



Part B

Provide concise answers only within the given space.

1. Discuss "Random sampling" and "Judgmental sampling".

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2. List the preservation techniques in "water sampling".

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3. Discuss the difference between precision and accuracy.

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4. Discuss briefly the importance of standard "calibration".

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5. Briefly classify water based on the degree of dissolved concentrations.

(Total Mark 4 x 5 = 20)

### Part C

1. Explain errors in geochemical analysis.

(15 marks)

2. Interpret the following figures in geochemistry.

(a) Description: The geochemical classification of Devonian–Carboniferous clastic sediments in Central Mongolia (Pettijohn et al. 1987, boundaries as drawn by Yang et al. 2012).

