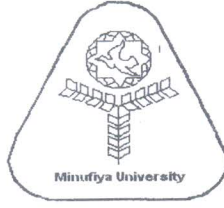


Menoufia University
Faculty of Electronic Engineering
Physics & Math Department
Preparatory Year
1st Term Final Exam



Engineering Physics (1)
Properties of Matter
Time Allowed: 90 minutes
Max. Degree: 45
Date: 12:1:2020

أجب عن الأسئلة التالية

1-Deduce the dimension of: (10 Marks)

- (a) Coefficient of Elasticity.
(b) Surface Tension.

2- Write short notes about sound waves. (5 Marks)

3- Explain why sound travels faster in warm air than cool air . (5 Marks)

4- What is Doppler effect. (5 Marks)

5- Discuss the standing waves in air columns. (5 Marks)

6- Define: (6 Marks)

- a- Shear Modulus
b- Bulk Modulus

7-What's meant by (give an example): (9Marks)

a-Laminar and Turbulent Flow.

b-ideal flow.

c-stream lines flow.

مع خالص أمنياتي بالتوفيق والنجاح أ د سناء محمود الربيعي،