Statistics Class XI
Assignment
Presentation of Data

1. In 1991, the contribution of agriculture, industry & services to India's National income was 48%, 21% & 31% respectively. In 1992, these shares were 34%, 27% & 39% respectively. Present this information in the form of a table.

2. Present the data in the form of a simple bar diagram.

Year	1970	1980	1990	2000
Production of Wheat (million tones)	100	210	350	500

3. Present the data in multiple bar diagram

Year	1983	1984	1985	1986
Exports (Crores of Rs.)	73	80	85	80
Imports (Crores of Rs.)	70	72	75	85

4. Draw multiple bar diagram:

Year	Ist Division	IInd Division	IIIrd Division
1999	10	30	50
2000	12	45	70
2001	14	50	60
2002	11	40	75

5. Present the following data in the form of component bar diagram:

Gender	Enrolled %	Out of school
Boys	91.5	8.5
Girls	58.6	41.4
All	78	22

6. Draw a percentage bar diagram for the following data:

Year	A	B	C	D	Total
1970	40	10	15	35	100
1971	80	120	250	300	750
1972	120	250	330	400	1100

7. Present the following data on the food grain production in the form of sub divided bar graph.

Year	Wheat	Rice	Gram	Total
2003	30	20	10	60
2004	45	30	15	90

8. Represent the following data by means of a pie diagram:

Items	Labour	Material	Electricity	Transportation	Overhead	Total
Cost (Rs.)	10	25	5	15	35	90

9. Prepare a pie diagram to show the percentage distribution of exports:

Items	Agriculture	Industry	Transport	Administration	Banking	Total
% share	40	21	19	13	7	100

10. Present the data given in a histogram:

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of Students	4	10	16	22	20	18	8	2

11. Draw a histogram & frequency polygon for the following data:

Marks	5- 9	10- 14	15- 19	20- 24	25- 29	30 -34
No. of Students	4	17	25	32	16	6

12. Draw a frequency polygon using mid values from the following values:

Marks	0- 10	10- 20	20 -30	30- 40	40- 50	50- 60
No. of Students	5	12	15	22	14	4

13. On the basis of the following frequency distribution, draw less than cumulative curve:

Marks	0- 5	5- 10	10- 15	15- 20	20- 25	25- 30
No. of Students	4	6	10	25	10	5

14. Draw more than ogive using the following data:

Marks	0- 5	5- 10	10- 15	15- 20	20- 25	25- 30	30- 35	35- 40
No. of Students	7	10	20	13	12	10	15	8

15. Prepare both types of ogive (more than & less than) from the following data:

Marks	30- 34	35- 39	40 -44	45- 49	50 -54	55- 59	60 – 64
No. of Students	3	5	12	18	14	6	2

16. Represent the following data of annual profits of a firm through a time series graph

Years	1993	1994	1995	1996	1997	1998
Profits (in'000 Rs.)	60	72	75	65	80	95

17. Represent the following data throug1h time series graph:

Years	1992	1993	1994	1995	1996	1997	1998
Exports (in crores Rs.)	300	320	400	350	360	250	340
Imports (in crores Rs.)	450	300	280	375	330	450	325

18. The following data shows the estimated sectoral real growth rates (percentage change). Represent it in time series:

Year	Agriculture	Industry	Services
1994- 95	5.0	9.2	7.0
1995- 96	-0.9	11.8	10.3
1996- 97	9.6	6.0	7.1
1997- 98	-1.9	5.9	9.0
1998- 99	7.2	4.0	8.3
1999- 2000	0.8	6.9	8.2

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