

P - II (1+1+1) H / 19 (N)

2019

GEOGRAPHY (Honours)

Paper Code : III-A

[New Syllabus]

Full Marks : 50

Time : One hour

**Important Instructions
for Multiple Choice Question (MCQ)**

- Write Subject Name and Code, Registration number, Session and Roll number in the space provided on the Answer Script.

Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

Subject Code :

III	A	&	B
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Subject Name :

- Candidates are required to attempt all questions (MCQ). Below each question, four alternatives are given [i.e. (A), (B), (C), (D)]. Only one of these alternatives is 'CORRECT' answer. The candidate has to write the Correct Alternative [i.e. (A)/(B)/(C)/(D)] against each Question No. in the Answer Script.

Example — If alternative A of 1 is correct, then write :

1. — A

- There is no negative marking for wrong answer.
- No student will be allowed to leave the examination hall before completion of the examination.
- Using abusive language or employing any other unfair means, he/she will render himself/herself liable to disqualify.
- Use of any mobile phone, calculator or log table etc. in the examination hall is prohibited, except specially instructed in the question paper.

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মাল্টিপল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

- উত্তরপত্রে নির্দেশিত স্থানে বিষয়ের (Subject) নাম এবং কোড, রেজিস্ট্রেশন নম্বর, সেশন এবং রোল নম্বর লিখতে হবে।

উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

Subject Code :

III	A	&	B
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Subject Name :

- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A)/(B)/(C)/(D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

উদাহরণ — যদি 1 নম্বর প্রশ্নের সঠিক উত্তর A হয় তবে লিখতে হবে :

1. — A

- ভুল উত্তরের জন্য কোন নেগেটিভ মার্কিং নেই।
- কোন অবস্থাতেই পরীক্ষার্থীকে পরীক্ষাচলাকালীন পরীক্ষাকেন্দ্রের বাইরে যাওয়ার অনুমতি দেওয়া যাবে না।
- অবাঞ্ছিত কোন শব্দ ব্যবহার করা অথবা অবৈধ কোনো কাজকর্মে লিপ্ত থাকলে ছাত্র/ছাত্রী তার পরীক্ষা বাতিলের জন্য নিজেই দায়ী থাকবে।
- প্রশ্নপত্রে নির্দেশিত বিশেষ নির্দেশ ছাড়া পরীক্ষাকক্ষে মোবাইল ফোন, ক্যালকুলেটর অথবা লগ-টেবিল ইত্যাদি ব্যবহার নিষিদ্ধ।

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(2)

Choose the correct answer.

Each question carries 1 mark.

1. The atmosphere is a mixture of various —

- (A) Gases
- (B) Chemicals
- (C) Inert Gases
- (D) Elements

2. Atmospheric pressure at sea level is —

- (A) 1013 mb
- (B) 1034 mb
- (C) 1033 mb
- (D) 1038 mb

3. Greatest concentration of ozone are found between —

- (A) 20-25 km
- (B) 27-35 km
- (C) 35-40 km
- (D) 10-15 km

4. The term troposphere means —

- (A) Region of mixing and turbulence
- (B) Region of distribution
- (C) Region of chaos
- (D) Region of calm

5. Mother of Pearl clouds are seen occasionally in —

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Stratopause

6. Dry adiabatic rate is —

- (A) 10°C/km
- (B) 12°C/km
- (C) 25°C/km
- (D) 30°C/km

Turn Over

7. Argon composition in dry air is —

- (A) 0.90%
- (B) 0.93%
- (C) 0.95%
- (D) 0.97%

8. Upper air inversion of temperature is found in —

- (A) Troposphere
- (B) Ozonosphere
- (C) Mesosphere
- (D) None of the above

9. Koppen's 'A' type of climatic zone is —

- (A) Humid tropical climate
- (B) Dry climate
- (C) Humid mesothermal climate
- (D) Polar climate

10. Ice crystal theory was given by —

- (A) E. G. Bonen
- (B) V. Bjerknes
- (C) G. Trewartha
- (D) Tor Bergeron

11. Difference between moisture holding capacity of air and its actual humidity is referred to as —

- (A) Saturation deficit
- (B) Saturation deficiency
- (C) Saturation shortfall
- (D) Saturation shortage

12. Which of the following is not a tertiary activity?

- (A) Trade and Commerce
- (B) Quarrying
- (C) Retailing
- (D) Services

13. Cryolite is an example of —

- (A) Ubiquitous resource
- (B) Localised resource
- (C) Unique resource
- (D) Rare resource

14. Anthracite is a part of —

- (A) Iron ore
- (B) Aluminium
- (C) Coal
- (D) Hydel power

Turn Over

15. Srisaillam hydel power station is situated on —

- (A) R. Godavari
- (B) R. Krishna
- (C) R. Tungabhadra
- (D) R. Kaveri

16. Orange Pekoe is a type of —

- (A) Orthodox tea
- (B) Green tea
- (C) Black tea
- (D) Oolong tea

17. Photo-voltic cell is also known as —

- (A) Silicon Solar Cell
- (B) Copper Solar Cell
- (C) Iron Solar Cell
- (D) Fibre Solar Cell

18. The definition that region is a “differentiated segment of earth space” was given by —

- (A) J. N. L. Baker
- (B) D. Whittlesey
- (C) Hartshorne
- (D) Hettner

19. Which of the following has not been suggested as a type of planning region by Mishra (1969) —

- (A) Metropolitan City Region
- (B) River Valley Region
- (C) Ad-hoc Region
- (D) Axial development Region

20. The three tiers of Panchayati System in West Bengal are —

- (A) Gram Panchayat, Panchayat Parishad, Zilla Samiti
- (B) Gram Parishad, Zilla Parishad, Panchayat Samiti
- (C) Gram Panchayat, Panchayat Samiti, Zilla Parishad
- (D) None of the above

Turn Over

21. Planning Commission of India has been replaced by a policy forming body at central level in India (formed in 2015) named —

- (A) Niti Udyog
- (B) Niti Sabha
- (C) Niti Adhar
- (D) Niti Aayog

22. Growth pole theory was given by persons in the year —

- (A) 1962
- (B) 1964
- (C) 1965
- (D) 1960

23. The HDI Rank of India as per 2017 HDR is —

- (A) 127
- (B) 126
- (C) 130
- (D) 138

24. The scheme TRYSEM was launched in —

- (A) 1979
- (B) 1978
- (C) 1980
- (D) 1975

25. Human Development Report is published by —

- (A) UNDP
- (B) UNFCC
- (C) UNO
- (D) WHO

26. Kennelly-Heaviside layer is known as —

- (A) D-layer
- (B) F-layer
- (C) E-layer
- (D) Sporadic E-layer

27. Maximum amount of insolation received at the surface of the earth on —

- (A) 22 May
- (B) 21 June
- (C) 23 April
- (D) 21 May

28. Factors affecting distribution of insolation —

- (A) Angle of incidence
- (B) Duration of Sunshine
- (C) Solar constant
- (D) All of the above

29. Astronomical twilight lasts till the sun has sunk below —

- (A) 12°
- (B) 18°
- (C) 6°
- (D) 19°

30. Albedo of which surface is highest —

- (A) Fresh Snow
- (B) Old Snow
- (C) Dry earth
- (D) Wet earth

31. Horizontal transport of heat in atmosphere is known as —

- (A) Convection
- (B) Conduction
- (C) Advection
- (D) Radiation

32. Earth while radiating heat behaves as —

- (A) White body
- (B) Black body
- (C) Brown body
- (D) Red body

33. 1973 MONEX was organised jointly by —

- (A) Soviet Union & India
- (B) Germany & India
- (C) USA & India
- (D) UK & India

34. Warm dry and gusty winds on northern side of Alps in Switzerland is known as —

- (A) Foehn
- (B) Chinook
- (C) Santa-Ana
- (D) Simoon

35. R. P. Mishra, the writer is famous for —

- (A) Climatology
- (B) Resource Geography
- (C) Regional Planning
- (D) None of the above

Turn Over

36. 'Isanomals' are lines drawn on world map joining places having same —

- (A) Pressure
- (B) Thermal Anomaly
- (C) Temperature
- (D) Rainfall

37. KMDA is the Planning and Development body for which city?

- (A) Kallam
- (B) Kolkata
- (C) Kanpur
- (D) Kakinada

38. Book named 'Fundamentals of Ecology' is written by —

- (A) Chapman
- (B) Tansley
- (C) Odum
- (D) Darwin

39. Biosphere reserve in West Bengal is —

- (A) Jaldapara
- (B) Bauxa
- (C) Gorumara
- (D) Sunderban

Turn Over

40. World Environment Day is celebrated on —

- (A) 19th April
- (B) 5th June
- (C) 30th June
- (D) 28th February

41. Soil Separates is alternatively known as —

- (A) Soil Texture
- (B) Soil Structure
- (C) Soil Porosity
- (D) Soil Permeability

42. Red data book is prepared by —

- (A) IUCN
- (B) UNFCC
- (C) ASI
- (D) SOI

43. Silent valley is located in —

- (A) Karnataka
- (B) Kerala
- (C) Tamil Nadu
- (D) Andhra Pradesh

44. 'Selve' is found in —

- (A) Europe
- (B) India
- (C) Brazil
- (D) Australia

45. Flow of atomic particles from sun are known as —

- (A) Atomic wind
- (B) Solar wind
- (C) Sun wind
- (D) All of the above

46. Alluvial soil are type of —

- (A) Zonal Soil
- (B) Azonal Soil
- (C) Intrazonal Soil
- (D) None of the above

47. Scientific study of soil is known as —

- (A) Pedology
- (B) Pedagenesis
- (C) Pedagogy
- (D) None of the above

48. Soil is considered acidic when hydrogen ion concentration is below —

- (A) 7
- (B) 8
- (C) 10
- (D) 14

49. Coal found in Warda valley is —

- (A) Gondwana coal
- (B) Tertiary coal
- (C) Peat
- (D) None of the above

50. The 1st Nuclear Power plant was located in —

- (A) Kakrapara
- (B) Rawatbhata
- (C) Kundakulam
- (D) Tarapur

Turn Over

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2019

GEOGRAPHY (Honours)

Paper : III-B

[New Syllabus]

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

Group - A

[Economic Geography]

Section - I

Answer any *one* question. 10×1=10

1. Justify from the standpoint of the geography of resources why 'forest' is considered as 'resource'. Discuss the environmental significance of forest. 5+5=10

2. Give an account of distribution of Petrochemical Industry in India. Discuss the Problems of this industry in India. 6+4=10

Section - II

Answer any *four* questions. 5×4=20

3. Give a brief note on the functional theory of resource. 5

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4. How does the recycling of non-renewable resources contribute to the resource conservation strategies — note with examples. 5

5. Why 'land' is considered as resource? Explain. 5

6. What do you understand by resource perception? 5

7. Discuss the future prospect of solar energy in India? 5

8. Justify the validity of Weberian concept of industrial location on the decentralization of Cotton Textile industry in Southern India. 5

9. Elucidate the importance of transport and communication for economic development in a region. 5

10. Note the basic characteristics of the intensive rice cultivation in Asia. 5

Group - B

[Region, Regional Planning and Development]

Section - I

Answer any *one* question. 10×1=10

11. What do you mean by 'Planning Region'? Discuss the scheme of Regionalization in India as postulated by R. L. Singh. 3+7=10

(3)

12. Discuss the growth pole theory of economic growth and justify its applicability in the urban industrial landscape in India. 6+4=10

Section - II

Answer any *two* questions. 5×2=10

13. How is the classical gravity model is used to delineate the functional region? 5

14. How is the UNDP Human Development Index (HDI) calculated? 5

15. How does the regional imbalance affect the social and economic development mechanism in India? 5

16. Write down the advantages and disadvantages of decentralized planning with Indian reference. 5

P- II (1+1+1)H/19(N)

2019

GEOGRAPHY (Honours)

Paper : III-C

[New Syllabus]

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

CLIMATOLOGY

Section - I

Answer any *one* question. 10×1=10

1. Explain the factors contributing global warming. Discuss the major impacts of global warming on agriculture and coastal zone. 6+(2+2)=10

2. Critically examine the basis and scheme of climatic classification proposed by Koppen. Highlight the major drawbacks of climatic classification proposed by Koppen. 8+2=10

Section - II

Answer any *four* questions. 5×4=20

3. What is EMR? Discuss the factors affecting insolation. 1+4=5

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(2)

4. Write a short note on latitudinal heat balance. 5
5. What is latent heat? How is it involved with the changing phase of water? 1+4=5
6. Discuss how frontogenesis involves in weather instability. 5
7. Discuss the impact of ionosphere on global climate. 5
8. Discuss the mechanism of development and intensification of tropical cyclone. 5
9. Explain the significance of jet stream in the modification of regional weather conditions. 5
10. Discuss the cloud instability theory for formation of precipitation. 5

SOIL AND BIOGEOGRAPHY

Section - III

Answer any *one* question. 10×1=10

11. Discuss the formation and salient features of laterite soil with special reference to India. 10
12. What is food chain? Mention various kind of trophic levels of food chain. Discuss the functional relationship between different trophic levels. 1+3+6=10

(3)

Section - IV

Answer any *two* questions. $5 \times 2 = 10$

13. Explain the role of parent material and aspect of slope in soil formation. $3+2=5$

14. Write a short note on epipedon. 5

15. Describe carbon cycle. How have human activities impacted carbon cycle? $3+2=5$

16. Describe riverine wetland. Explain its significance. $2\frac{1}{2}+2\frac{1}{2}=5$
