

**LESSON PLAN**

**Subject** : **Physiotherapy in Musculoskeletal sciences**  
**Class** : **BPT IV year (2016-17)**  
**Class Incharge** : **Dr Reema Joshi (PT)**  
**Subject Teacher** : **Dr. Amita, Dr. Mrudula, Dr. Ganesh**

**Theory – 60 hrs + Clinical – 140 hrs= 200 Hours**

<b>Sr. No</b>	<b>Topic</b>	<b>Lect. No.</b>	<b>Mode of teaching</b>
1	<b>Musculoskeletal assessment:</b>	<b>3</b>	<b>Demonstration</b>
2	<b>Fractures and Dislocations</b> -Upper extremity -Lower extremity -Spine	<b>7</b>	<b>Class room teaching (Chalk and board) /Seminar</b>
3	<b>Manifestations of trauma of bones and soft tissues</b>	<b>2</b>	<b>PPT</b>
4	<b>Inflammatory and infectious diseases of bone and joint</b> -TB Hip, Pott's spine -Osteomyelitis -Ankylosing spondylosis	<b>4</b>	<b>PPT</b>
5	<b>Metabolic disorders</b> - Osteoporosis -Osteopenia	<b>2</b>	<b>Chalk board</b>
6	<b>Overuse injuries</b> -Tennis elbow -Dequervans Tenosynovitis -Golfers elbow -Jumpers knee	<b>3</b>	<b>PPT</b>
7	<b>Common sports injuries of upper and lower limb</b> -Rotator cuff injuries - ACL injury - PCL injury - MCL injury - LCL injury -Meniscal injures	<b>5</b>	<b>PPT</b>
8	<b>Degenerative diseases</b> -Osteoarthritis -Spondylosis -Rheumatoid arthritis	<b>3</b>	<b>PPT and chalk board</b>
9	<b>Deformities of spine</b> -Scoliosis a. Primary b.Secondary	<b>2</b>	<b>PPT</b>

	<b>-Kypho-scoliosis -Kyphosis</b>		
<b>10</b>	<b>Congenital deformities -CDH -CTEV</b>	<b>2</b>	<b>PPT</b>
<b>11</b>	<b>Joint surgeries -Arthodesis -Osteotomy</b>	<b>1</b>	<b>PPT and chalk board</b>
<b>12</b>	<b>Joint replacement surgeries -THR -TKR</b>	<b>4</b>	<b>PPT</b>
<b>13</b>	<b>Peripheral nerve injuries</b>	<b>3</b>	<b>PPT</b>
<b>14</b>	<b>Neurovascular conditions -VIC -RSD -CTS -TOS</b>	<b>3</b>	<b>PPT</b>
<b>15</b>	<b>Hand injuries -Tendon transfer -Crush injuries</b>	<b>2</b>	<b>PPT and Chalk board</b>
<b>16</b>	<b>Surgeries in Polio and CP</b>	<b>2</b>	<b>Chalk &amp; board</b>
<b>17</b>	<b>Congenital malformations -Spina bifida -Meningocele -Meningomyelocele</b>	<b>3</b>	<b>PPT</b>
<b>18</b>	<b>Advanced rehabilitation protocol for fractures and soft tissue injuries</b>	<b>2</b>	<b>PPT</b>
<b>19</b>	<b>Radiological studies -X ray interpretation</b>	<b>2</b>	<b>PPT</b>
<b>20</b>	<b>Biomechanics of Internal fixators and implants</b>	<b>2</b>	<b>Demonstration</b>
<b>21</b>	<b>Tumours of bones</b>	<b>1</b>	<b>PPT</b>
<b>22</b>	<b>Amputation -Procedures -Prosthetic management</b>	<b>2</b>	<b>PPT</b>

**Total Lecture scheduled** =60 hrs  
**Total Practicals/Clinicals scheduled** =140hrs (at clinical posting)  
  
**Total** =200hrs  
  
**Total Tutorials scheduled** =10hrs  
**Doubt clearing sessions** =15hr

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