



Department of Pharmacy
Sample question for Admission Test

Name:
Serial No.:
Date:

Chemistry

- How many moles of Cl_2 are there in 7.1g of chlorine?
 - 0.1 mole
 - 0.4 mole
 - 1 mole
 - 0.2 mole
- How many electrons can 'f' orbital hold in maximum?
 - 10
 - 8
 - 14
 - 18
- Which is the correct electronic distribution of Cu (29)?
 - $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^1$
 - $1s^2 2s^2 2p^6 3s^2 3p^6 3d^9 4s^2$
 - $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$
 - None of the above
- Which monosaccharide is mostly used for metabolism and energy production in human body?
 - Fructose
 - Glucose
 - Ribose
 - Galactose
- The substance obtained after passing ethanol vapor at elevated temperature over Al_2O_3 -
 - $\text{HOCH}_2\text{-CH}_2\text{OH}$
 - CH=CH
 - CH_3OH
 - $\text{CH}_2\text{-CH}_2$
- Which is the chemical formula of bleaching powder?
 - $\text{Ca}(\text{OCl}_2)\text{Cl}$
 - $\text{Ca}(\text{OCl})\text{Cl}$
 - HCOONa
 - CH_3COONa
- Which of the following reagents will not respond to iodoform reaction?
 - $\text{CH}_3\text{CH}_2\text{OH}$
 - $\text{CH}_3\text{CHOH CH}_3$
 - $\text{CH}_3\text{CH}_2\text{ CH}_2\text{OH}$
 - $\text{CH}_3\text{CO CH}_2\text{ CH}_3$
- Complete the following reaction-

$$\text{CH}_3\text{CH}_2\text{OH} \xrightarrow{[\text{O}]} \dots\dots\dots \xrightarrow{[\text{O}]} \dots\dots\dots$$
 - $\text{CH}_3\text{CHO}, \text{CH}_3\text{COOH}$
 - $\text{HCOOH}, \text{CH}_3\text{CHO}$
 - $\text{CH}_3\text{COOH}, \text{CH}_3\text{CHO}$
 - $\text{HCHO}, \text{HCOOH}$

Biology

- What is structural and functional unit of nervous system?
 - Nephron
 - Neuron
 - Neurolema
 - None of the above
- From which cell in stomach HCl acid is secreted?
 - Parietal cell
 - Alpha cell
 - mucus cell
 - None of the above





11. Tolerance limit of arsenic in drinking water of Bangladesh-
- (a) 0.1 mg/L (c) 0.05 mg/L
(b) 0.01 mg/L (d) 0.5 mg/L
12. Which one is the main component of pearl?
- (a) Calcium sulphate (c) calcium carbonate
(b) Calcium chloride (d) calcium oxide
13. Which species of plasmodium does cause cerebral malaria in man?
- (a) *Plasmodium ovale* (c) *Plasmodium falciparum*
(b) *Plasmodium vivax* (d) *Plasmodium malariae*
14. Cartilage is covered by which lining?
- (a) Periostium (c) peritrophic membrane
(b) Perichondrium (d) cuticle
15. Which one is the correct scientific name of cockroach?
- (a) *Periplaneta europæana* (c) *Periplaneta americana*
(b) *Periplaneta asiatica* (d) *Periplaneta africana*
16. ICZN stands for-
- (a) International Cooperation on Zoological Nomenclature
(b) International Community on Zoological Nomenclature
(c) International Commission on Zoological Nomenclature
(d) International Committee on Zoological Nomenclature

English

17. The bookmark was placed _____ pages ten and eleven.
- (a) Around (c) in
(b) Between (d) on
18. The correct antonym of the word 'ominous' -
- (a) Auspicious (c) faith
(b) Potent (d) unlucky
19. Choose the correct article: He can play _____ flute.
- (a) No article needed (c) an
(b) The (d) a
20. Which one is correct sentence?
- (a) He is working hardly to stand first.
(b) He is working hard to stand first.
(c) He works hard to standing first.
(d) He was worked hard to stand first.

