**Beacon Light Academy**

**Session 2019-2020**

**Syllabus for 3rd Quarterly**

**Class : X**

1. **Pakistan Studies**

 **Geography :**

Q1--- 1.1,1.2,1.3,1.4

Q2--- 2.1,2.2,2.3,2.4 Whole Specification

Q3---- 3.1,3.2,3.3,3.4

 **History:**

Q1--- 1.1,1.2,1.3,1.4

Q3---- 3.1,3.2,3.3,3.4 Whole Specification

Q6 --- 6.1,6.2,6.3,6.4

1. **Islamiat**

Section A (1.1 --- 1.9)

Section B (2.1 --- 2.9)

Section C (3.1 --- 3.9)

1. **Urdu**

Paper 1**:** Listening Recording listening and Question Answer

Paper 2: Speaking Themes 5: Role Play and Picture display

Paper 3: Reading Urdu to English Translation , Iktabasat (passages )

Paper 4 :Writing English to Urdu Translation , essay , Letter , E-mail, blog

 **(**Formal and informal)

1. **LANGUAGE**
* Unseen Texts Analysis
* Comparison
* Etherton ( Page no 182 – 207)
* Story writing

**5.GMATHS**

* Transformation (Complete )
* Area and Perimeter of Sector
* Bearing + Trigonometry (Complete)
* All topics corered in 1st Semester.

(Sets, Function, Factor Theorem)

**6.PHYSICS**

* Waves
* Astrophysics
* Work and power
* Energy Resources and Electricity Generation
* Magnetism
* Electromagnetic Induction and Motors

**7. Business Studies**

 Chapter 1 to 15

**8.CHEMISTRY**

* Electrolysis Ch # 10
* Reactivity Series Ch # 14
* Extraction and user of metals Ch # 15
* Chemical Test Ch # 18
* Metallic bounding ch # 9
* Energetics Ch # 19
* Rates of Reaction Ch # 20
* Reversible Reation and Equilibria Ch # 21

**9. ECONOMICS**

 Ch 1— 19

**10.ACCOUNTS**

 Ch # 1 --- 35

**11. HUMAN BIOLOGY**

 Ch # 10 Micro organisms

**12. LITERATURE**

To Killa Mockingbird, An Inspector Calla , Poetry Anthology , Unseen Poem

**13. PURE MATHEMATICS**

Differentiation Chapter 9 , Integration Chapter 10 , Trigonometry Chapter 11

**14. ICT**

* Algorithms including pserdocode + written description + Flowchart + Pyrhon Coding.

Programming : loops , Nested loops , if-then- else , arrays ( input , output , search , sort, etc) 2D arrays, filing , subprograms , recursions.

**15. BIOLOGY**

* Reproduction in plants
* Chemical coordination in plants
* Pest control
* Glasshouses (Green House )
* Polythene Tunnel