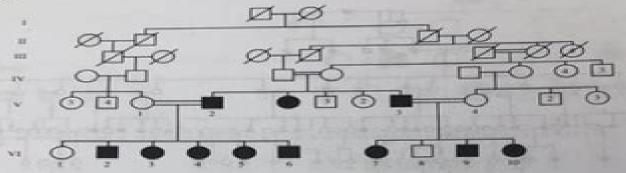
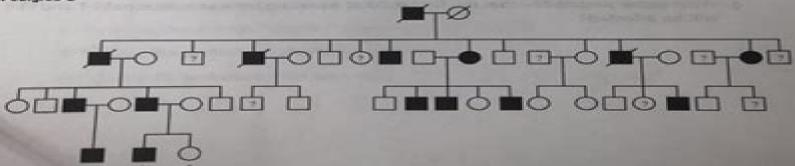
Pedigree F



- 2. Answer the following for this pedigree G:
 - a. What is the most likely mode of inheritance of the trait?
 - b. Give two reasons for your answer in part (a).
 - c. If the parents of the persons numbered 1 and 2 have another child, what is the probability that child will be affected?
 - d. What is the probability that the first child of a mating between the person numbered 1 and an unaffected female with no family history of the disease (and who we thus assume does not carry the disease allele) will be affected?
 - e. What is the probability that the first child of a mating between the person numbered 2 and a heterozygous male will be affected?
 - f. The mode of inheritance of hemochromatosis is quite common. But there is still something unusual about the appearance of this trait in this family. What is it?

Pedigree G



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Christian Liberty Press, Robert Glotzhaber

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