

P - II (1+1+1) H / 18 (N)

2018

**GEOGRAPHY (Honours)****Paper Code : III-A****[New Syllabus]**

Full Marks : 50

Time : One hour

**Important Instructions for OMR Sheet**

1. Write / Fill your correct Subject Name, Subject Code & Paper Code in the space provided on the top of the OMR sheet (Subject Codes are given on the back of the OMR sheet & Paper Code in the Question Paper.)
2. Write / Fill your Name, Roll number, Registration number, Regn. Session, Exam Date and Exam Session in the space provided on the OMR Sheet.
3. Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.
4. Your responses to the items are to be indicated in the OMR Sheet given inside the Paper Booklet only. If you mark at any place other than in the circle in the OMR Sheet, it will not be evaluated.
5. If you write your Phone Number in the OMR Sheet or use abusive language or employ any other unfair means, you will render yourself liable to disqualification.
6. You have to return the OMR Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall.
7. Use only Blue/Black Ball point pen. Use of any mobile phone, calculator or log table etc. in examination hall, is prohibited.

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**OMR Sheet-এর জন্য জরুরী নির্দেশাবলী**

- ১। OMR Sheet এর নির্দেশিত স্থানে সঠিক Subject Name, Subject Code এবং Paper Code লিখতে/পূরণ করতে হবে। OMR Sheet এর পিছনের পাতায় Subject Code গুলি দেওয়া আছে এবং Paper Code টি প্রশ্নপত্রে উল্লেখ আছে।
- ২। OMR Sheet এর নির্দেশিত স্থানে Name, Roll number, Registration number, Regn. Session, Exam date এবং Exam Session লিখতে/পূরণ করতে হবে।
- ৩। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে সঠিক উত্তরের গোল ঘরটি নীল/কালো কালিতে পূরণ করতে হবে।
- ৪। সঠিক উত্তর কেবলমাত্র উত্তর পত্র অর্থাৎ OMR Sheet-এর নির্দিষ্ট স্থানে গোল ঘর পূরণ করেই দিতে হবে। অন্য কোনো উপায়ে দেওয়া উত্তরের মূল্যায়ন হবে না।
- ৫। পরীক্ষার্থীর ফোন নম্বর OMR Sheet এর কোনো অংশে লেখা যাবে না। কোনোরূপ অবাঞ্ছিত শব্দ লেখা বা দুর্নীতির আশ্রয় নিলে পরীক্ষার্থী নিজেই তার জন্য দায়ী থাকবে।
- ৬। পরীক্ষা শেষে উত্তর পত্র (OMR Sheet) সংশ্লিষ্ট তত্ত্বাবধায়কের নিকট জমা দিয়ে পরীক্ষা কেন্দ্রের বাইরে বেরোতে হবে এবং কোনোভাবেই পরীক্ষা কেন্দ্রের বাইরে OMR Sheet টি আনা যাবে না।
- ৭। শুধুমাত্র নীল/কালো বল পয়েন্ট কলম ব্যবহার করতে হবে। পরীক্ষাকক্ষে মোবাইল ফোন, ক্যালকুলেটর অথবা লগ-টেবিল ইত্যাদি ব্যবহার নিষিদ্ধ।

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Answer *all* the questions in OMR sheet.

Choose the correct answer.

Each question carries 1 mark.

1. Match the following :

- |                       |                 |
|-----------------------|-----------------|
| a. Primary sector     | i. Service      |
| b. Secondary sector   | ii. Agriculture |
| c. Tertiary sector    | iii. Industry   |
| d. Quarternary sector | iv. Business    |

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

2. Which type of rubber provides the best commercial rubber?

- (A) Havea or para rubber
- (B) Ciara
- (C) Land lopita
- (D) Castillo

Turn Over

3. What do you mean by the term 'monoculture'?

- (A) In it two crops a year are produced
- (B) In it at least four crops per year are produced
- (C) In it a single crop is produced
- (D) None of these

4. Sparrow point is famous for —

- (A) Steel industry
- (B) Aluminium industry
- (C) Heavy engineering industry
- (D) None of the above

5. Transport system model was prepared by —

- (A) Ritter
- (B) Carl Osouer
- (C) E. L. Ullman
- (D) Ratzel

6. Mineral fuels are found in one of the following types of rocks —

- (A) Sedimentary
- (B) Igneous
- (C) Metamorphic
- (D) Intensive igneous

7. The latest iron and steel plant in the public sector is —

- (A) Salem
- (B) Bokaro
- (C) Bhilai
- (D) Vishakhapatnam

8. The country which specialises in cultivation of flower is —

- (A) Germany
- (B) France
- (C) Netherlands
- (D) Spain

9. Choose among the following options the best example of 'primary industry'.

- (A) Sugar
- (B) Lumbering
- (C) Paper
- (D) All of these

*Turn Over*

10. Noctilucent clouds are observed on summer nights over the high altitudes the atmospheric layer —

- (A) Mesosphere
- (B) Stratosphere
- (C) Thermosphere
- (D) Magnetosphere

11. Extra-tropical cyclone have —

- (A) Eye
- (B) Fronts
- (C) Diverging winds
- (D) None of the above

12. Jet stream is a —

- (A) Periodic wind
- (B) Local wind
- (C) Warm current
- (D) Upper air westerlies

13. An adiabatic change of temperature is caused by —

- (A) Expansion or compression of an air parcel
- (B) Horizontal movement of an air parcel
- (C) Increase in moisture content of an air parcel
- (D) None of these

14. ENSO event stands for —
- (A) El Nino surface oscillation
  - (B) El Nino sub-tropical oscillation
  - (C) El Nino Southern Oscillation
  - (D) El Nino Sea Oscillation
15. The Mediterranean region receives rainfall —
- (A) By convection in summer
  - (B) From westerlies in winter
  - (C) From trade winds in winter
  - (D) From trade winds in summer
16. Wind in the southern hemisphere is deflected towards left —
- (A) Due to physical barrier
  - (B) Due to heating
  - (C) Due to temperature
  - (D) Due to rotation of the earth

*Turn Over*

17. Assertion (A) : Only a minute portion of solar radiation is intercepted by the earth.
- Reason (R) : Other planets are obstructing the path of sun's rays
- (A) A is true but R is false
  - (B) Both A and R are correct but R does not explain A
  - (C) A is false but R is true
  - (D) Both A and R are correct and R explain A
18. Smaze is a type of —
- (A) Atmospheric disturbance
  - (B) Fog which is an admixture of smoke and haze
  - (C) Frost
  - (D) Precipitation
19. The most important source for latent heat of evaporation is —
- (A) Cloud
  - (B) Fog
  - (C) Atmosphere
  - (D) Ocean

20. Which type of rains on the slopes of the 'Western Ghats' is observed —

- (A) Conventional
- (B) Orographic
- (C) Cyclonic
- (D) None

21. In winter the North-West part of India receives winter rain due to —

- (A) Global climatic change
- (B) Local climatic hazard
- (C) Westerly weather disturbances
- (D) Human induced disturbances

22. Arrange the planning region hierarchy in descending order —

- i. District
- ii. State
- iii. Village
- iv. Community Development Block

- (A) ii, i, iv, iii
- (B) ii, i, iii, iv
- (C) i, ii, iv, iii
- (D) i, iii, ii, iv

23. The meaning of stable development of any region is —

- (A) Growth in living standard
- (B) Equal development in the different economics
- (C) Similar growth rate in production
- (D) Growth in per capita income

24. Among the following regions, in which spatial differentiations are very less or minimum called —

- (A) Campage
- (B) Uniform region
- (C) Nodal region
- (D) Natural region

25. Concept (c) : The concept of region is generally linked with space and has spatial dimensions.

Extension (E) : Because region is not an objective reality linked with space.

- (A) Both 'C' and 'E' are true
- (B) 'C' is false but 'E' is partially true
- (C) Both 'C' and 'E' are true, but 'E' does not confers 'C'
- (D) 'C' is true but 'E' is false and 'E' does not explain 'C'

26. When the regional planning proposed for the first time in India?

- (A) 1965
- (B) 1968
- (C) 1980
- (D) 1970

27. For the delineation of the functional region two methods are generally employed; which is the incorrect option —
- (A) The commuter flow analysis
  - (B) The flow analysis
  - (C) The gravitational analysis
  - (D) None of the above
28. "Study of the inter relations of phenomena on the earth's surface and their areal differentiation to give comprehension to the world." Who said this —
- (A) Herbertson
  - (B) A. Heartshorne
  - (C) J. F. Unstead
  - (D) P. M. Roxby
29. After K. Sauer few geographers found the similarity of cultural realm under any region, they were the following. Find out the incorrect option —
- (A) Mark jefferson
  - (B) G.P. Marsh and R. Platt
  - (C) D. Lawenthai & D.W. Meining
  - (D) D. Whittlesey
30. The difference between mean temperature of any place and the mean temperature of its parallel is known as —
- (A) Seasonal lag of temperature
  - (B) Thermal anomaly
  - (C) Diurnal range of temperature
  - (D) None of these

*Turn Over*

31. The leaf size of vegetation is a function of —
- (A) Only temperature
  - (B) Only moisture
  - (C) Moisture and temperature both
  - (D) None of these
32. A balanced ecosystem is in which —
- (A) Amount of energy is not synthesized
  - (B) Utilization of energy is not equal
  - (C) Amount of energy synthesized and utilization is equal
  - (D) There is no balance of energy received and utilization
33. The inactive ecosystem is called —
- (A) Dominant ecosystem
  - (B) Functional ecosystem
  - (C) Inert ecosystem
  - (D) Passive ecosystem
34. Soil classification based on the particle size distribution is —
- (A) Unified soil classification
  - (B) Textural classification
  - (C) Structural classification
  - (D) Genetic classification

35. Which of the following is not chemical property of soil?

- (A) Soil porosity
- (B) Acidity
- (C) Alkalinity
- (D) Humus

36. Laterite is genetically —

- (A) Azonal soil
- (B) Zonal soil
- (C) Intra-zonal soil
- (D) Skeletal soil

37. What is a wet land complex?

- (A) A wet land with variety of vegetation and water types
- (B) Set of wet lands dependent on each other
- (C) Wet land which form a boundary of large water body
- (D) All of the above

38. International organisation IUCN is the abbreviation of —

- (A) Internal Union Council for Natural Gas
- (B) International Union Council for Nature
- (C) International Union for Conservation of Nature
- (D) Internal United Council of Nation

*Turn Over*

39. Red data book gives an accounts of —

- (A) Endangered species
- (B) Extinct animals only
- (C) Fossil plants
- (D) All of these

40. The biggest rice producing country in Asia —

- (A) China
- (B) India
- (C) Indonesia
- (D) Bangladesh

41. Metropolitan region comes under the —

- (A) Formal region
- (B) Functional region
- (C) Natural region
- (D) All of these

42. The concept of Growth pole was developed by perroux in the year —

- (A) 1956
- (B) 1953
- (C) 1955
- (D) 1954

43. The concept of 'spread Effect' is related to —
- (A) Myrdal's Theory
  - (B) Perroux Theory
  - (C) Hirschman's Theory
  - (D) All of these
44. R.L. Singh in his regional schemes of India, identified number of meso level region —
- (A) 28
  - (B) 25
  - (C) 30
  - (D) 32
45. Himalayan region is an example of —
- (A) Formal region
  - (B) Functional region
  - (C) Nodal region
  - (D) None of these
46. W. Koppen divided the world climate into — principal type —
- (A) 6
  - (B) 5
  - (C) 7
  - (D) 4

Turn Over

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47. The height of troposphere in the pole —
- (A) 10 km
  - (B) 7 km
  - (C) 20 km
  - (D) 30 km
48. Cs climate stand for —
- (A) mediterranean type
  - (B) West European type
  - (C) Monsoon type
  - (D) None of these
49. Which of the following percentage of solar radiation is absorbed by Atmosphere?
- (A) 14%
  - (B) 16%
  - (C) 18%
  - (D) 20%
50. When the earth is farthest from the sun is called —
- (A) Aphelion
  - (B) Perihelion
  - (C) Equinox
  - (D) None of these

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2018

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. Mention the significance of dynamic concept of resource. What do you mean by sustainable use of resources?

6+4=10

2. What are the disadvantages of using nuclear energy? Comment on the potentiality of solar energy as emerging source of power generation. What is SPV?

2+6+2=10

**Section - II**

Answer any *four* questions. 5×4=20

3. Comment on the validity of Weber's theory of Industrial Location with proper examples. 5

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4. Identify the problems of Tea Industry of North Bengal. What prospects do you find in this industry? 3+2
5. Identify the problem of rice cultivation South-East Asia. What solutions can be applicable to overcome those problems? 3+2=5
6. What is choked flow resource? Identify the existing and potential areas of hydel power in South India. 2+3
7. Describe the increasing importance of agro-forestry in modern civilization. 5
8. Describe the future prospects of food processing industry in West Bengal. 5
9. Account for the distribution of petro-chemical industry in western India. 5
10. What is tertiary activity? Write in brief the types of communication system. 2+3=5

**Group - B**

**[Region, Regional Planning and Development]**

**Section - I**

Answer any *one* question. 10×1=10

11. Define the term 'development' and differentiate it from 'growth'. How is balanced development achieved through the process of regional development? 2+2+6=10

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12. Distinguish between centralised planning and decentralised planning. Make a criticism on 'Myrdal's Theory'. 7+3=10

**Section - II**

Answer any *two* questions. 5×2=10

13. Write a short note on 'MGNREGA' and 'PMGSY'. 2½+2½
14. What is vicious cycle of poverty? Relate the said concept with developing economy. 2+3=5
15. Elaborate the concept of planning region. 5
16. How the regions are delineated? Write any two characteristics of functional region. 3+2=5

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2018

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. Define monsoon. Discuss the origin and development of monsoon in light of Jet Stream Theory. 2+8=10
2. Give an account of global pressure belt. Explain how does global pressure belt control the planetary wind system. 5+5=10

**Section - II**

Answer any *four* questions. 5×4=20

3. Write about the importance of ozone layer in the atmosphere. 5

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4. Explain the mechanism of formation of precipitation as per Collision-Coalescence Theory. 5
5. What are the consequences of El-Nino on world climate? 5
6. What is lapse rate? Distinguish between normal Lapse Rate and Adiabatic Lapse rate. 2+3=5
7. Analyse the basis of climatic classification after Koppen. 5
8. Explain the causes that lead to the increase of greenhouse gases. 5
9. Write a short note on Inversion of temperature. 5
10. What are the favourable geographical conditions for the origin of 'tropical cyclone'? 5

### SOIL AND BIOGEOGRAPHY

#### Section - III

Answer any *one* question. 10×1=10

11. Assess the role of climate and soil organic matter in soil forming process. 5+5=10
12. Define ecosystem. Describe its structure. Explain the function of ecosystem with the help of law of thermodynamics. 2+3+5=10

( 3 )

#### Section - IV

Answer any *two* questions. 5×2=10

13. Distinguish between the processes of eluviation and illuviation. Assess the role of illuviation in characterising the B-horizon of the soil. 2+3=5
14. Write down the role of soil pH for 'plant productivity'. 5
15. Define the term 'Biome'. Explain the causes of Biodiversity loss. 2+3=5
16. Write down the significance of wetland conservation in present context, with examples. 5