**Department of Biochemistry**

**Kurukshetra University, Kurukshetra**

**Lesson plan for the month of February, 2015**

**BCH - 09 (Nutritional and Clinical Biochemistry)**

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| **Dated** | **Topic to be taught** |
| 04.02.15 | Deficiency disease associated with vitamins - continued |
| 04.02.15 | Deficiency disease associated with vitamins - continued |
| 05.02.15 | Minerals: nutritional significance |
| 11.02.15 | Minerals: nutritional significance - continue |
| 11.02.15 | Minerals: deficiency manifestation of minerals elements |
| 12.02.15 | Antinutrients occurring food born toxicant |
| 18.02.15 | Protease inhibitors, hemaglutinin, hepatoxins |
| 18.02.15 | Allegenes, oxalates, toxins from mushrooms |
| 19.02.15 | Animal foodstuffs and sea foods |
| 25.02.15 | Obesity |
| 25.02.15 | Starvation: protein, carbohydrate and lipid metabolism in prolonged fasting |
| 26.02.15 | Starvation: Role of ketone bodies during starvation. Inter-organ relationship during starvation |

**BCH - 21 (Basic Biotechnology)**

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| **Dated** | **Topic to be taught** |
| 02.02.15 | Animal Cell culture – problems and solution to contamination in tissue culture work, disintegration of tissues by mechanical and enzymatic method |
| 06.02.15 | Animal Cell culture – primary culture, passaging, primary cell lines, established cell lines, applications of animal cell culture |
| 09.02.15 | Animal cell culture - continue |
| 13.02.15 | Gene transfer into animal cells |
| 16.02.15 | Gene transfer into animal cells - continue |
| 20.02.15 | Gene transfer into animal cells - continue |
| 23.02.15 | Methods for developing transgenic animals |
| 27.02.15 | Methods for developing transgenic animals-continue |

 **(Dr. Imteyaz Ahmad)**

Dept. of Biochemistry