

GATE 2025 EC Feb 15 Memory Based Questions S

GATE EC Memory Based Questions

Q1-3, 9, 19, 33 ___?

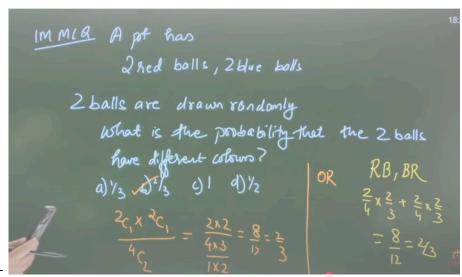
Q2- A pot contains 2 red bulls and 2 blue bulls. Two balls were drawn from the top randomly without replacement, what is the probability (P) of two balls drawn having different colors?

Q3- Had been active as a child I ____ a famous actor

Option 1: can be

Option 2: could have been

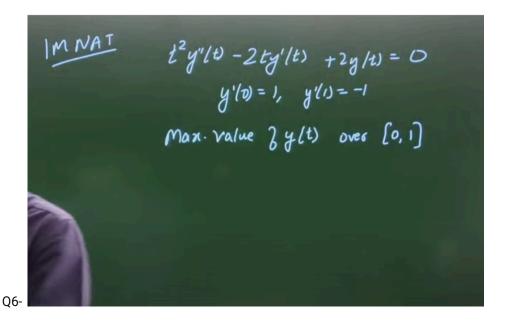
Option 3: will be





IM M&B
$$f(x) = 2x^3 - 3x^2 - 12x + 1$$
a) $x = -1 \rightarrow local min$
b) f has no flobal max
c) $x = 2 \rightarrow local max$
d) f has no flobal min





Le Turo Sair Dices are Rolled & Random Variable & denstes

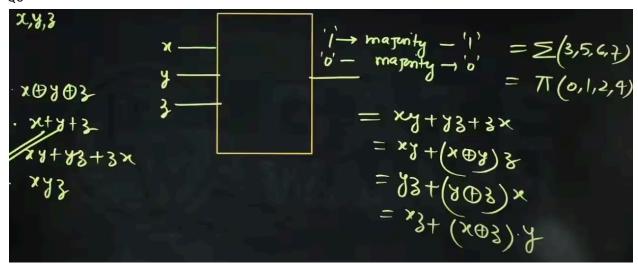
the sam of out comes then Expected Value of x = ?

Pool:

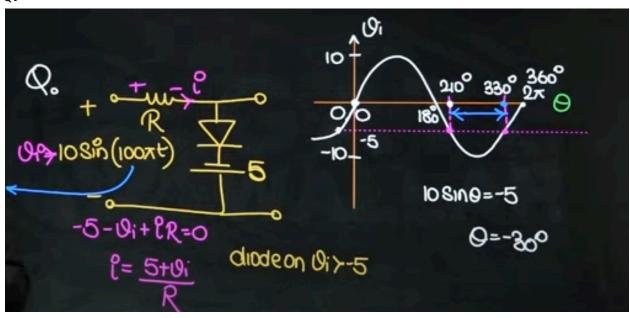
Q7-



Q8-



Q9-





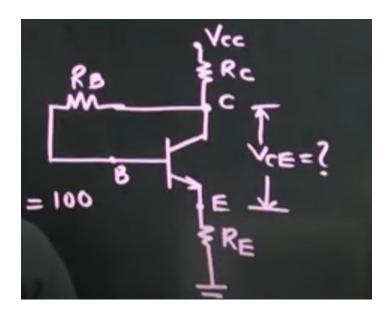
$$360^{\circ} \Rightarrow \frac{1}{50} \sec 0$$
 $120^{\circ} \Rightarrow \frac{1}{150} \sec 0$

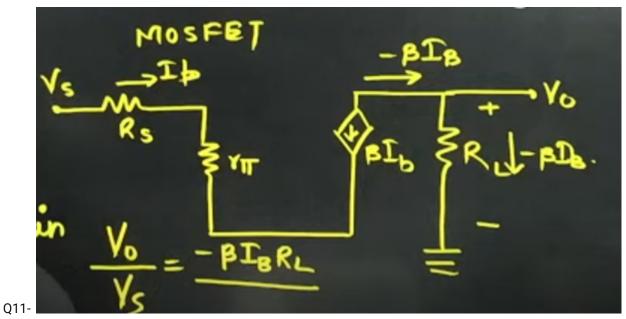
Choose $00 \Rightarrow \frac{1}{50} - \frac{1}{150} \Rightarrow \frac{2}{150} = \frac{1}{150} = 01333$
 $\frac{3-1}{150} \Rightarrow \frac{2}{150} = \frac{1}{150} = 01333$

Q10-

Collector to base feedback bias (BJT)

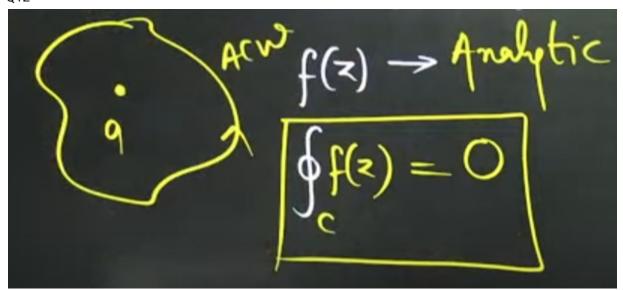


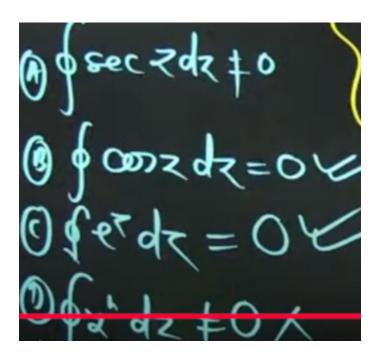




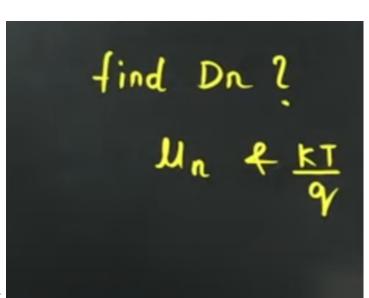


Q12-



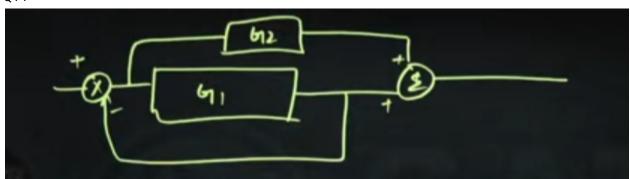




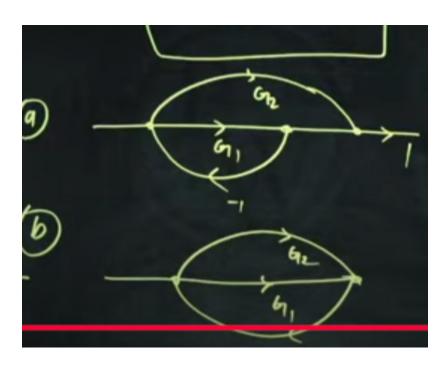


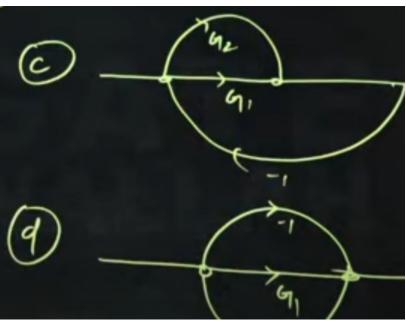
Q13-

Q14-



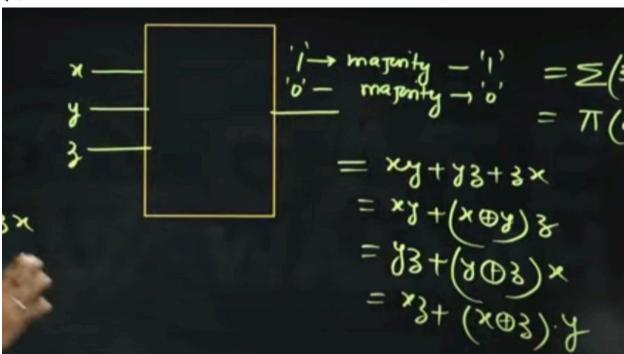








Q15





$$x = \frac{1}{3} \xrightarrow{10'-1} \frac{1}{10'-1} = \frac{1}{2} = \frac{1}{10'-1} = \frac{1}{2} = \frac{1}{10'-1} = \frac{1}{2} = \frac$$



