

1. Which of the following is CORRECT regarding a cross between a hemophilic male and a carrier female?

- (a) All of the sons are hemophilic.
  - (b) None of the daughters are hemophilic.
  - (c) All of the daughters are hemophilic.
  - (d) None of the sons are hemophilic.
  - (e) Cannot be determined.
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2. A 31 year old female presented to the physician for consultation. She complained of generalized weakness and lethargy. Her hemoglobin level was 7g/dl. Which of the following manifestations regarding her condition is CORRECT:

- (a) Moist skin
  - (b) Nail clubbing
  - (c) Angular stomatitis
  - (d) Jaundice
  - (e) Muscle atrophy
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3. A 47 year old female presented to the clinic with severe pain in her leg and shortness of breath. She also complained of recent chest pain. All of the following are indicated for testing EXCEPT:

- (a) Protein C
  - (b) Prothrombin time (PT)
  - (c) Protein S
  - (d) Phlebography
  - (e) Duplex US
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4. A 16 year old girl suffers from fever, lethargy as well as bone and joint pain. Tests have shown uric acid level of 10mg/dL. Which of the following regarding this condition is CORRECT:

- (a) RBCs,  $4.7 \times 10^6$  cells/ $\mu$ l
  - (b) LDH, 200 IU/L
  - (c) Lymphocytes > 45,000 cells/ $\mu$ l
  - (d) Platelets, 220,000 cells/ $\mu$ l
  - (e) Hemoglobin, 13g/dl
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