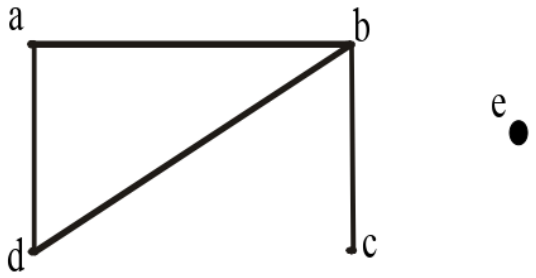
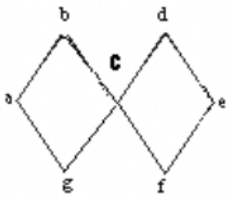


- 2, 2, 3, 1, 1
- 2, 3, 1, 0, 1 **(Page 307)**
- 0, 1, 2, 2, 0
- 2,3,1,2,0

Question No: 16 (Marks: 1) - Please choose one
Which of the following graph is not possible?

- **Graph with four vertices of degrees 1, 2, 3 and 4. (Page 287)**
- Graph with four vertices of degrees 1, 2, 3 and 5.
- Graph with three vertices of degrees 1, 2 and 3.
- Graph with three vertices of degrees 1, 2 and 5.

Question No: 17 (Marks: 1) - Please choose one
The graph given below



- Has Euler circuit
- Has Hamiltonian circuit
- **Does not have Hamiltonian circuit (Page 297)**

Question No: 18 (Marks: 1) - Please choose one
Let n and d be integers and d ¹ 0. Then n is divisible by d or d divides n If and only if

- **n= k.d for some integer k (Page 179)**
- n=d
- n.d=1
- none of these

Question No: 20 (Marks: 1) - Please choose one
An integer n is prime if, and only if, n > 1 and for all positive integers r and s, if n = r·s, then

- **r = 1 or s = 1. (Page 187)**
- r = 1 or s = 0.
- r = 2 or s = 3.