

LIVERPOOL INT'L SS/COLLEGE

New Baneshwor, Kathmandu



 01-4791230/479560  www.liverpool.edu.np



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ENTRANCE MODEL QUESTIONS FOR GRADE XI (SCIENCE)

Choose the best option.

1. Do you drink tea? No, I only drink coffee these days.
a) a b) an c) the d) None
2. I will help you if you ... me.
a) will help b) shall help c) help d) helped
3. Would you care ... another drink?
a) about b) for c) of d) from
4. You can keep my iPod if you like. I it any more.
a) don't use c) didn't use
b) doesn't use d) am not using
5. ... I had known address, I would have come to meet you.
a) When b) Although c) Unless d) If
6. Which section of DNA provides information for one protein?
a) Nucleus c) Trait
b) Chromosomes d) Gene
7. The Law of Natural Selection is associated with ...
a) Dalton b) Darwin c) Kepler d) Mendel
8. Bile juice is secreted by ...
a) Stomach c) Small intestine
b) Pancreas d) Liver
9. Entomology is the science that studies ...
a) Behaviour of human beings
b) Insects
c) The origin and history of technical and scientific terms
d) The formation of rocks
10. A man with blood group A marries a woman having blood group O, what will be the blood group of the child?
a) A only
b) O only
c) AB
d) Equal chance of acquiring blood group A or blood group O.
11. The number of atoms of oxygen present in ozone are ...
a) 1 b) 2 c) 3 d) 4
12. Which one of the following will turn red litmus into blue?
a) Vinegar c) Lemon juice
b) Baking soda solution d) Soft drinks

13. Which of the following is an inert gas?
a) Helium b) Hydrogen c) Nitrogen d) Oxygen
14. The image formed by retina of human eye is ...
a) Virtual and erect c) Virtual and inverted
b) Real and inverted d) Real and erect
15. Which of the following quantity is unit-less?
a) Specific gravity c) Acceleration due to gravity
b) Mass density d) All of the above
16. Ball pen functions on which one of the following principles?
a) Boyle's law c) Surface tension
b) Gravitational force d) Viscosity
17. In what ratio of line $x - y - 2 = 0$ divides the line segment joining $(3, -1)$ and $(8, 9)$?
a) 1 : 2 b) 2 : 1 c) 2 : 3 d) 1 : 3
18. What are the total outcomes when we throw three coins?
a) 6 b) 7 c) 8 d) 9
19. Paper pins cost 21 cents a pack. How much will 4 packs cost?
a) \$0.7 b) \$0.8 c) \$0.74 d) \$0.84
20. How many subsets can be formed from the given set $A = \{1, 2, 3\}$?
a) 4 b) 5 c) 6 d) 8
21. Which is the even prime number?
a) 4 b) 6 c) 2 d) 5
22. What is the HCF of the numbers 144, 96, 72?
a) 72 b) 24 c) 36 d) 12
23. If the perimeter of a square is 36cm, what is its area?
a) 81cm^2 b) 64cm^2 c) 72cm^2 d) 324cm^2
24. What is the sum of 20 numbers where mean is 20?
a) 200 b) 300 c) 350 d) 400
25. Which of the following is not a linear equation in one variable?
a) 33 b) $33(x+y)$ c) $33x$ d) $33y$

Answer				
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| 1. d | 21. c | 25. b | 8. d | 4. a |
| 9. b | 20. d | 6. d | 10. d | 18. c |
| 24. d | 15. a | 12. b | 22. b | 5. d |
| 13. a | 2. c | 23. a | 11. c | 16. c |
| 3. b | 19. d | 14. b | 17. c | 7. b |