## ANDHRA PRADESH – PUBLIC EXAMINATIONS PUBLIC EXAMINATIONS-MARCH-2016 CENIEDAL SCHENCE Denser J

**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 (కోఢీకరించడం జరిగినది. కనుక పూర్తి ప్రామాణికము కాక పోవచ్చును. కానీ అనుసరించవచ్చును.

<b>1</b> ) Which one of the follo	wing types of medicines i	s used for treating	g indigestion? [	]				
A. antibiotic	<b>B.</b> analgesic		<b>D.</b> antiseptic					
2) The refractive index of		is 2. Then the criti	ical angle of					
glass-air interface is			[	]				
$\mathbf{A.0}^{\mathrm{o}}$	<b>B.</b> 45°	<b>C.</b> 30°	<b>D.</b> 60°					
3) Which one of the follo	ns? [	]						
A. water	<b>B.</b> glass	C. plastic	<b>D.</b> clay					
4) During refraction,	[	]						
<b>A.</b> wave length	<b>B.</b> frequency	C. speed of ligh	t <b>D.</b> All the above					
5) The maximum number of electrons that can be accommodated in K- shell								
<b>A.</b> 2	<b>B.</b> 32	<b>C.</b> 18	<b>D.</b> 8					
6) Value of Planck's cons	tant is		[	]				
<b>A.</b> 6.6x10 <sup>-34</sup>	<b>B.</b> 6.626x10 <sup>-34</sup>	<b>C.</b> 6.6x10 <sup>-37</sup>	<b>D.</b> $6.602 \times 10^{-34}$					
7) Which of the following	g element is electro negati	ive?	[	]				
A. Sodium		C. Magnesium	<b>D.</b> Calcium					
8) Which converts electrical energy into mechanical energy								
A. Motor	<b>B.</b> Battery	C. Generator	<b>D.</b> Switch					
9) Symbol of S.I. unit of a	magnetic field induction i	s	[	]				
A. Tesla	<b>B.</b> Weber	C. Volt	<b>D.</b> Ampere					
<b>10</b> ) The reducing agent in	_ [	]						
A. Aluminium	B. Magnesium	C. Iron	<b>D.</b> Silicon					
11) Which one of the following hydrocarbon can show isomerism								
<b>A.</b> $C_2H_4$	<b>B.</b> $C_2H_6$	C. $C_3H_8$	<b>D.</b> $C_4H_{10}$					
12. Boiling point of water at normal atmospheric pressure is [								
a) $0^{\circ}$ 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	, [	1						
	b) between F and C	c) at C	d) beyond C	1				
· · ·			d) beyond e	1				
14. Magnification $m = \dots$			l	]				
a) v/u	b) u/v	c) $h_o / h_i$	d) $h_i / h_o$					
15. Colour of methyl orar	ge in alkali conditions?		[	]				
a) orange	b) yellow	c) red	d) blue					
16. X $\rightarrow$ Y + Z This	reaction is		ſ	1				
		d) double displacem	nent					
a, comonation	a) combination b) decomposition c) displacement d) double displacement							
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17. Number of elements present in period- 1 of the long form of periodic table					[	]
a) 2	b) 8		c) 18	d) 32		
18. The bond angle in Methane					[	]
a) 120	b) 1	$05^{\circ}48^{I}$	c) 109°38 <sup>I</sup>		d) 107°35 <sup>I</sup>	
19. Faraday law of inducti	ion is the	e conseq	uence of			
20. KWH is the unit of						
21. The lens which can for	rm real a	and virtu	al images is			
22. A thick wire has a				. resistance that	an a thin wire	<b>)</b> .
23. The centre of mirror is	s called a	as				
24. At critical angle, the r	efracted	l angle is				
25. The work done to mov	ve unit p	ositive c	harge from A to B in a co	nductor is call	ed as	
Match the following:(1)						
26) Plaster of Paris	[	]	A) CaOCl <sub>2</sub>			
27) Gypsum	[	]	B) NaHCO <sub>3</sub>			
28) Bleaching powder	[	]	C) Na <sub>2</sub> CO <sub>3</sub>			
29) Baking soda	[	]	D) CaSO <sub>4</sub> . <sup>1</sup> / <sub>2</sub> H <sub>2</sub> O			
30) Washing soda	[	]	E) CaSO <sub>4</sub> . 2 H <sub>2</sub> O			

## ట్రశ్నా పత్రం తయారు చేసిన ఉపాధ్యాయులకు ధన్యవాదములు.

## NOT ONLY TEXT BOOK MAY CHILD FRIENDLY BUT ALSO QUESTION PAPER SHOULD BE CHILD FRIENDLY

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