DLABISI ONABANJO UNIVERSITY DEPARTMENT OF BIOCHEMISTRY 2013/2014 HARMATTAN SEMESTER EXDAMINATION COURSE CODE: BCH 411 DATE 31" October 2014 COURSE TITLE: PLANT BIOCHEMISTRY TIME ALLOWED: 2 Hours INSTRUCTION: Answer four (4) questions ONLY. support of this important medicinal use:



Hibiscus subdoriffs callys is widely used in Arabambi community as an antihypertensive herb. Francisca is a research student of BioChemistry who is interested in providing scientific data in

List the different steps that Francisca may use in going about this study.

b. Describe a biochemical method that can be used by Francisca in extracting the components of W. sabdariffa calvs.

 List 4 other biochemical methods of extracting the bioactive components of plant. And state 1. advantage and 1 disadvantage of each method. super critical stuld-

ashraction What are plant secondary metabolites? Describe the following plant phytochemicals and state their medicinal values:

Alkaipids

Flavonoids

along druger hallucinals of plants pridary metabolites in drug development portes as The hour tast Chiorophyll is a major light-gathering pigment in photosynthesis. Discuss?

b. Write short note on the following

I. Bacterie photosynthesis

Calaroplasts

III Plant photosystem

a What are plant Hormones? on of against in Plant Coll that gramu b. Describe the blochemical roles of the following Plant Hormones

Auxins

II. Jasmonates

iii. Gibberellins

or framulate and embres