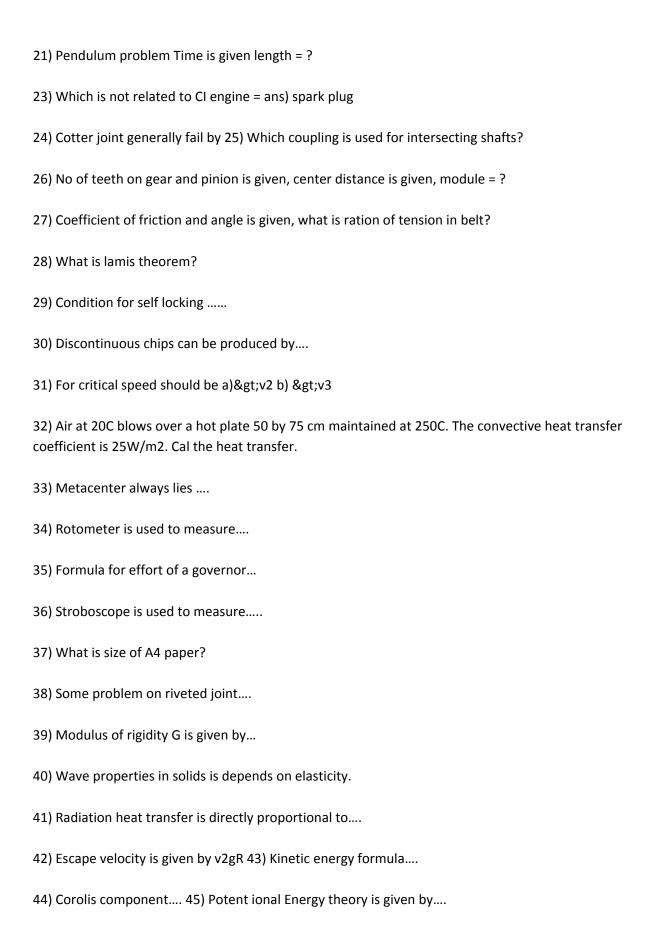
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BHEL PAPER - 07 AUG 2008

BHEL paper consists of two parts.

A) Technical B) Aptitude
Both parts consists 120 marks each. There is negative marking which 0.2.
Technical paper 1) How many links in slider crank mechanism?
2) Deflection of cantilever beam subjected to end point load?
3) Stress concentration factor Kf =?
4) What is the unit of BHN?
5) What is efficiency of riveted joint?
6) Composition of Munz metal?
7) One shaft is subjected to torque 1700 N-m having shear strength of 40Mpa. Determine the diameter?
8) A reversible engine is working between the 600F and 60F. Carnot efficiency is equal to = 9) Coefficient of restitution lies between =
10) Pectlet number is equal to = a)Re*Nu b)Re*Pr c)Re*Gr
11) Formula of effectiveness of heat transfer =
12) Emissivity depends on 13) Reynolds number formula
14) Production process for AI? 1
5) Thick metals welded by following processes
18) Cutting forces decreases by = a) increasing rake angle b) decreasing rake angle c) increasing relief rake angle
19) Some problem on Mohr's circle radius
20) Volumetric strain =

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