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CHM192: Introductory Chemistry Practical II TMA4

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Instructions: Answer All .

After Submission, you will not be able to answer these questions

Question 1 : If a procedure says weigh accurately about 0.8g, which of these balance will you use?

- ☒ Analytical
- ☐ Top-loading
- ☐ Beam
- ☐ Spring

Question 2 : If a substance has finite boiling point, it can be concluded that it (is)

- ☐ can be measured
- ☐ can sublime
- ☒ pure
- ☐ impure

Question 3 : I. Electric II. Mechanical III. Hot plate. Which of this/these stirrer is magnetic?

- ☐ I only
- ☐ I and II only
- ☒ II only
- ☐ III only

Question 4 : In the laboratory, which of the following scale is employed in measuring mass more accurately?

- ☐ Hydraulic
- ☐ Iron
- ☒ Digital weighing
- ☐ Spring balance

Question 5 : When a reaction is said to be thermally _____ , then _____ is necessary .

- ☐ high/cooling



Question 6 : In which of these liquids is the applied force directly related to viscosity?

- ☐ Pseudoplastic
- ☐ Newtonian
- ☒ Dilatant
- ☐ Thixotropic

Question 7 : What effect does applied force have on viscosity of water?

- ☒ Remains the same
- ☐ Decreases
- ☐ Increases exponentially
- ☐ Increases

Question 8 : Fractional distillation is used to purify material containing only small amounts of impurities with much higher or lower boiling

- ☒ Incorrect
- ☐ None of the above
- ☐ That's true
- ☐ Not sure

Question 9 : Most samples are hygroscopic, therefore needs to be protected with a_____.

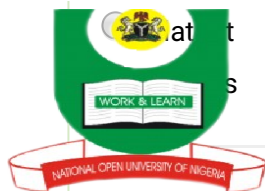
- ☐ crucible
- ☐ Glassware
- ☒ Dessicator
- ☐ Plastic bottle

Question 10 : The viscosity of all liquids varies inversely with temperature.

- ☐ None of the above
- ☒ Not true
- ☐ Correct
- ☐ NOT SURE

Question 11 : Soaps,tars, vegetable oils,glue and gels are all examples of _____ liquids.

- ☐ Newtonian
- ☐ Thixotropic



Question 12 : Which of the heating methods will a boiling flask and condenser attached together?

- ☐ Steam bath
 - ☐ Heating mantle
 - ☐ Hot water bath
 - ☒ Refluxing
-

Question 13 : Deliquescent samples should be stored in the _____.

- ☒ Dessicator
 - ☐ Evaporating dish
 - ☐ Erlenmeyer flask
 - ☐ Beaker
-

Question 14 : I. Voltage II. Temperature III. Air current IV. Level of vibration. Which of these can affect the weighing balance?

- ☐ I,II,III
 - ☐ I,II,IV
 - ☒ I,II,III,IV
 - ☐ I,III,IV
-

Question 15 : What is the colour change of a Drierite when it becomes ineffective?

- ☐ Pink to Blue
 - ☒ Blue to Pink
 - ☐ Green to Blue
 - ☐ Red to Pink
-

Question 16 : Safety flame is also as _____ flame in Bunsen burner.

- ☐ Clear
 - ☒ Yellow
 - ☐ Red
 - ☐ Blue
-

Question 17 : Which of these stirrers allows stirring to done at constant temperature?

- ☐ Magnetic
- ☒ Hot plate



Question 18 : What is/are the factors considered in selecting a heating method?

- ☐ Reaction condition, chemicals and physical material properties
- ☐ Reaction condition and chemicals
- ☒ Reaction condition and physical material properties
- ☐ Chemicals and Physical material properties

Question 19 : Which of the separation technique employs the combination of air and gravity pressure?

- ☐ Centrifugation
- ☐ Stirring
- ☒ Filtration
- ☐ Decantation

Question 20 : One of these sources of error cannot easily be detected in the concluding analytical figures.

- ☐ None of the above
- ☒ Weighing
- ☐ Calculation
- ☐ Measurement

Submit