

2017

GEOGRAPHY

(Major)

Paper : 5.1

**(Concept of Regional Development Planning
and Geography of Development of
the USA and Japan)**

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions as directed : 1×7=7

- (a) What is the main power source in Hokkaido?
- (b) A town is a depressed region / formal region / functional region.
(Choose the correct answer)
- (c) Which is the biggest island of Japan?
- (d) Name the famous city of the USA located in the Pacific Coast.

- (e) For what Newfoundland is famous for?
 (f) Give example of a cereal crop.
 (g) Proper usable land area of Japan is
 80% / 10% / 0.5% / 16% only.

(Choose the correct answer)

2. Give very short answers to the following questions : $2 \times 4 = 8$

- (a) What is mixed farming?
 (b) Name two major lakes of the USA.
 (c) Mention two industrial locational factors of Japan.
 (d) What do you mean by sectoral development?

3. Answer any *three* questions of the following : $5 \times 3 = 15$

- (a) Give a short account on the automobile industries of the USA.
 (b) Define 'regionalism' in the Regional Geography.
 (c) Write briefly on the five main industrial locational factors in the USA.

- (d) Describe the regional agriculture in Japan.
 (e) Discuss briefly the regional agriculture in Japan.

4. Answer any *three* of the following :

- (a) What is the concept of regionalism? Discuss in detail the four major regions.
 (b) Define development and discuss the factors of new development.
 (c) Describe in detail the locational factors of building industries.
 (d) Present an account on the regional development of the USA.
 (e) Discuss in detail the regional development of Japan.

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GEOGRAPHY

(Major)

Paper : 5.2

(Regional Geography of India
and SAARC Nations)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions : $1 \times 7 = 7$

- (a) Write the total number of the States and the total number of the Union Territories in India.
- (b) Name the Indian State which is the largest producer of jute in the country.
- (c) Which is the second largest State in India in terms of area?
- (d) Name the city having the highest population among the metropolitan cities in India.

- (e) Where is the factory of Rashtriya Ispat Nigam Limited located?
- (f) Which is the longest east-flowing river in South India?
- (g) Which country has the lowest literacy rate among the SAARC nations?

2. Answer the following questions : $2 \times 4 = 8$

- (a) Mention the significant characteristics of agriculture practised in the Ganga-Jamuna-Brahmaputra plain.
- (b) Why is the production of cotton high in the Deccan plateau?
- (c) What is 'loo'? Mention the areas of its origin.
- (d) Name the member countries of the SAARC.

3. Answer any *three* of the following questions : $5 \times 3 = 15$

- (a) Discuss the growth and distribution of cotton textile industry in India.
- (b) Highlight the salient features of the natural vegetation in India.

- (c) Discuss the population density in the Indo-Gangetic plains. Divide the Indo-Gangetic plains into population density zones.

- (d) Critically discuss the industrial policy followed by India after Independence.

- (e) "Agriculture plays a vital role in India's economic development." Discuss this statement.

4. Answer any *three* of the following questions :

- (a) "The physical features of a country influence its agriculture, industry and trade." Explain this statement in the context of India.

- (b) "India is a land of diverse physical features." Illustrate the statement with reference to the physical environment of India.

- (c) Examine the role of the railway network in the economic development of India.

- (d) Discuss in detail the main soil types of India with a mention of how each of the soil types is related to cropping pattern in the country. 8+2=10
- (e) Present a critical discussion on the status of cooperation and conflict among the SAARC nations and suggest some ideas that may increase the level of cooperation among them. 8+2=10

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GEOGRAPHY

(Major)

Paper : 5.3

(Cartographic and Quantitative Methods)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions : 1×7=7

- (a) What is the latitude of arctic circle?
- (b) Write an important property of standard parallel.
- (c) What is mode?
- (d) What is the reduced bearing of $237^{\circ}30'$?
- (e) What is the formula to find out the length of any parallel?

- (f) Write the difference between the r values of $+0.4$ and -0.8 .
- (g) Write the formula to find out the value of a (intercept) in linear least squares method of time series analysis.

2. Answer the following questions in brief : $2 \times 4 = 8$

- (a) What is triangulation survey?
- (b) What is meant by spatial resolution in mapping?
- (c) Mention two important properties of cylindrical projection.
- (d) Mention two merits of median.

3. Answer any *three* of the following questions :

$5 \times 3 = 15$

- (a) Explain the differences between choropleth and isopleth mapping with examples. 5
- (b) Describe the procedure of closed traverse surveying with the help of prismatic compass. 5

- (c) Attempt a systematic map projections with suitable illustrations.
- (d) What is sampling? utilities in geograph
- (e) What is dispers different measures utilities of any one

4. Discuss the trend cartography.

Or

Compare the procedure Table Surveying by u Intersection methods.

5. What is conical map basic principles, proper

Or

What is quantification its need and limitation studies.

6. What is meant by correlation and regression? Explain the applications of correlation and regression analysis in geographical studies. 2+8=10

Or

What is Time Series Analysis? Discuss its utilities in geographical studies. 2+8=10

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GEOGRAPHY

(Major)

Paper : 5.4

(Population and Settlement Geography)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Answer the following questions : 1×7=7
- (a) Which year is considered as the significant divide in the history of development of population geography?
 - (b) On which principle is the $k=7$ hierarchy based in Christaller's central place theory?
 - (c) What is life expectancy?
 - (d) How is dependency ratio calculated?
 - (e) Name one high density region in the world.

- (f) What is CBD?
 (g) What is optimum population?

2. Answer the following questions in brief : $2 \times 4 = 8$

- (a) What are positive and preventive or negative checks in Malthus' theory of population growth?
 (b) What are birthrate and death rate?
 (c) Distinguish between forced migration and voluntary migration.
 (d) What is settlement hierarchy?

3. Answer any *three* of the following questions :
 $5 \times 3 = 15$

- (a) Briefly explain the approaches and methodology of population geography.
 (b) Write a short note on sources of data and associated problems.
 (c) How do the demographic factors determine the population change?
 (d) What is migration? How does it affect the population structure of a country?
 (e) Write a short note on the morphology of urban settlement.

4. Discuss in detail the population geography.

Or

Discuss demographic transition and its relevance.

5. Discuss the meaning and importance of population geography.

Or

Discuss in detail the factors affecting the distribution and density of population in the world.

6. Explain the concept of population pressure and its effect on economic development.

Or

What is population pyramid? Draw population pyramids for a developed and a developing country with suitable illustrations.
