B.Sc. III Year Paper-XXI (CH-307) Practicals

Max.Marks:60 Time: 7 Hrs. (One day in two sessions i.e. 9:00AM-12:30PM and 1:30PM-5:00PM)

Section-A (Inorganic)

Semimicro qualitative analysis of mixture containing not more than four radicals (excluding interfering, Combinations and insoluables):

Section-B (Physical)

- 1. To determine the strength of the given acid solution (mono acid only) conductometrically.
- 2. To determine the solubility and solubility product of a sparingly soluble electrolyte conductometrically.
- 3. To determine the strength of given Ferrous ammonium sulphate solution potentiometrically.
- 4. To determine the molecular weight of a non-volatile solute by Rast method.
- 5. Prepration of acidic and basic buffers and comparison of their pH with theoretical values.
- 6. To determine the specific rotation of optically active substance (any two).

Section-C (Organic)

1. Thin Layer Chromatography

(Determination of R_f values and identification of organic Compounds)

Separation of a mixture of coloured organic compounds using common organic solvents.

- 2. To separate the binary liquid mixtures using distillation.
- 3. Synthesis of the following organic compounds:
 - (a) To prepare salicylic acid from Aspirin.
 - (b) To prepare p-bromoaniline from p-bromoacetanilide.
 - (c) To prepare m-nitroaniline from m-dinitrobenzene.
 - (d) To prepare S-Benzyl-iso-thiouronium chloride from Thiourea.

Distribution of marks

1.	Section- A	15 marks
2.	Section-B	15 marks
3.	Section-C	15 marks
4.	Viva-voce	05 marks
5.	Lab Record	10 marks

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KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act XII of 1956)

B. S. TIL year EXAMINATION, 200 July 2022

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	1			M (M-E)
No.	Roll No.	Signature of the Candidate before the Principal	re Signature of the the Practical Exa	Candidate before
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2	191038302	SevinL	Ruin	Quin!
3	191038303	Tanu	Tanu	Tonu
4	191038304	Toubli Saini	Teubti Sain	Tailoti Sain
5	191038305	Mehak	Mehak	Marak
6	191038306	Poya	Parja	Parja
7	191038308	Aarth.	Agenti	Agri 1
8	191038310	Vijeta Rani	Wieta Rani	Visieta Rani
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KURUKSHETRA UNIVERSITY, KURUKSHETRA

B.Sc III year EXAMINATION, 200 July 2022

PRACTICAL Chart for Preparing List of each group for Pra	cticals i	n Science ar	nd other S	Subjects		
Control of Written Examination 1. G.	N.	college	LAI	WA_		
Subject CHEMISTRY CH-307	_ Date	College	LA:	DWA		
Group III	_ Time	9100	AM T	A:00	PM	(M-E)

Sr.No.	Roll No.	Signature of the Candidate before the Principal	Signature of the Carthe Practical Examine	
1	180037737	Salil	Salul	Salis.
2	191038312	Fixta Dali	Exta Davi	Exta Devi
3	191038314	Bhish	Bhish	Finan
4	191038318	Manbrut Kauy	Mantoust kaus	Manparet ka
5	191038320	Poota oeri	Pooder Devi	Poofe Devi
6	191038322	Divda	Divis	Divys.
7	191038323	Kajal	Kajal	Kajali
8	191038324		Jydto Devi	Jyoto Dev
9	191038326		Komal	Komal
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12	1910 38333	tomal	Komal	Konal
13	191038334		Aires	Muck.
14	191038335	Haushot	Hauser	House
15	191038336	davin Bhan	Masin Bhou	dasin Ela
16	191038337		Vorshipa -	Vanslika
(a)	191038338		Tyoti Rani	Jyoti Rani
18	191038339		Jyoti Rani	TyotiRan
19	191038345		Teksha	Ishira
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Total No. of Candidates allotted by
the Principal 19
Total No. of Candidates examined by
the Examiner 19
Total No. of Candidates absent in the
Practical Examination NIL

Signature of Principal Address Ms. MANJEET RANI
Chem. Depth. MLN College Yalmuna Nager
Signature & Address of the
Co-Examiner (if any)
Dr. AMIT KUMAR
Chem. Depth 16 N college Ladwa
Envelope (ES-(42)(5). Signature of Principal Address

Envelope (ES-(42)(5).