INDIAN SCHOOL NIZWA - WORKSHEET

SUBJECT: STATISTICS
Chapter 4: Presentation of Data
Name: _____ Date: _____ Class: XI B

1. Define presentation of data. Why is it important in statistics?
2. What is the difference between a bar diagram and a histogram?
3. State one difference between a pie chart and a bar diagram.
4. Mention two advantages of using diagrams in the presentation of data.
5. Draw a simple bar diagram for the following data showing the production of rice in different states:

Punjab	Haryana	Bihar	West Bengal
20	15	10	25

6. Present the following data using a pie chart:
   Food: ₹4000, Education: ₹2000, Rent: ₹3000, Clothing: ₹1000, Savings: ₹2000
7. The marks of 50 students in Economics are given below. Present the data in the form of a histogram:

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of students	5	10	10	15	7	3

8. Explain the differences between tabular presentation and diagrammatic presentation of data with examples.
9. What precautions should be taken while constructing a histogram? Give examples.
10. Prepare a frequency polygon using the data given below:

C I	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	4	6	10	15	10	5

11. The following data shows the number of workers in different industries of a town. Represent it through a pie chart:

Agriculture	Manufacturing	Transport	Trade	Services
1200	600	300	400	500

12. Draw histogram:

Marks	0-10	10-30	30-50	50-70	70-100
Frequency	5	10	20	10	15

13. The following table shows the house hold expenditure (in %) on different items for three years. Represent the data using a Component Bar graph.

Items	2021	2022	2023
Food	40	50	60
Clothing	20	15	10
Housing	25	20	25
Misc.	15	15	5

14. Draw less than Ogive for the following distribution

Marks	0-10	10-20	20-30	30-40	40-50
No. of Students	5	7	10	8	5