

**LONG ESSAY****2 X 20 = 40 Marks**

1. A 40 year old executive with complaints of pain around the mid thoracic spine region of gradual onset provoked by activity. Make a provisional diagnosis by clinical reasoning and rationalizing differential diagnoses. Write about the assessment and treatment for the same
2. Explain the effectiveness of weight bearing strengthening program for older in patient undergoing rehabilitatio following total right side knee replacement surgery – recent advance"

**SHORT ESSAY****6 X 10 = 60 Marks**

3. Stress reduction strategies used by sports psychologists for enhancement of athletic performance
4. Explain the technique of Mulligan's movement with mobilization for sacroiliac joint dysfunction
5. Functional capacity evaluation for a computer professional
6. Rationale for implementing closed kinetic exercises following ACL reconstruction
7. Differences and similarities between diffuse idiopathic skeletal hyperostosis and ankylosing spondylitis and their management
8. What is physiological cost index? Significance of PCI measurement in rheumatoid patients

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