

**Exam For MD of Physiotherapy In:  
Medical Microbiology & Immunology**

Date: 28/3/2021

Time Allowed: 3 hours

Total Assessment Marks: 60 marks

Tanta University  
Faculty of Medicine  
Medical Microbiology &  
Immunology Department



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**Answer the following questions: (10 marks each)**

- 1- Compare between **MHC class 1 & MHC class 2**.
- 2- Define **Histocompatibility** antigens, mention its types and importance
- 3- Define **Tolerance** and mention factors influencing the induction of tolerance
- 4- **Auto immune diseases**. Definition, mechanisms and examples
- 5- **Mention theories of rheumatoid arthritis**
- 6- Compare **pathogenesis** of rheumatoid arthritis & systemic lupus erythematosus
- 7- Role of **HLA types** in predisposing to **juvenile idiopathic arthritis**
- 8- **Mention** characters and types of **adaptive immunity** .
- 9- compare between features of **innate and adaptive immunity**.
- 10- Stages of the **specific CMI immune response**.

**Good luck**



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