

# PHYSICS

2014

Time: 30 minutes

Max. Marks: 17

## SECTION "A" (COMPULSORY)(M.C.Q.)

1. Choose the correct answer for each from the given options: (17)

- (1) Which one of the following has maximum value of refractive index?  
(a) Ruby (b) Crown glass (c) Quartz (d) Diamond
- (2) Production of beats is due to the ----- of sound waves:  
(a) Interference (b) Reflection (c) Diffraction (d) Refraction
- (3) The branch of physics concerned with highly ionized atoms is called ----- Physics:  
(a) Atomic (b) Nuclear (c) Plasma (d) Nuclear State
- (4) The Unit of co-efficient of friction ( $\mu$ ) is:  
(a) Newton (b) Joule (c) Newton metre (d) None of these
- (5) The waves produced by a vibrating body in air are:  
(a) Longitudinal waves (b) Transverse waves  
(c) Electronegative waves (d) Magnetic waves
- (6) It always gives virtual image:  
(a) Concave lens (b) Convex Mirror  
(c) Plane Mirror (d) All of them
- (7) The viscosity of Ethanol is:  
(a) 0.019 (b) 0.1 (c) 1.000 (d) 0.801
- (8) If frequency of a pendulum is 10 Hz, then time period will be:  
(a) 1 sec. (b) 10 sec. (c) 0.1 sec. (d) 0.01 sec.
- (9) Water has maximum density at:  
(a) 0°C (b) -4°C (c) 4°C (d) 100°C
- (10) 1 Mega metre = ----- metres.  
(a)  $10^{12}$  (b)  $10^9$  (c)  $10^6$  (d)  $10^{15}$
- (11) If  $P = 15$  cm,  $q = 30$  cm, the magnification is -----:  
(a) 2 (b)  $\frac{1}{2}$  (c) 45 (d) 15

# Matric Physics Paper Memo For 2014

**M Walker**



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