly weakened the strength of 'Mackinder's Geopolitical heartland theory' ?
(A) Growth of Soviet power in the Eastern Europe
(B) Influence of Eurasia in world affairs
(C) Ascendance of the United States international influence after World War-ll
(D) Existence of a Pivot area

47. A Primary differentiation between a State and a Nation is that a State is a :
(A) Political abstract, where a nation is a human group
(B) Fixed geographic item, whereas nation is not linked to a territory
(C) Product of history, whereas nation is a product of People
(D) Controversial issue, whereas a nation is more Peaceful

48. Name the most accurate method of dating human fossils :
(A) Pollen analysis
(B) Sediment dating
(C) Carbon dating
(D) DNA dating

49. The Middle East's designation as a "Cultural Crossroads"developed primarily as a result of the region's :
(A) Religious Unity
(B) Political Stability
(C) Geographic Location
(D) Economic Development

50. Match List-1 with List-2 and select the correct answer from the code given below :

List-1 (Tribe)	List-2 (Region/Country)
a. Hottentot	i. Sileria
b. Inuit	ii. Libya
c. Berber	iii. Canada
d. Yakut	iv. South Africa

Code :

	a	b	c	d
(A)	iv	ii	iii	i
(B)	i	iii	ii	iv
(C)	iv	iii	ii	i
(D)	i	ii	iii	iv

51. The Present day spatial distribution of Buddhism is best described as :
(A) Tibet, India, Japan, Middle-East
(B) Northern India, China, South-East Asia
(C) China, Tibet, Siberia, Korea
(D) South-East Asia, Tibet, China, Mongolia, Japan

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52. Recently India exchanged 'enclaves' as part of land boundary agreement with :

(A) Nepal

(B) Bangladesh

(C) Myanmar

(D) China

53. Match List-1 with List-2 and select the correct answer from the code given below :

List-1 (Regions)		List-2 (Type)
a.	Regur zone	i. Formal
b.	Mumbai Metropolitan region	ii. Resource
c.	Madhumalai	iii Planning
d.	Uttarakhand	iv Administrative

Code :

	a	b	c	d
(A)	i	ii	iii	iv
(B)	i	iii	iv	ii
(C)	i	iii	ii	iv
(D)	iv	iii	ii	i

54. Rapid Industrialization is the basic objective of India's :

(A) Second Five Year Plan

(B) Third Five Year Plan

(C) Fourth Five Year Plan

(D) Fifth Five Year Plan

55. OECD stands for :

(A) Organization for Environment Cooperation and Development

(B) Open Economies Caucus on Development

(C) Oil Exporting Countries Development

(D) Organization for Economic Cooperation and Development

56. Which of the following is not a requirement for economic development?

(A) Technological advance

(B) An adequate capital base

(C) Temperate climate

(D) Natural resources

57. Decentralised planning on the basis of Panchayati Raj Institutions was recommended by :

(A) Ashok Mehta Committee

(B) Balwantray Mehta Committee

(C) P.C. Mahalnobi's Committee

(D) M.C. Fotedar Committee

58. "Unit area" approach was first adopted in/by :

(A) Land use survey in Britain

(B) Tennesee Valley Authority

(C) Damodar Valley Authority

(D) Land Utilisation in China

59. The NCR plan is for :

(A) Delhi

(B) Mumbai

(C) Kolkata

(D) Nagpur

60. The Bedouins are :

(A) Hunters of Kalahari

(B) Gatherers of Zaire

(C) Nomads of Sahara

(D) Traders of East-Africa

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61. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :

Assertion (A) : River Indus is an antecedent river.

Reason (R) : It flows in a very deep gorge.

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

62. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below.

Assertion (A) : The golden quadrilateral comprising the national highways connecting 4 large cities.

Reason (R) : The four largest cities i.e. Delhi, Mumbai, Kolkata and Chennai are connected by the golden quadrilateral

Code :

(A) Both (A) and (R) are true and (R) is correct explanation of (A)

(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)

(C) (A) is true, but (R) is false

(D) (A) is false but (R) is true

63. The correct sequence from North to South for tributaries of India is :

(A) Jhelum, Chenab, Ravi, Sutlej

(B) Jhelum, Sutlej, Chenab, Ravi

(C) Jhelum, Chenab, Sutlej, Ravi

(D) Sutlej, Ravi, Chenab, Jhelum

64. The natural vegetation found along the western side of western ghats is forest :

(A) Tropical wet evergreen

(B) Tropical moist deciduous

(C) Tropical dry deciduous

(D) Tropical thorn

65. Match the following List I with List II and select the correct answer from the code given below :

	List–I	**List–II**
a.	Tata iron and steel co.	i. Vishakhapatnam
b.	The Indian iron and steel co.	ii. Jamshedpur
c.	The Visyevaraya iron and steel co.	iii. Burnpur
d.	Vishakhapatnam steel plant	iv. Bhadravati

Code :

	a	b	c	d
(A)	ii	iii	iv	i
(B)	i	iv	iii	ii
(C)	iv	iii	ii	i
(D)	iv	iii	i	ii

66. Match the following List I with List II and select the correct answer from the code given below :

	List–I	**List–II**
a.	Korba	i. Gujarat
b.	Talcher	ii. Madhya Pradesh
c.	Neyveli	iii. Orissa
d.	Ukai	iv. Tamil Nadu

Code :

	a	b	c	d
(A)	i	iv	ii	iii
(B)	i	iv	iii	ii
(C)	iv	iii	ii	i
(D)	ii	iii	iv	i

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67. Which port was developed to reduce the congestion at Kolkata port ?
(A) Nhavaseva port
(B) Paradip
(C) Vishakhapatnam
(D) Haldia

68. On infra red colour photograph vegetation will appear in _____ colour.
(A) Dark green
(B) Light green
(C) Red
(D) Yellow

69. What is not true about vertical photographs ?
i. Tilt angle will not be there or will be less than 3°
ii. They are used for mapping purpose
iii. Scale remains uniform throughout the photograph
(A) i and ii only
(B) only iii
(C) only ii
(D) i, ii and iii

70. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your answer from the code given below :
Assertion (A): IRS is a sun geosynchronous satellite.
Reason (R): Sun - synchronous satellite fly at an altitude of 700-900 kms.
Code :
(A) Both (A) and (R) are true and (R) is correct explanation of (A)
(B) Both (A) and (R) are true, but (R) is not correct explanation of (A)
(C) (A) is true, but (R) is false
(D) (A) is false but (R) is true

71. Which among the following are measures of dispersion ?
(A) Mean, standard deviation
(B) Variance, standard deviation
(C) Variance, correlation
(D) Standard deviation, mode

72. In nearest neighbor analysis, when Rn value is 2.0, it indicates :
(A) Distribution is clustered
(B) Distribution is random
(C) Distribution is tending towards clustering
(D) Distribution is tending towards regularity

73. Flow maps are used to map :
(A) Location specific data
(B) Spatial patterns of distribution
(C) Movement of goods and commodities
(D) Elevational zones

74. Match the following List I with List II and select the correct answer from the code given below :

List–I (GIS Software)	**List–II** (Developer)
a. Arc Info	i. Clark labs
b. Auto CAD map	ii. ESRI
c. Geomedia	iii. Auto desk
d. Idrisi	iv. Intergraph

Code :

	a	b	c	d
(A)	i	iv	ii	iii
(B)	ii	iii	iv	i
(C)	iv	iii	ii	i
(D)	iv	iii	i	ii

75. Size of pixel is related to _____ resolution of satellite.
(A) Temporal
(B) Spatial
(C) Spectral
(D) Radiometric

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