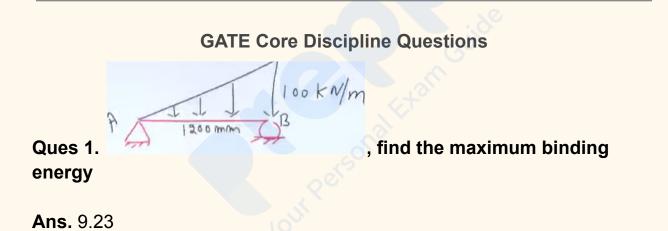


GATE 2024 Question Paper Feb 3 (Mechanical Engineering)

GATE General Aptitude Questions

Ques 1. What are the number of numbers possible divisible by 3 if we choose 4 numbers from the set $S = \{4,5,7,8,9\}$

Ans. 1



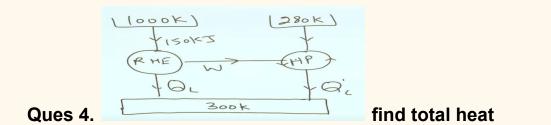
Ques 2. Find the diameter of the punch, if the diameter of the blank is 20mm(blinking operation is going on). Given the clearance value is 0.04mm

Ans. 20.08 mm

Ques 3. Tmin= 300 K, Tmax = 1200K, Q =1200 KJ. Find work done.

Ans. 900 KJ





Ans. 1620

Ques 5. A cube of the dimension (20*20*20) is mold to sphere having diameter 20mm and the pouring temperature both are same. What is the ratio of the solidification time of the cubical casting: spherical casting

Ans. 32/3