Thermal Conductivity (Principle of Exp.)

1.	What is the aim of this experiment ?
2.	What is thermal conductivity ?
3.	What is bad conductor explain ?
4.	What is Lee's apparatus ?
5.	What is Lee's method ?
6.	What is specific heat ?
7.	What is the SI unit of thermal conductivity ?
8.	What is Heat conduction ?
9.	What is temperature gradient ?
10.	What is convection ?
11.	What is radiation ?
12.	In this experiment, where is conduction occured ?
13.	In this experiment, where is convection occured ?
14.	In this experiment, where is radiation occured ?
15.	What is poor conducting material ?
16.	What is the formula used in this experiment ?
17.	What is conductor ?
18.	Difference between good conductor and bad conductor.

19.	What Searles apparatus ?
20.	In which types of material conductivity mesured by using searles apparatus ?
21.	Difference between Lee's apparatus and Searles apparatus.
22.	What is wennean constant, how it measured ?
23.	What is least count count, how it measured ?
24.	Which perameters are constant in this experiment ?
25.	Which perameters are vasiable in this experiment ?
26.	Define dependent of thermal conductivity ?
27.	Explain thermal condiuctivity depen on the nature of the material.
28.	In this experiment, why 10°C temperature increasing
29.	Is thermal conductivity incneasing, by incneasing temper
30.	What is heat transfered ?
31.	How many types of heat transffering process ?
32.	What is Fourier law of heat conduction ?
33.	Write down the exact value of specific heat (Brass)
34.	Write down the unit of specific heat.
35.	Write down the thermal conductivity of the bad condu
36.	Explain the internal case of a bad conductor.
37.	Explain the heat flow flowing direction in this ex
38.	Write down the dimension of thermal conductiv

Limitations of this experiment. How error calculate, process of reducing error.

39	What is thermal Equilibrium?
40.	What is the main purpose of this experiment?
41.	Write down the heat equation of this experiment?
42.	Write down the temperature vs time curve, in this exp.
43.	Draw the ~~least~~ apparatus and point out, radiation, conve
44.	What is 1st and 2nd slab in this exp.
45.	Write some physical significance of this exp.
46.	Write down the zeroth law of thermodynamics.
47.	Does Newton's law of cooling hold for any difference of temper

Thermocouple/ Thermoelectric power

1.	What is the aim of this experiment?
2.	What is thermocouple?
3.	Write down the principle of thermocouple.
4.	What is thermoelectric sensor?
5.	What is thermoelectric power?
6.	What is calibration curve?
7.	What is temperature?
8.	What is unknown ~~resi~~ temperature?
9.	Why difference metals are added in a thermocouple
10.	What is thermometer?
11.	Write down the principle of thermometer.
12.	What is thermoelectric effect?
13.	How many types of thermoelectric effect?

Limitations of thermocouple, how to remove errors of this Exp. discuss.

14.	which effect applied in this experiment ?
15.	Explain seebeck effect ?
16.	What is hot junction ?
17.	what cool junction ? & indication.
18.	Explain thermoelectric effect.
19.	What is thermoelectromotive force ?
20.	Write down the equation of thermoelectric power.
21.	What is multimeter ?
22.	How electric voltage is generated across the thermoelectric circuit ?
~~23.~~	
24.	Write down the exact value of thermoelectric power.
25.	Write down the calibration curve.
26.	What is calibration ?
27.	What is the SI unit of thermoelectric power ?
28.	When same metal used in thermocouple, what is occur
29.	Which parameters are used as variable in this exp
30.	What is measurement junction ?
31.	what is reference junction temperature ?
32.	Write down the temperature measuring instrument
33.	Why we can used thermocouple for measuring temperature ? what is thermal E.M.F.
~~34.~~	
35.	physical significance and atvantage of thermoco