► 25

Question No: 31 (Marks: 1) - Please choose one
If two sets are disjoint, then P∩Q is

► **∅**
► P
► Q
► P∪Q

Question No: 32 (Marks: 1) - Please choose one
Every connected tree

► does not have spanning tree
► may or may not have spanning tree
► **has a spanning tree (Page 329)**

Question No: 33 (Marks: 1) - Please choose one
When P(k) and P(k+1) are true for any positive integer k, then P(n) is not true for all +ve Integers.

► **True (Lecture 23)**
► False

Question No: 34 (Marks: 1) - Please choose one
When 3k is even, then 3k+3k+3k is an odd.

► True
► **False**

Question No: 35 (Marks: 1) - Please choose one
5n -1 is divisible by 4 for all positive integer values of n.

► **True**
► False

Question No: 36 (Marks: 1) - Please choose one
Quotient –Remainder Theorem states that for any positive integer d, there exist unique integer q and r such that n=d.q+ r and _____.

► **0≤r<d (Page 201)**
► 0<r<d
► 0≤d<r
► None of these

Question No: 37 (Marks: 1) - Please choose one
The given graph is