Section: Mathematics Second level

Final-Exam of 2st term, 2020-2019



Kafrelsheikh University **Faculty of Education**

Dynamics II Essay research Write on one of the following Subject 1 Moments of inertia and its product and applications. Subject 2 Motion of a particle on a smooth curve and applications. **Subject 3** Constrained motion and applications. Subject 4 Central orbits and applications. Subject 5 Planetary motion and applications. Subject 6 **Celestial Mechanics and Kepler's laws and applications** Subject 7 Motion of a particle in three dimensions and applications **Subject 8** Motion of rigid body in two dimensions and applications Subject 9 Translational and rotational motion of rigid body and applications Subject 10 The compound pendulum and applications