Prepare a sample from a reach of Zayandehroud river. Choose a section upstream of Sio-She-Pol bridge or Khojo bridge. Define the standard you have used for sampling and give a brief description of the step required. Show several pictures from the selected section, and the sample. Fill out the form below. Draw the sediment distribution curve and determine d_{90} , d_{65} , d_{50} , d_{9} , σ_{g} .

| Class No. | Class Range (mm) | d_i (mm) | i_b |
|-----------|---------------------|------------|-------|
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- 2 Select a research paper on incipient motion for canals with movable beds, excluding the ones described in the class. Write a summary and critical review on the paper. Your summary should include details of the research project, assumption and findings. Specifically, you are supposed to stick to following steps as
 - Summarize (not translate) the whole paper in 3 or 4 pages. List the main assumptions and show in details, how to calculate the incipient motion parameter.
 - Having the sediment distribution obtained in problem #1, calculate the incipient motion parameter by using the method presented in the paper and other methods presented in the class. Explain the reasons behind the differences.