

**[Solid State 2] 3<sup>rd</sup> Physics Faculty of Sciences**

**Write an essay in one of the following:**

- **Crystal Structure for solid materials.**
- **Inter atomic forces and potential well.**
- **Types of solid crystals bindings.**
- **Bragg's law and reciprocal lattice.**
- **Scattering Form factor and methods for x-ray diffraction.**

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