GEOGRAPHY

BOOKS - FULL MARKS GEOGRAPHY (HINGLISH)

GRAPHICAL REPRESENTATION OF DATA

Ncert Textbook Questions Solved

1. Which one of the following map shows the population distribution?

A. Choropleth maps

B. Isopleth maps

C. Dot maps

D. Square root map

Answer: C

2. Which one of the following is best suited to repesent the decadal growth of population?

A. Line graph

B. Bar diagram

C. Circle diagram

D. Flow diagram

Answer: A

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3. Polygraph is constructed to represent.

A. Only one variable

B. Two variables only

C. More than two variales

D. None of the above

Answer: C

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4. Which one of the following maps is known as Dynamic Map?

A. Dot map

B. Choropleth

C. Isopleth

D. Flow map

Answer: D

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5. What is a thematic map?

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6. Differentiate between multiple bar diagram and compound bar diagram.

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7. What are the requirements to construct a dot map?

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8. Describe the method of constructing a traffic flow map.

9. What is an Isopleth map? How an interpolation is carried out?

10. Describe and illustrate important steps to be followed in preparing a Choropleth map.

11. Construct as pie chargE with this information.

Students in an adult school were surveyed about the type of transport they use to travel to school.

The results were:

Walking 3, Train 6, Tram 9, Car 10, Bicycle 12.

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Ncert Textbook Questions Solved Activity

1. Represent the following data with the help of suitable diagram.

India: Trends of Urbanisation 1901-2001

India: Trends of Urbanisation 1901-2001										
Year	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
Decennial growth (%)	0.35	8.27	19.12	31.97	41.42	26.41	38.23	46.14	36.47	31.13

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2. Represent the following data with the help of suitable diagram.

India: Literacy and Enrolment Ratio of Primary

and Upper Primary Schools.

Year	Literacy Ratio			Enrolment Ratio Primary			Enrolment Ratio Upper Primary		
	Person	Male	Female	Male	Female	Total	Male	Female	Total
1950-51	18.3	27.2	8.86	60.6	25	42.6	20.6	4.6	12.7
1999-2000	65.4	75.8	54.2	104	85	94.9	67.2	50	58.8

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3. Represent the followng data with help of pie- diagram.

India: Land use 1951-2001

India: Land use 1951-2001

Year	1950-51	1998-2001
Culturable Waste Land	8	5
Pasture and Tree	9	5
Fallow Land	10	8
Forest	14	22
Not available for cultivation	17	14
Net Sown Area	42	46

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4. Study the table give below and draw the given diagrams/ maps.

Area and Production of Rice in Major States.

Area and Production of Rice in Major States

States	Area in 000 ha	% to total area	Production 000 tones	% to total Production
Bihar	3,671	8.3	5,417	6.4
Tamil Nadu	2,113	4.8	7,218	8.5
Punjab	2,611	5.9	9,154	10.8
Andhra Pradesh	4,028	9.1	12,428	13.5
Uttar Pradesh	5,839	13.2	11,540	13.6
West Bengal	5,435	12.3	12,428	14.6

a. Construct a multiple bar diagram to show area under rice in each state.

b. Construct a pie diagram to show the percentage of area under rice in each state.

c. Construct a dot map to show the production of rice in each state.

d. Construct a Choropleth map to show the percentage of production of rice in states.

5. Show the following data temperature and rainfall of Kolkata with a suitable diagram.

Months	Temperature in °C	Rainfall in cm
Jan.	19.6	1.2
Feb.	22.0	2.8
Mar.	27.1	3.4
Apr.	30.1	5.1
May	30.4	13.4
June	29.9	29.0
Jul.	28.9	33.1
Aug.	28.7	33.4
Sep.	28.9	25.3
Oct.	27.6	12.7
Nov.	23.4	2.7
Dec.	19.7	0.4

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1. What are data? How are these important?

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2. What is the Chinese proverb in context of diagrams, graphs and maps?

3. Why is statistics needed?

4. What are the general rules related to construction of graphs, maps and diagrams?

5. 1.Name the most commonly used graphs and maps.

6. When are the matic maps drawn?

7. What are different types of quantitative thematic maps?

8. What are dot maps?

9. What are choropleth maps?

10. What are more frequently drawn isopleths?

11. Why is a flow map called a dynamic map?

Additional Questions Solved Short Answer Questions

1. In how many catergories are maps and graphs used to present data?

2. What do you mean by is isopleth?

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3. What is a line graph? For which type of data are they used?

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1. How are data presented using ploygraphs?

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2. Define and construct a line graph of represent the growth rate of population in India during 1901-2001.

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3. Draft a multiple bar diagram.

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1. In which case histogram is prepared?

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2. In what type of graph comparison among the class frequencies is possible?

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3. Data represented through a histogram can help in finding graphically which measure of central tendency?

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4. Histogram is drawn on what?

5. To find the number of observations less than any given value, we use what type of frequency?

6. While preparing time series graph, we show which varible on the X-axis?

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7. By which type of graph Mode is found graphically?

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8. A simple frequency distribution of a discrete variable is represented by what?

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9. How is a frequency polygon obtained?

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10. Ogives can be helpful in locating graphically which measure of central

tendency?

11. Ogive curve can be drawn for which type of

frequency?

12. In whilch graph the breadth of rectangle is

equal to the length of the class interval?

13. What are dot maps?

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14. What are choropleth maps?

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15. What is an Isopleth Map?

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Test Assignment

1. Discuss the features of a flow map.

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2. What do you understand by thematic maps?

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3. What do you understand by flow diagram?

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