B.A. / B.Sc. SEMESTER 2 EXAMINATION, 2021 FAKIR CHAND COLLEGE CENTRE (551)

INSTRUCTIONS FOR CANDIDATES

READ ALL THE INSTRUCTIONS CAREFULLY BEFORE WRITING ANSWERS

- 1. Total **TIME OF EXAMINATION:** 1 HOUR
- Question Paper Comprises Of Two Separate Questions CC3 (10 Marks) And CC4
 (10 Marks). Candidates Must Have To Answer The Two Question papers

 Separately And Have To Prepare Two pdf Files.
- 3. In The Answer Script Only Question Number & Correct Option To Be Mentioned. No Need
 Of Writing The Whole Answer.
- 4. ANYONE PREVIOUS SEMESTER ADMIT CARD As The Last Page Of Each pdf File
- 5. University Roll Number must be there in each pdf file name
- 6. Use Only WHITE PLAIN A4 PAPERS For Writing Answers
- 7. Use **ONLY BLACK INK** For Writing Your Answers
- 8. Give A TOP PAGE With Clear Mention Of University REGISTRATION NO. AND UNIVERSITY ROLL NO. Of Anyone Previous Semester
- 9. Give AT LEAST 1CM MARGINS In All The Four Sides Of Each Page

2021

B.A. /B.Sc. Semester 2 Examination University of Calcutta CHEMISTRY – HONOURS

INTERNAL EXAMINATION
Paper: CC3

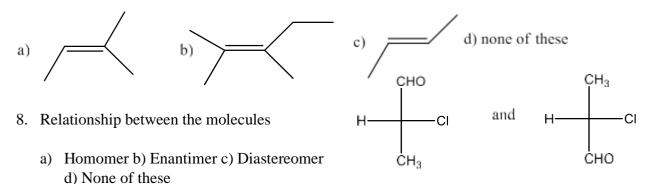
F.M. 10

FAKIR CHAND COLLEGE CENTRE (551)

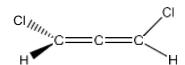
Choose the correct option in each case and report (no need to write the answer in sentence):

1x10

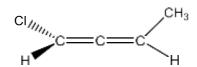
- 1. Most stable conformation of 1,2-difluroethylene is
 - a) Staggered form b) gauche form c) eclipsed form d) none of these
- 2. S_Ni reaction takes place with
 - a) Inversion of configuration b) retention of configuration c) racemisation d) resolution
- 3. Which reacts faster in S_N1 reaction
 - a) Tertiary butyl chloride b) Isopropyl chloride c) Ethyl chloride d) Methyl chloride
- 4. Base catalysed dehydration of aldol undergoes the path
 - a) E_2 b) E_1 c) E_{1cb} d) None of these
- 5. Which reacts faster in S_N 2 Path?
 - a) CH₃Br b) CH₃Cl c) CH₃F d) CH₃I
- 6. Which is the correct topic face of acetone?
 - a) diastreotopic b) homotopic c) enantiotopic d) none of these
- 7. Which molecule shows geometrical isomer?



- 9. The following molecule is an example of a) Symmetry allene b) Asymmetry allene
 - c) Dissymmetry allene d) None of these



10. Absolute configuration of the molecule is a) R b) S c) E d) Z



2021

B.A. /B.Sc. Semester 2 Examination University of Calcutta CHEMISTRY – HONOURS

INTERNAL EXAMINATION

Paper : CC4 F.M. 10

FAKIR CHAND COLLEGE CENTRE (551)

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c) octahedral

b) tetrahedral

Q.1) The shape of XeF₄ molecule is a) square planar

1x10

Q.2)	When Ga is added to Ge as an a) a n-type semiconductor is c) an insulator is formed	• •	b) a p-type semiconductor is formed
Q.3)	Crystals of AgCl exhibit a) Schottky defect	b) Metal excess defec	ct c) Frenkel defect
Q.4)	The solubility trend among the a) MgSO ₄ > CaSO ₄ > SrSO ₄ b) MgSO ₄ < CaSO ₄ < SrSO ₄ c) CaSO ₄ < BaSO ₄ < SrSO ₄	> BaSO ₄ < BaSO ₄	
Q.5)	Which is not a magic number?		
	a) 2 b) 12	c) 50	
Q.6)	The mesons have masses nearl a) 200 times the mass of an a b) 250 times the mass of an a c) 100 times the mass of an a	electron electron	
Q.7)	In nuclear reactors , the fission a) Uranium-255	able material is usually b) Uranium-238	c) Uranium-235
Q.8)	Bond order of a molecule is a) directly proportional to its b) inversely proportional to its c) not related to its bond length	its bond length	
-	Which structure is derived from dium chloride b) Wu		
Q.10)	Madelung constant depends of a) electronic configuration of c) lattice energy of the crystal	f the ions	b) geometry of the crystal