

# General Physics 2

(სატრანსპორტო) II სემესტრი. 2017-2018 წელი  
(დასკვნითი გამოცდის ნიმუში)

## Question 1

Ohm's law for the section of a circuit is

Select one:

- a.  $I=R / U$
- b.  $I=R \cdot U$
- c.  $I=U / R$

## Question 2

The resistance R is

Select one:

- a.  $R=q l / s$
- b.  $R=\rho l / s$

## Question 3

Ohm's law in differential form is

Select one:

- a.  $j=\sigma E$
- b.  $E=\rho R$
- c.  $j=\rho E$

## Question 4

The power of the current is

Select one:

- a.  $P=I^2R$
- b.  $P=IR^2$
- c.  $P=IR$

## Question 5

Joule -Lentz's law is

Select one:

- a.  $Q=IR^2t$
- b.  $Q=I^2Rt$
- c.  $Q=IRt$

## Question 6

In SI system of units the unit of the Magnetic Induction is

Select one:

- a. Veber

- b. Tesla
- c. Joule
- d. Henry

#### Question 7

In SI system of units the unit of the Magnetic Induction Flux is

Select one:

- a. Ampere
- b. Veber
- c. Tesla
- d. Volt

#### Question 8

Magnetic Induction Flux is given by an expression

Select one:

- a.  $\Phi = Bscos\alpha$
- b.  $T = Bscos\alpha$
- c.  $B = \Phi scos\alpha$

#### Question 9

The force acting on a charged particle from the magnetic field (Lorentz's Force) is given by a formula

Select one:

- a.  $F = qvBsina$
- b.  $F = sBsina$
- c.  $F = \Phi Tsina$

#### Question 10

Lens focal length is measured...

Select one:

- a. Newton
- b. Watt
- c. Metre