

ETEA Medical Past Paper - 2007

Total Marks: 800

Total Question: 200

- 1) The student were _____ and the teacher, therefore, did not take the class.
 - a. Only few
 - b. A few
 - c. Not much
 - d. Few
- 2) The largest demand of energy is generally fulfilled by
 - a. Hydroelectric power
 - b. Nuclear power
 - c. Solar energy
 - d. Fossil fuels
- 3) The magnitude of $i \times (j \times k)$ is
 - a. 0
 - b. 1
 - c. -1
 - d. 2i
- 4) An atom has net charge of -1. It has 18 electrons and 20 neutrons. Its mass number is
 - a. 38
 - b. 39
 - c. 37
 - d. 20
- 5) Which one of the following bond is broken first in glycolysis to release the energy?
 - a. Glycosidic
 - b. Peptide
 - c. Ester
 - d. None
- 6) The teeth adopted for cutting are
 - a. Canines
 - b. Incisors
 - c. Premolar
 - d. Molars
- 7) Which one of the following isotopes of natural uranium under goes reaction with slow neutron?
 - a. ${}_{92}\text{U}^{235}$
 - b. ${}_{92}\text{U}^{238}$
 - c. ${}_{92}\text{U}^{234}$
 - d. ${}_{92}\text{U}^{239}$

- b. Micro waves
 - c. Standing waves
 - d. Sound waves
- 16) NH_3 has higher boiling point than expected because
- a. With water it forms NH_4OH
 - b. It has strong inter molecular hydrogen bonds
 - c. It has strong inter molecular covalent bonds
 - d. Its density decreased on freezing
- 17) Mangroves are
- a. Xerophytes
 - b. Mesophytes
 - c. Heliophytes
 - d. Halophytes
- 18) In simple A.C. inductive circuit
- a. The voltage leads the current by 90°
 - b. The voltage lags behind the current by 90°
 - c. The current leads the voltage by 90°
 - d. The current and voltage are in phase
- 19) The phenomenon of mutual induction is practically used in
- a. Transformer
 - b. Generator
 - c. Galvanometer
 - d. Avometer
- 20) If K_c is small, it indicates that the equilibrium occurs
- a. At a low product concentration
 - b. Only with the help of catalyst
 - c. At high product concentration
 - d. None of these
- 21) Four chambers heart is found in
- a. Lizard
 - b. Fish
 - c. Crocodile
 - d. None
- 22) The color coding of carbon resistor is such that the first band green, the second band is yellow the third band is red, and the fourth band is golden the value of resistance is
- a. 4500 ohm with 10% tolerance
 - b. 5400 ohm with 10% tolerance
 - c. 5400 ohm with 5 % tolerance
 - d. 4500 ohm with 5% tolerance

- c. Concentration of products
 - d. Material of the vessel in which the reaction is carried out
- 47) Which one of them is a true fish?
- a. Cuttle fish
 - b. Silver fish
 - c. Jelly fish
 - d. Sea horse
- 48) The excited state of an atom which can persist for unusual longer time is called
- a. Metastable state
 - b. Ground state
 - c. Excited state
 - d. Normal state
- 49) The widely used pvc is polymerized product of
- a. $\text{CH}_2=\text{CH}_2$
 - b. $\text{CH}_2=\text{CCl}_2$
 - c. $\text{ClCH}_2=\text{CH}_2\text{Cl}$
 - d. $\text{CH}_2=\text{CH}_2\text{Cl}$
- 50) If the distance b/w the two charged particles is halved, the coulomb force b/w them becomes
- a. $\frac{1}{4}$ times
 - b. One quarter
 - c. double
 - d. four times
- 51) the neutralization of a strong acid by a strong base liberates an amount of energy per mole of H^+ ion that
- a. depends upon which acid and base are involved
 - b. depends upon temperature at which reaction takes place
 - c. depends upon which catalyst is used
 - d. Is always the same
- 52) Going to _____ is considered vulgar by elders of our village
- a. The cinema
 - b. Cinema
 - c. A cinema
 - d. Cinemas
- 53) The main excretory organs in cockroach are
- a. Flame cell
 - b. Cilia
 - c. Nephridia

- c. 2λ
d. 4λ
- 166) The constancy of e.m.f ratio for electron shows that
a. Electron mass is 1837^{th} of proton
b. Electron are universal particles' of all matter
c. Electrons produced in discharge tube only
d. None
- 167) Genome of which of the following consist of single molecule of DNA
a. HAV
b. HBV
c. HCV
d. HIV
- 168) The unit of conductance is
a. Ohm
b. Ohm/meter
c. Ohm meter
d. Mho
- 169) At what place the motion of the bob of simple pendulum will be slowest
a. At poles of earth
b. At equator of earth
c. Anywhere on the surface of earth
d. None of these
- 170) A liquid is in equilibrium with its vapor at its boiling point. On the average the molecules in the two phases have equal
a. Potential energy
b. Total energy
c. Kinetic energy
d. Intermolecular energy
- 171) Lithotripsy is a technique to
a. Remove kidney stones without surgery
b. Remove kidney stones with surgery
c. Treat kidney with medicines
d. Remove appendix
- 172) In time of war govts. Do things which are expedient. The underline word means
a. Endorsed by war council
b. Concomitant
c. Need of the hours
d. Useful but not necessarily right
- 173) Which one of the following plant feeds on water mites
a. Nepenthes
b. Utricularia
c. Dionea
d. Drosera
- 174) If the resultant of two vectors. Each of magnitude A is also of magnitude of A the angle between the vectors will be
a. 30°
b. 45°
c. 60°
d. 120°