47 Yash Salang _ DIAD CHEMISTRY TEST 23/07/2021 In good be the aced value and why?

In good be bricating oil, the acid value should be less than 0.1. Reason: Increase in aid value should be taken
as an indicator of oxidation of the oil which
may load to gum and sludge formation
besides corresion. Ja. (That is the formula for acid value?

Acid value: Value of KOH required for neutralization

X Normality of KOH X 56

Weight of all sample. J3. Define Saponitication. Saponification is a process that involves the conversion of fat, oil or lipid into soap and alcohol by the action of aqueous alkali. 94. What is formula for saponification value.

Saponification value = Value of KOH consumed X

Normality of KOH x 56

Weight of oil in grams 95. How is aspirin synthesized? Give reaction.
To prepare aspirin, salicytic acid is reacted with on excess of acetic anhydride. A small amount of a

strong acid is used as a catalyst hore, phosphoric acid will be used as the catalyst. Restrois The synthesis reaction of aspirin is shown below.

HO-E OH H-O-C HO-C-CH3

HO-E OH HO-C HO-C HO-H

Salighte and acetic and aspirin water Acetylation of salicylic acid to give aspirin Qs. What is electroplating? Electroplating is the process of by which the coating metal is deposited on the love metal by passing electrical wrient through an electrolytic solution, containing the soluble salt of the coating metal. The base metal is made rathode. Inode is the pure coating metal. 97. What is the principle of Flame photometry?

Flame photometry relies on the principle

that an alkali metal salt drawn into a non-luminus Home photometric analysis counts the number of photons emitted per unit fine at once particular wavelength from the flame in which solution containing potassium ion is dispersed.

98 Write two significance of Moisture Analysis of coal. 1. Moisture reduces calorific value of coal.

2. Considerable amount of heat is wasted in evaporating moisture during combustion.

3. Coal Cost is added up as water is transported at Ga. flow unknown is determined in Flame photometry?

The calibration were is plotted of emission intensity of solution against concentration of solution in ppm (parts per million). As emission intensity of sample is known, concentration of sample in ppm can be calculated using the worre plot. Pio. What do you observe in the electroplating experiment?

A) thin uniform wat of Infan was
deposited on the ison ship.