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XI GIIGIIIISTI Y WOIRSIIGGE
Time: 30 min Ch#3: Classification of Elements and Periodicity in Properties -01 Full Marks: 20
Instructions:
1. All questions are compulsory.
2. Please give the explanation for the answer where applicable.

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Q1 - What are transition elements?	(2 Marks)
Q2 - Why the electron affinity of chlorine is more than that of fluorine?	(2 Marks)
Q3 - Which will have higher first ionisation energy N or O and why?	(3 Marks)
Q4 - Why the value of second electron affinity is positive whereas first electron affinity is alway negative?	s (3 Marks)
Q5 - Why the first member of a group differs from other elements of same group? Explain.	(2 Marks)
Q6 - Predict formula of stable binary compound that would be prepared by following the pair of (i) Al and C (ii) Element with at. No. 55 and 35 (iii) Element with atomic no. 56 and oxygen (iv) Element with atomic number 15 and Fluorine (v) Pb and element with atomic number 16.	element.
Q7 - Arrange O ²⁻ , S ²⁻ , N ³⁻ and F ⁻ in increasing order of radii. Q8 - Write four species which are isoelectronic with Ca ²⁺ . Q9 - Write the IUPAC name of the following elements with atomic number:	(1 Mark) (1 Mark)
(i) 103 (ii)110	(1 Mark)