

**ANDHRA PRADESH – PUBLIC EXAMINATIONS**

**PUBLIC EXAMINATIONS-MARCH-2016**

**GENERAL SCIENCE , Paper – I**

(Physical Sciences)

(Telugu Version)

Time: 2 $\frac{1}{2}$  Hours

Parts A and B

Maximum Marks : 50

**Class-10 - BIT PAPER (PART-B)**

ఈ ప్రశ్నలను ఎగ్జామ్ అయిన పిదప విద్యార్థుల నుండి సేకరించి క్రోడీకరించడం జరిగినది.

కనుక పూర్తి ప్రామాణికము కాక పోవచ్చును. కానీ అనుసరించవచ్చును.

- 1) Which one of the following types of medicines is used for treating indigestion? [     ]  
A. antibiotic                      B. analgesic                      C. antacid                      D. antiseptic
- 2) The refractive index of glass with respect to air is 2. Then the critical angle of glass-air interface is ..... [     ]  
A. 0°                      B. 45°                      C. 30°                      D. 60°
- 3) Which one of the following materials cannot be used to make a lens? [     ]  
A. water                      B. glass                      C. plastic                      D. clay
- 4) During refraction, ..... will not change. [     ]  
A. wave length                      B. frequency                      C. speed of light                      D. All the above
- 5) The maximum number of electrons that can be accommodated in K- shell [     ]  
A. 2                      B. 32                      C. 18                      D. 8
- 6) Value of Planck's constant is [     ]  
A.  $6.6 \times 10^{-34}$                       B.  $6.626 \times 10^{-34}$                       C.  $6.6 \times 10^{-37}$                       D.  $6.602 \times 10^{-34}$
- 7) Which of the following element is electro negative? [     ]  
A. Sodium                      B. Oxygen                      C. Magnesium                      D. Calcium
- 8) Which converts electrical energy into mechanical energy [     ]  
A. Motor                      B. Battery                      C. Generator                      D. Switch
- 9) Symbol of S.I. unit of magnetic field induction is ..... [     ]  
A. Tesla                      B. Weber                      C. Volt                      D. Ampere
- 10) The reducing agent in thermitte process is [     ]  
A. Aluminium                      B. Magnesium                      C. Iron                      D. Silicon
- 11) Which one of the following hydrocarbon can show isomerism [     ]  
A. C<sub>2</sub>H<sub>4</sub>                      B. C<sub>2</sub>H<sub>6</sub>                      C. C<sub>3</sub>H<sub>8</sub>                      D. C<sub>4</sub>H<sub>10</sub>
12. Boiling point of water at normal atmospheric pressure is \_\_\_\_\_ [     ]  
a) 0°C                      b) 100°C                      c) 110°C                      d) -5°C
13. If an object is placed at C on the principal axis in front of a concave mirror, the position of the image is ..... [     ]  
a) at infinity                      b) between F and C                      c) at C                      d) beyond C
14. Magnification m = ..... [     ]  
a) v/u                      b) u/v                      c) h<sub>o</sub> / h<sub>i</sub>                      d) h<sub>i</sub> / h<sub>o</sub>
15. Colour of methyl orange in alkali conditions? [     ]  
a) orange                      b) yellow                      c) red                      d) blue
16. X → Y + Z This reaction is ..... [     ]  
a) combination                      b) decomposition                      c) displacement                      d) double displacement

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