

GAIL Placement Paper

- 1) Pitot tube is used to calculate the velocity of ?
- 2) To eradicate the over turning of vehicle which has to be done. Reduce the mass, Reduce the Speed, Make the CG down for the vehicle.
- 3) Why governing is required in the turbine.
- 4) Why air vessel is placed in the reciprocating pump.
- 5) A problem on the blade speed of the impulse turbine.
- 6) Formula for specific speed of turbine.
- 7) What is the operation we perform in the CAD to fill the patches.
- 8) What is the meaning of cast iron SG 400/15
- 9) What happens to the cast iron rod when manganese is added to it.
- 10) Hardness of the cast iron bar can be increase which process.
- 11) Which type of fit is involved in G6/g7
- 12) What happens to material in spinning operation.
- 13) Why multi point cutting tool is used.
- 14) How can be directional solidification eradicated.
- 15) What type of welding is used to weld molen metal.
- 16) Two questions on stress concentration factor.
- 17) A question asked on usage of keys.
- 18) Type of bolt used in heavy machinery.
- 19) A theatre providing e ticketing is maintained by which platform. This is question related to management.
- 20) Three questions on gear mating.
- 21) If  $l/r$  ratio is increased what happens to its primary and secondary forces.
- 22) Maximum value of  $x$  power  $1/x$ .
- 23) Slope of the curves  $Y= a$  power  $X$  and  $Y=b$  power  $X$
- 24) Two questions on intergration.

- 25) A question on variable and operation cost in management science.
- 26) Significance of Biot number.
- 27) Wavelength range of Thermal radiation
- 28) Mode of heat transfer from a chilled cococola bottle.
- 29) Two question on type of heat exchangers
- 30) Which of the following is the intensive property. Mass, Volume, Specific enthalpy, Density
- 31) Process occuring in Carnots cycle.
- 32) Max Efficiency for same CR in Otto, Diesel and Dual.
- 33) Probelmatic question on energy supplied in steam turbine unit by giving the pressure limits.
- 34) Which will have high COP value a. 20 deg super heat or b. 20 deg subcooled.
- 35) Given an equation for average velocity and asked to calculate the covective acceleration at specified length.