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FINAL EXAM DECEMBER 2016 NATIONAL BOARD OF EXAMINATIONS

PHYSICAL MEDICINE & REHABILITATION

PAPER - I

PMR/D/16/35/I

Time : 3 hours
Max. Marks : 100
Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

١.	important developmental milestones between 0-1 year or age.	10
2.	Radiological features of rickets and scurvy.	5+5
3.	Blood supply of brain with labeled diagram(s).	10
4.	Role of Parathormone and Calcitonin in Calcium metabolism.	10
5.	Importance of rheumatoid factor, CRP and Anti-CCP in the diagnosis of rheumatoid arthritis.	4+3+3
6.	a) What are the different classes of levers?b) Give one example of each type of lever as found in human body.c) What is the mechanical advantage of each lever?	3+3+4
7.	Pathophysiology of autonomic dysreflexia.	10
8.	a) Determinants of normal human gait.b) How do they help optimize the energy consumption?	5+5
9.	What are plantar arches and how are they maintained? Write the functions of each arch and commonly found deviations.	5+5
10.	Radiological findings in early and late stages of ankylosing spondylitis.	5+5
