Enrollment No: _____ Exam Seat No: _____

C.U. SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Pharmacognosy and Phytochemistry II - Theory
Subject Code: BP504T **Branch: B. Pharm**
Semester: 5 **Date: 02/03/2020** **Time: 10:30 To 01:30** **Marks: 75**

Instructions:
(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q-1 **Attempt the following questions:** **(20)**

a) Define Chromatography and give its application.
b) Give the utilization of digoxin and Quinine.
c) Define Tracer Technique.
d) Give utilization of vincristine and vinblastine.
e) Give B.S and chemical constituent of drug used in rheumatoid arthritis.
f) Explain the identification test of menthol.
g) Give difference between Black catechu and Pale Catechu.
h) Define Maceration
i) Write importance of Tracer Technique.
j) Write B.S and uses of Deadly night shade leaf.

Attempt the following questions:

Q-2 **Attempt any two of following :** **(20)**

A	Explain Shikkimic Acid pathway in detail.	**10**
B	Enumerate various Spectroscopy method and explain them in detail.	**10**
C	Write a detail note on Digitalis and Opium.	**10**

Q-3 **Attempt any Seven of following :** **(35)**

A	Explain the steps used in tracer technique.	**5**
B	Write the B.S , morphology, microscopy, chemical constituent and uses of Belladona.	**5**
C	Give Isolation , Identification and estimation of Caffiene.	**5**
D	Describe industrial production, estimation and utilization of Atropine.	**5**
E	Give the B.S , chemical constituent and uses of (a)Vinca (b) Clove.	**5**
F	Give Isolation , Identification and estimation of Podophyllotoxin	**5**
G	Explain any two drug belonging to class of volatile oil.	**5**
H	Write industrial production, estimation and utilization of Sennoside.	**5**
I	Give the B.S , chemical constituent and uses of Liquorice and Asafoetida.	**5**