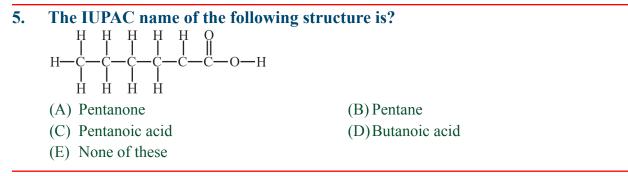
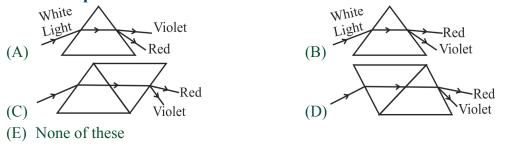
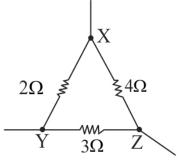
	Olympiads   Publication   Education	the metamorphosis starts from here Brilliant Interna Olympia SCIEN	d of CE					
Class-10(Syllabus and Sample Question Paper)Chemical Reactions And Equations, Acid ,Bases And Salts, Periodic Classification Of Elements, Metals and Non Metals, Carbon And Its Compounds, Life Processes, Control And Coordination, How Do Organisms Reproduce, Heredity and Evolution, Light – Reflection, Refraction, Human Eye and Colorful World, Electricity & Magnetic Effects Of Current, Sources Of Energy, Our Environment & Management Of Natural Resources								
1.	The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes 1. Peter burns a picce of paper with the help of reflected ray of sun by using a mirror. The							
	<ul><li>type of mirror used by per</li><li>(A) A plane mirror</li><li>(C) a convex mirror</li><li>(E) None of these</li></ul>							
2.		stance of an electrical element is the oppositor the element. The resistance of a conduction (B) length (D) Voltage applied						
3.	The filament of an electric (A) It has high resistance (C) It has no resistance (E) None of these	bulb is made up of tungstan because? (B) It has low resistance (D) It is non volatile	(B) It has low resistance					
4.	Four test tubes containing colours, copper sulphate of I II Green Yellow (A) I (C) III (E) None of these	(I), (II), (III) and (IV) are shown below all ontained in? III IV Blue Colourless (B) II (D) IV	ong with their					



6. A ray of light is directed upon a glass prism is dispersed. Which of the following is the correct dispersion?



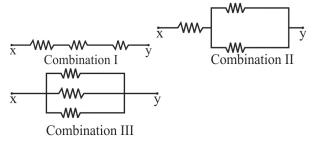
7. Three resistors are connected as shown in the figure:



Between which two points is the efective resistance greatest?

(A) X and Y

- (B) X and Z
- (C) Y and Z (D) Same for any two teriminals
- (E) None of these
- 8. Figure below shows three combinations of resistors as connected between points X and Y. All the resistors have resistance 4Ω:

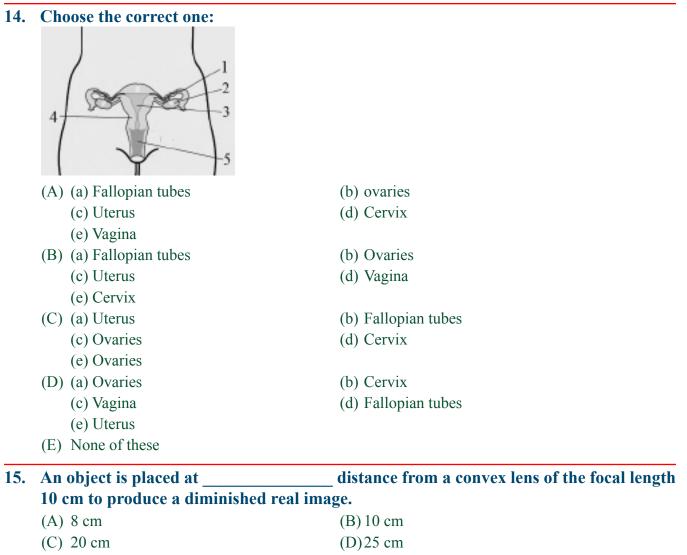


The ratio of total resistance between the points X and Y of each combination I, II and III respectively, is?

- (A) 1:1:1 (B) 3:2:1 (C) 1:9:3 (D) 18:9:2
- (E) None of these

9. The ion XH<sup>+</sup><sub>4</sub> can be represented by the dot and cross diagrams shown. To which group in the periodic table does X belong?

	in the periodic table does X belong?					
	$\begin{bmatrix} H \\ \cdot \cdot \\ H \\ \cdot X \\ \cdot \\ H \end{bmatrix}^+$					
	(A) Group I	(B) Group II				
	(C) Group 14	(D)Group 15				
	(E) None of these					
10.	Read the statements given below:					
	<ul> <li>I: All elements in the periodic table contains minimum of 8 elements except 1st period</li> <li>II: A 'K shell' can accommodate maxium of two electrons</li> <li>(A) Satement I and II are true and II is correct explanation of I</li> <li>(B) Statement I is true but II is not a correct explanation of I</li> <li>(C) Statement I is true but II is false</li> <li>(D) Statement I is false but II is true</li> <li>(E) None of these</li> </ul>					
11.	Chemical formula of bleaching powder is?					
	(A) CaOcl	(B) CaOcl <sub>2</sub>				
	(C) $Ca(OH)_2$					
12	<ul><li>(C) Ca(OH)<sub>2</sub></li><li>(E) None of these</li></ul>	(B) CaOcl <sub>2</sub> (D) Caco <sub>3</sub>				
12.	<ul> <li>(C) Ca(OH)<sub>2</sub></li> <li>(E) None of these</li> <li>Which of the following diseases is</li> </ul>	(B) CaOcl <sub>2</sub> (D) Caco <sub>3</sub> s caused due to the deficiency of thyroxine hormone?				
12.	<ul> <li>(C) Ca(OH)<sub>2</sub></li> <li>(E) None of these</li> <li>Which of the following diseases is</li> <li>(A) Goitre</li> </ul>	(B) CaOcl <sub>2</sub> (D) Caco <sub>3</sub> s caused due to the deficiency of thyroxine hormone? (B) Beriberi				
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	<ul> <li>(C) Ca(OH)<sub>2</sub></li> <li>(E) None of these</li> <li>Which of the following diseases is</li> <li>(A) Goitre</li> <li>(C) Plasgera</li> <li>(E) None of these</li> <li>Choose the odd one:</li> </ul>	(B) CaOcl <sub>2</sub> (D) Caco <sub>3</sub> s caused due to the deficiency of thyroxine hormone? (B) Beriberi (D) Decreased body growth				



(E) None of these

ANSWERS								
1. B	2. D	3. A	4. C	5. C				
6. B	7. B	8. D	9. D	10. A				
11. B	12. A	13. B	14. A	15. D				