```
Que 6: Let f(x)=1+2x^2+2^2x^4+....+2^{10}x^20, then f(x) has A) More than one minimum

B) Exactly one minimum

C) At least one maximum

D) None of these

Correct Answer: B

Solution:
f(x)=1+2x^2+2^2x^4+2^3x^6+...+2^{10}x^20
f'(x)=x(4+4.2^2x^2+....+20.2^{10}x^18)
f'(x)=0 x=0 only.
Also f''(0)>0.
```