Reg. No.: .....

Max marks: 80

First Year B.Sc Optometry Degree Supplementary Examinations May 2022 Physics & Chemistry (2014 Scheme)

## Time: 3 hrs

- Answer all questions to the point neatly and legibly Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary Write section A and section B in separate answer books (32 Pages). Do not mix up questions from section A and section B.

Q P Code: 115013 Essay:	Section A – Physics	Marks: 40 (10)
-	ion and working of a Laurent's half shade polarimeter to me	· · ·
Short notes:		(3x5=15)
3. Explain how thickness	ondition for the elimination of distortion s of a thin film can be measured by Lloyd's single mirror ex reportion of electromognetic ways in an instrumic modio	kperiment
Answer briefly:	ropagation of electromagnetic wave in an isotropic media	(5x2=10)
<ol> <li>Draw the intensity dis</li> <li>Define optical rotation</li> <li>Raman scattering</li> <li>What are lens matrice</li> <li>Astigmatism and how</li> <li>Fill in the blanks:</li> <li>LASER is an acronyn</li> <li>A path difference of λ</li> <li>Our eye has maximur</li> <li>A positive zone plate</li> </ol>	es v it is eliminated n for corresponds to a phase difference of m response tocolour of light	(5x1=5)
Q P Code: 116013	Section B – Chemistry	Marks: 40
Q P Code: 116013 Essay:	Section B – Chemistry	Marks: 40 (10)
<b>Essay:</b> 1. What are carbohydrat	Section B – Chemistry tes. How are they classified. Give the sources and uses of	(10)
Essay:	-	(10)
Essay: 1. What are carbohydrat cellulose.	tes. How are they classified. Give the sources and uses of	( <b>10)</b> starch and
<ul> <li>Essay:</li> <li>1. What are carbohydrat cellulose.</li> <li>Short notes:</li> <li>2. Give the important fur</li> <li>3. Explain the term race</li> <li>4. Bring out the distingui</li> </ul>	tes. How are they classified. Give the sources and uses of	(10) starch and (3x5=15)
<ul> <li>Essay:</li> <li>1. What are carbohydrat cellulose.</li> <li>Short notes:</li> <li>2. Give the important fur</li> <li>3. Explain the term race</li> <li>4. Bring out the distinguit</li> <li>Answer briefly:</li> </ul>	tes. How are they classified. Give the sources and uses of nctions of hormones mization with suitable example ishing features of inductive effect and electrometric effect	( <b>10)</b> starch and
<ul> <li>Essay:</li> <li>1. What are carbohydratic cellulose.</li> <li>Short notes:</li> <li>2. Give the important fur</li> <li>3. Explain the term race</li> <li>4. Bring out the distinguit</li> <li>Answer briefly:</li> <li>5. What are nucleophiles</li> </ul>	tes. How are they classified. Give the sources and uses of nctions of hormones mization with suitable example ishing features of inductive effect and electrometric effect s. Give two example	(10) starch and (3x5=15)
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