

Examrace

National Standard Examination in Chemistry (NSEC) Solved Paper 2016 Part-13

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Q: 57.1. 250g metal carbonate (MCO_3) was treated with 500 mL of 0.1 M HCl solution. The unreacted HCl required 50.0ml of 0.500 M NaOH solution for neutralization. Identify the metal M

- (A) Mg
- (B) Ca
- (C) Sr
- (D) Ba

Answer: (B)

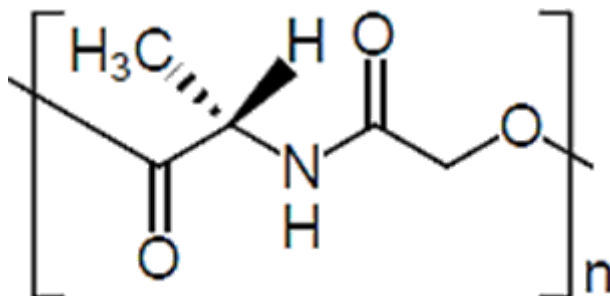
Q: 58. An electron beam can undergo diffraction by crystals which proves the wave nature of electrons. The potential required for a beam of electrons to be accelerated so that its wavelength becomes equal to 0.154 nm is

- (A) 63.5V
- (B) 31.75V
- (C) 635 V
- (D) 127 V

Answer: (A)

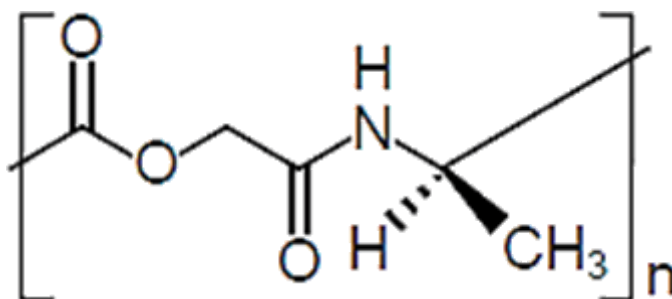
Q: 59. A biodegradable alternating copolymer of L-alanine and glycolic acid ($HO - CH_2 COOH$) is

- (A)



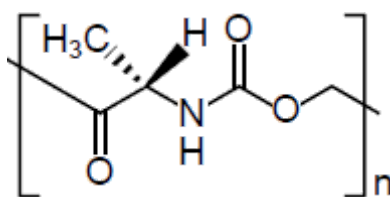
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(B)



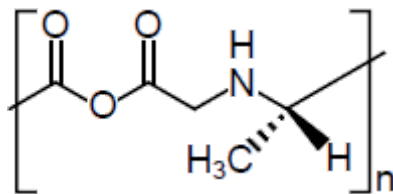
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(C)



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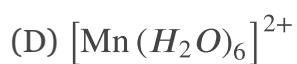
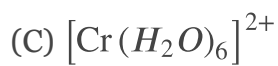
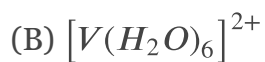
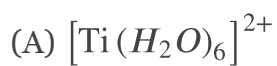
(D)



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Answer: (A)

Q: 60. In which of the following complexes the metal ion has the lowest ionic radius?



Answer: (B)

For detailed explanations and answers visit - [NSEC Answers with detailed explanations](#)

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