Dr. B.C. Roy College of Pharmacy and Allied Health Sciences

Ph. : (0343) 253 2678/79
Mob. : +91 7477788556
Telefax : (0343) 253 2679
e-mail : bcrcp_dgp@yahoo.co.in
contact@bcrcp.org
www.bcrcp.ac.in

Approved by PCI & AICTE and Affiliated to MAKAUT, W.B., WBSCT&VE&SD
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur - 713206, West Benga

ASSIGNMENTS

The assignments should enable students to see the purpose for their study and some definite objectives to be achieved. The objectives of the lesson are essential in giving direction and definiteness to the pupils' thought and activities.

The procedure to be followed by the students in doing the work assigned must be explained by the teacher to make the study period effective. The purpose of the lesson assigned must be made known to the students and be recognized by them so that their interest may be stimulated. This refers to the integration of the past and the new lesson or to the principles of the appreciative learning. The psychological principle of apperception is thus given full recognition in the assignment function. Where the elements of appreciative experience are present, the teacher needs to direct the students in the use of such for interpretive purposes.

Another important function of the assignment is the recognition of individual differences. All studies in mental measurements agree that among students there exist vast differences in intelligence, aptitudes, and temperaments. Even interests of students are found to be widely divergent. Students work with more vigor, ease, and pleasure when the things they do are in conformity with their interests. It is, therefore, exceedingly important that the assignment provides for these varied interest, aptitudes, and abilities of the pupils.

M. Pharm. 1st Year 1st Semester, 2022 2nd CA
COURSE: M. Pharm (Pharmacology).

PAPER: Advance Pharmacology **CODE: MPT-1082**
2nd Continuous Evaluation **Full Marks: 25**

WRITE THE ASSIGNMENT (IN YOUR OWN HANDWRITING) IN AN A4 PAPER AND UPLOAD IN PDF FORMAT

Assignment/Topic	Map. CO	Marks
1.Write an explanatory note on why drug biotransformation is necessary?		5
2.The graph in the below figure, has shown the plotted result of an experiment in which a 30 mg IV bolus drug Y was given at a time 0 and measurement of plasma concentration of the drug were taken over the next 5 days. The labelled data point indicates the actual plasma concentration in mg / millilitres for each of the 5 days (note: using the information contained in the graph, answer the following questions –concerning the pharmacokinetics parameters of drug Assume that drug Y is distributed instantly throughout its volume of distribution.) 2.a Determine the half-life ($t_{1/2}$) 2.b Determine the volume of distribution (V_D) 2.c Determine the clearance (CL)	1 2 2	

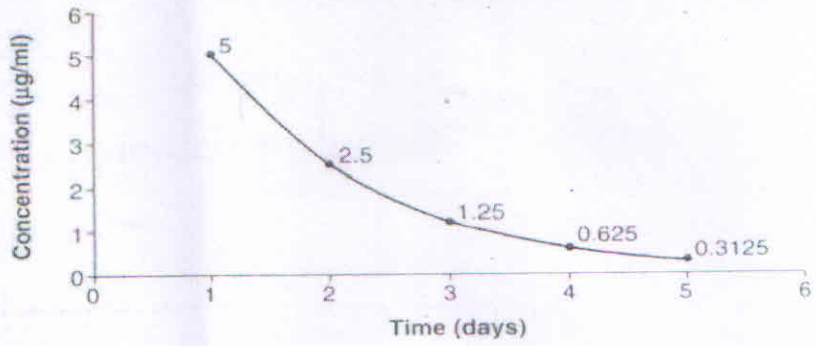
Dr. B. C. Roy College of Pharmacy & A.H.S. Durgapur

Prof. (Dr.) Subhabrata Ray
Principal, M. Pharm, Ph.D.
Dr. B. C. Roy College of Pharmacy & A.H.S.
Bidhannagar, Durgapur-713206, Burdwan

Dr. B.C. Roy College of Pharmacy and Allied Health Sciences

Ph. : (0343) 253 2678/79
Mob. : +91 7477788556
Telefax : (0343) 253 2679
e-mail : bcrcp_dgp@yahoo.co.in
contact@bcrcp.org
www.bcrcp.ac.in

Approved by PCI & AICTE and Affiliated to MAKAUT, W.B., WBSCT&VE&SD
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur - 713206, West Bengal



Write briefly about the various receptors involved in the drug mechanism along with the transduction pathway involved and the various second messengers released, also enlist the various agonist and antagonist involved. Also describe the cellular and molecular mechanism of desensitization of receptors and its explain the therapeutic relevance		15

ASSIGNMENT AND CO. MAPPING

CO	NO OF QUES.	MARKS
	1	5
	2	5
TOTAL	2	10

INSTRUCTIONS

1. Assignment should be written in own hand writing with blue/black pen
2. No typing or print document should be submitted
3. Mention page number properly at the right bottom corner of each page
4. Attach the front page (as supplied) and scan the A4 sheet serially
5. Scan pdf file should be renamed as <Roll no>_<your name>

B. Pharm. 2nd Year 3rd Semester, 2021

COURSE: B. PHARM

PAPER: Pharmaceutical Organic Chemistry **CODE: PT 314**

2nd Continuous Evaluation **Full Marks: 25**

WRITE THE ASSIGNMENT IN AN A4 PAPER AND UPLOAD IN PDF FORMAT IN THE UPLOADING

Assignment/Topic	Map. CO	Marks
Discuss Huckel's rule and predict the aromaticity of the following compounds 1)Thiophene 2)1,3,5-Cycloheptatriene 3)Pyrrole 4)Cyclopentadienideanion 5) Anthracene 6) Furan 7) Cyclobutadiene 8) 1,3,5-Cyloheptatriene cation 9) Pyridine 10) 1,3,5,7-cyclooctatetraene	C0.PT 314.1	25

CO	NO OF QUES.	MARKS

Prof. (Dr.) Subhabrata Ray
Principal, M. Pharm, Ph.D.
Dr. B. C. Roy College of Pharmacy & A.H.S.
Bidhannagar, Durgapur-713206, Burdwan

Dr. B. C. Roy College of Pharmacy & AHS Durgapur

Dr. B.C. Roy College of Pharmacy and Allied Health Sciences

Ph. : (0343) 253 2678/79
Mob. : +91 7477788556
Telefax : (0343) 253 2679
e-mail : bcrcp_dgp@yahoo.co.in
contact@bcrcp.org
www.bcrcp.ac.in

Approved by PCI & AICTE and Affiliated to MAKAUT, W.B., WBSCT&VE&SD
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur - 713206, West Bengal

ASSIGNMENT AND CO. MAPPING	CO. 1	1	25
	CO. 2		
	CO. 3		
	CO. 4		
	CO. 5		
	TOTAL	1	25

INSTRUCTIONS

1. Assignment should be written in own hand writing with blue/black pen
2. No typing or print document should be submitted
3. Mention page number properly at the right bottom corner of each page
4. Attach the front page (as supplied) and scan the A4 sheet serially
5. Scan pdf file should be renamed as <Roll no>_<your name>

B. Pharm. 2nd Year 5th Semester, 2021
COURSE: B. Pharm

PAPER: Pharmacognosy & Phytochemistry II **CODE: PT-512**
2nd Continuous Evaluation **Full Marks: 25**

ANSWER ALL THE QUESTIONS.

Q. No	Question	Map. CO	Marks
1	Application of IR spectroscopy in the analysis of Phytochemicals (Mention one alkaloid and one flavonoid)	CO. 4	25

QUESTION PAPER AND CO. MAPPING	CO	NO OF QUES.	MARKS
	CO. 1		
	CO. 2		
	CO. 4	1	25
	TOTAL	1	25

INSTRUCTIONS

1. Assignment should be written in own hand writing with blue/black pen
2. No typing or print document should be submitted
3. Mention page number properly at the right bottom corner of each page
4. Attach the front page (as supplied) and scan the A4 sheet serially
5. Scan pdf file should be renamed as <Roll no>_<your name>

B. Pharm. 4th Year 7th Semester, 2020-21
COURSE: B. PHARM

PAPER: INSTRUMENTAL METHODS OF ANALYSIS **CODE: PT-711**
2nd Continuous Evaluation **Full Marks: 25**

WRITE THE ASSIGNMENT IN AN A4 PAPER AND UPLOAD IN PDF FORMAT IN THE UPLOADING SECTION OF GOOGLE FORM.

Assignment/Topic	Map. CO	Marks

Prof. (Dr.) Subhabrata Ray
Principal, M. Pharm, Ph.D.
Dr. B. C. Roy College of Pharmacy & A.H.S.
Bidhannagar, Durgapur-713206, Burdwan

B. C. Roy College of Pharmacy & AHS Durgapur

Dr. B.C. Roy College of Pharmacy and Allied Health Sciences

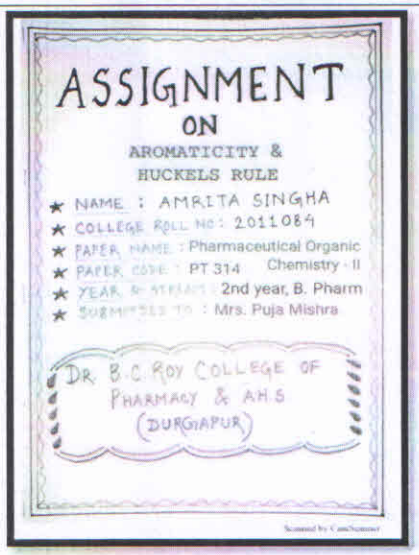
Ph. : (0343) 253 2678/79
Mob. : +91 7477788556
Telefax : (0343) 253 2679
e-mail : bcrcp_dgp@yahoo.co.in
contact@bcrcp.org
www.bcrcp.ac.in

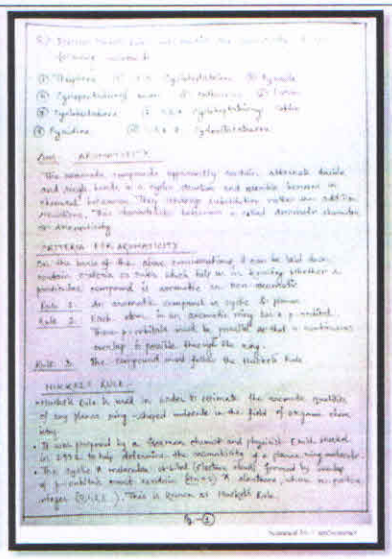
Approved by PCI & AICTE and Affiliated to MAKAUT, W.B., WBSCT&VE&SD
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur - 713206, West Bengal

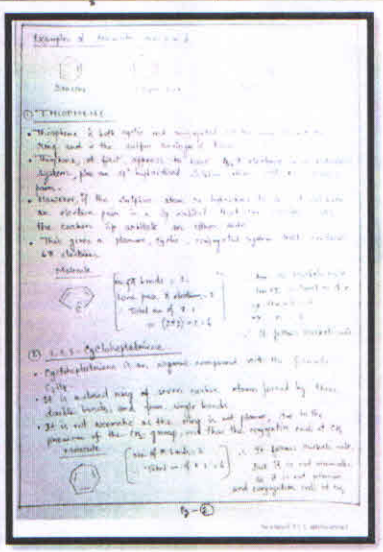
IR spectroscopy Introduction, fundamental modes of vibrations in poly atomic molecules, sample handling, factors affecting vibrations Instrumentation - Sources of radiation, wavelength selectors, detectors - Golay cell, Bolometer, Thermocouple, Thermister, Pyroelectric detector and applications analysis	3	25

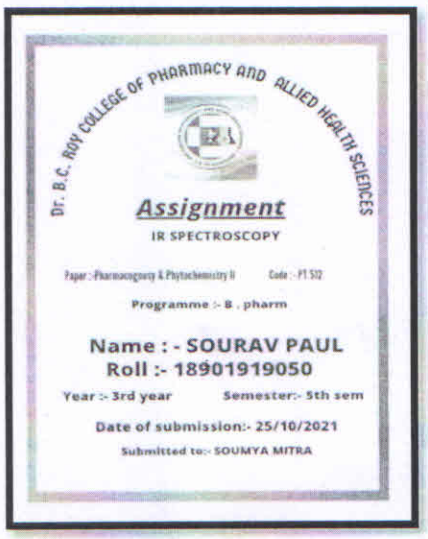
ASSIGNMENT AND CO. MAPPING

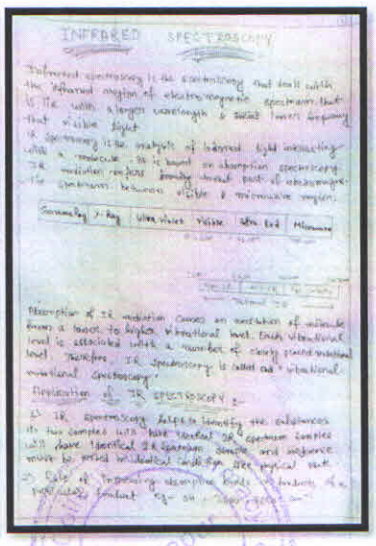
CO	NO OF QUES.	MARKS
CO. 1		25
CO. 2		
CO. 3	CO3	
CO. 4		
CO. 5		
TOTAL	1	25

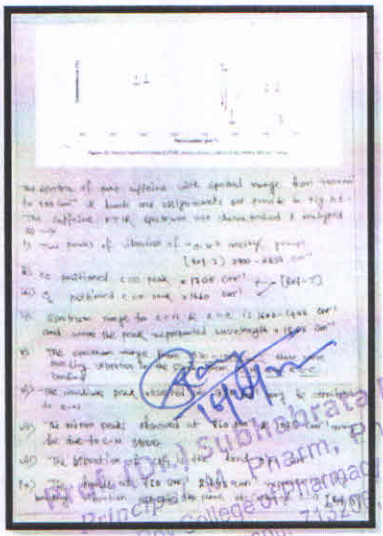

ASSIGNMENT
ON
AROMATICITY &
HUCKELS RULE
★ NAME : AMRITA SINGHA
★ COLLEGE ROLL NO : 2011084
★ PAPER NAME : Pharmaceutical Organic
★ PAPER CODE : PT 314 Chemistry - II
★ YEAR & SEMESTER : 2nd year, B. Pharm
★ SUBMITTED TO : Mrs. Puja Mishra
DR. B.C. ROY COLLEGE OF PHARMACY & AHS (DURGAPUR)






Dr. B.C. ROY COLLEGE OF PHARMACY AND ALLIED HEALTH SCIENCES
Assignment
IR SPECTROSCOPY
Paper :-Pharmacognosy & Phytochemistry II Code :- PT 502
Programme :- B . pharm
Name : - SOURAV PAUL
Roll :- 18901919050
Year :- 3rd year Semester:- 5th sem
Date of submission:- 25/10/2021
Submitted to:- SOUMYA MITRA


INFRARED SPECTROSCOPY



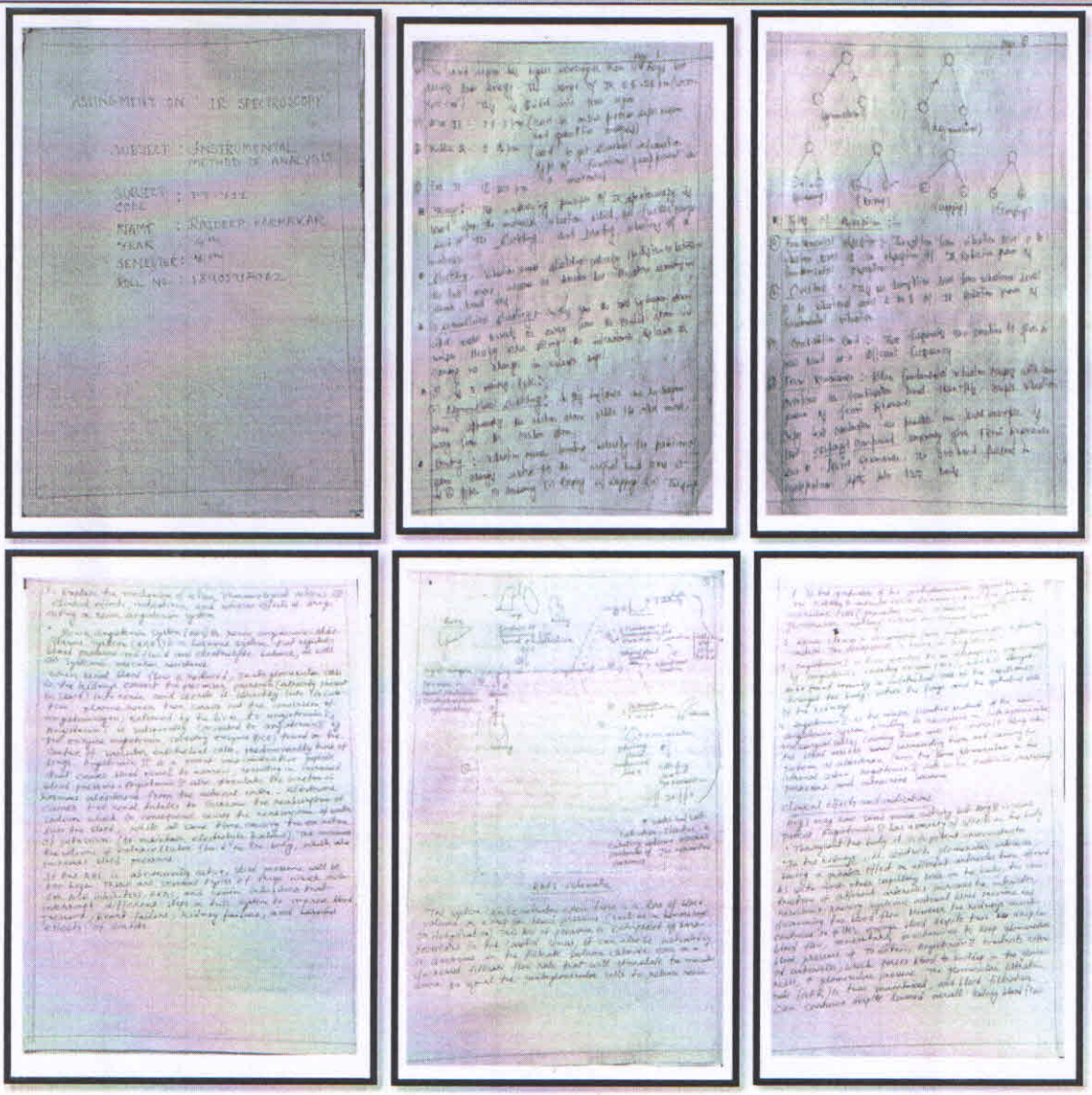
Dr. B. C. Roy College of Pharmacy & A.H.S.
Durgapur

Dr. Subhabrata Ray
Ph.D.
Principal
Dr. B. C. Roy College of Pharmacy & A.H.S.
Bidhannagar, Durgapur-713206, Burdwan

Dr. B.C. Roy College of Pharmacy and Allied Health Sciences

Ph. : (0343) 253 2678/79
Mob. : +91 7477788556
Telefax : (0343) 253 2679
e-mail : bcrcp_dgp@yahoo.co.in
contact@bcrcp.org
www.bcrcp.ac.in

Approved by PCI & AICTE and Affiliated to MAKAUT, W.B., WBSCT&VE&S
Dr. Meghnad Saha Sarani, Bidhannagar, Durgapur - 713206, West Beng



Prof. (Dr.) Subhabrata Ray
Principal, M. Pharm, Ph.D.
Dr. B. C. Roy College of Pharmacy & A.H.S.
Bidhannagar, Durgapur-713206, Burdwan

Roy College of Pharmacy & A.H.S. Dr. B. C. Durgapur