



Sardar Vallabhbhai National Institute of Technology, Surat

Subject: Thermodynamics-I (Practical Quiz)

Roll No:

Batch:

Max. Marks: 20

Date: 21/04/2011

Instructions:

Attempt only 20 Questions (Time Limit: 1 Hour)

Any mischief behavior will lead to negative marking, strictly.

- _____ is the lowest temperature at which there will be enough flammable vapour to ignite when an ignition source is applied.
- Flash point of given sample for closed cup tester is _____ than that of open cup tester (higher, lower, equal)
- What was the measured flash point and fire point of given sample of Oil during open cup laboratory testing? Ans: Flash Point _____ °C & Fire Point _____ °C
- Measured flash point of given sample of diesel during open cup test was _____ °C and during closed cup _____ °C
- During test condition _____, it is required to correct the measured flash point and fire point of a given sample. (at atmospheric, less than atmospheric, higher than atmospheric)
- Flash point measured by _____ conditions gives true value (closed, open)
- Material of cup used in open cup/closed cup test is _____
- Name of open cup tester and closed cup tester for measuring flash point and fire point are _____ and _____ respectively.
- Grease Penetrometer is used to determine _____ as a measure of the consistency of grease.
- Formula for determining kinematic viscosity by Redwood viscometer _____
- Viscosity of liquid _____ and for gas _____ as temperature decreases (decreases, increases, remain unaffected)
- Viscosity measured by Redwood viscometer is _____ viscosity (kinematic, dynamic)



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13. Viscosity of fluid up to 2000 Redwood seconds can be measured by Redwood viscometer no. _____
14. _____ is a unit equal to one gram per centimeter per second and _____ is one square centimeter per second.
15. _____ is a number indicating the effect of change of temperature on the viscosity of oil.
16. _____ viscosity index signifies relatively small changes of viscosity with temperature. (High, Low)
17. Relation between kinematic and dynamic viscosity: _____
18. Unit of viscosity measured by Redwood viscometer: _____
19. Redwood viscometer no.2 measures viscosity in Redwood seconds range beyond _____
20. Higher C.V = Lower C.V + _____
21. Calorific value of liquid/solids and gas is measure by apparatus called _____ and _____ respectively.
22. Thermocouple works on principle of _____
23. Thermocouple measures temperature in terms of _____