COMMON FIRST MID-TERM TEST - 2019	
CO Standard X Reg.No.:	
Time: 1.15 hours.	NCE // Marks: 50
Part - I	
I. Choose the correct answer:	15 x 1 = 15
Inertia of a body depends on	1 2 2
a) weight of the object	b) acceleration due to gravity of the planet
c) mass of the object	d) both (a) & (b)
2. A person whose mass is 60 kg on the s	urface of earth would weigh
a) 97.5 N b) 60 N	c) 588 N (d) 65 N
<ol><li>Power of a lens is –4D then its focal len</li></ol>	gth is significant
A	c) -0.25 m d) -2.5 m
4. Astigmatism can be corrected by	
a) convex lenses	b) concave lenses
o) bifocal lenses	d) concavatorses Sylanderical
(5.) Which of the following is a triatomic molecule?	
	c) carbo dioxide d) hydrogen 5
6. 1 mole contains	S A LIMETAL AS A LIMETAL
a) 6.023 x 10 <sup>23</sup> atoms	b) 6.023 x 10 <sup>23</sup> molecules
c) 6.023 x 10 <sup>23</sup> ions	d) all of the above , which was a second
7. The number of periods and groups in th	A STREET OF THE PROPERTY OF TH
a) 6,16 b) 7,17	c) 8,18 (d) 7,18
8alloy is used to make propeller.	
a), stailness steel	b) duralumin
c) nickel steel	d) magnalium
9. Oxygen is produced at what point during photo synthesis?	
a) when ATP is converted to ADP	b) when CO <sub>2</sub> is fixed
c) when H <sub>2</sub> O is splitted	
Bulliform or motor cells are presented on	
a) root	b) stem
c) isobilateral leaf	d) dorsiventral leaf
1. The animals which give birth to young ones are	
a) oviparous . b) viviparous	c) ovoviviparous d) all the above
12. In leech locomotion is performed by	The same of the sa
a) anterior sucker	b) posterior sucker
c) setae	d) none of the above
3. Heart of heart is called	
a) SA node	b) AV node
c) purkinje fibres	d) bundle of His
4. Root hairs are	The second secon
a) cortical cell	b) projection of epidermal
c) unicellular	d) both (b) and (c)
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15. Vomitting centre is located in
a) medulla oblongata b) stomach
c) cerebrum d) hypothalamus
Part - II
II. Answer any 10 questions:
16. While catching a cricket ball the fielder lower his hands backwards. Why?
19 Why does the sky appear in blue colour?
18. The focal length of the concave lens is 7 m. Calculate the power of lens.
19. Match the following:
i) 8 g of O <sub>2</sub> - 4 moles 3
ii) 4 g of H <sub>2</sub> - 0.25 moles
iii) 52 g of He 2 moles 2
iv) 112 g of N <sub>2</sub> - 0.5 moles
- 13 moles L
20. Calculate the % of oxygen in Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>
[Atomic mass: AI - 2, O - 16, S - 32]
21. What is rust? Give the equation for formation of rust.
22. Say true or false.
i) Phloem tissue is involved in the transport of water in plant.
ii) Mesophyll contains chlorophyll.
3. List out the parasitic adaptations in leech.
4. Write the dental formula of rabbit.
25. What causes the opening and closing of guard cells of stomata during transpiration?
26. Medullated and Non-medullated nerve fibres - Differentiate.
27. Fill in the blanks.
i) The normal human heartbeat rate is abouttime per minute.
ii) The part of human which acts as relay centre is
Part - III
II. Answer any 3 questions:
28. State and prove the law of conservation of linear momentum.
29. Explain the construction and working of a 'Compound Microscope'.
30. Give the salient features of "Modern atomic theory".
Differentiate:- Monocot root and Dicot root
32. With a neat labelled diagram explain the structure of a neuron.
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X Science