

CMC Medical College Sindh (2013)**Total Questions 100**

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

1. NEGLIGIBLE:
 - a. Noticeable
 - b. Unimportant
 - c. Tiny
 - d. Ugly
 - e. Clean
2. VIVIDLY:
 - a. Sadly
 - b. Vaguely
 - c. Brightly
 - d. Stylish
 - e. Cleverly

Read the passage to answer question 3-4

Every good storyteller nowadays starts with the end, and then goes on to the beginning and conclude with the middle. That is the new method I heard all about it the other day from a critic who was walking round the pound with a young man. He spoke of the matter at great length and I am sure he must have been right for he had blue spectacles and bald head, and whenever the young man made any remark, always answered "Pooh!" But pray go on with your story. I like the Miller immensely. I have all kinds of beautiful sentiments myself so there is a great sympathy between us.

3. What's the new way of telling a story?
 - a. Starts with middle, go to end and then conclude with the begging.
 - b. Start with the end, go to the middle and then conclude with beginning.
 - c. Start with beginning, go to end and then conclude with middle.
 - d. Start with the beginning, go to the middle and then conclude with the beginning.
 - e. Start with the end go to the beginning and then conclude with the middle.
4. "Blue spectacles" and "Blad head" signify that the person was:
 - a. Young and experienced
 - b. Young and inexperienced
 - c. Old and inexperienced
 - d. Old and experienced
 - e. Old and Jolly

Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to E) below each.

5. The soldiers _____ the rebels in a valley and killed five of them.
- A. Amused
 - B. Ambushed
 - C. Astonished
 - D. Dazed
 - E. Pleased
6. The first hotel was full and couldn't take us _____.
- A. Of
 - B. Off
 - C. Over
 - D. In
 - E. At

Identify the word or phrase that needs to be changed for the sentence to be correct:

7. Those who have a passion for climbing high and difficult mountains is often looked upon with
A B C D
astonishment. No error
E
8. The sea who divides Europe from Africa is the Mediterranean. No error
A B C D E

Choose the word most similar in meaning to the capitalized one.

9. AMUSE:
- A. Worry
 - B. Tease
 - C. Entertain
 - D. Ascertain
 - E. Criticize
10. Devoted:
- A. Committed
 - B. Blessed
 - C. Polished
 - D. Indifferent
 - E. Agitated

11. An apple drop from the top of a building. If it take 5 second to hit the ground. Find the height of the building. ($g= 9.8 \text{ m/s}^2$)
- 10.5 meters
 - 11.5 meters
 - 122.5 meters
 - 16.7 meters
 - 18.2 meters
12. $2\pi/360^\circ$
- 1°
 - 180
 - 270
 - 0.01745 radian
 - Both A and D
13. Identify the example/s of spin motion.
- The motion of planets around sun
 - The motion of electrons round the nucleus
 - Rotation of fly wheel about its axes
 - Rotating top
- I only
 - II only
 - I and II only
 - III and IV only
 - I, II, III and IV
14. Ahmad throws a ball at an initial velocity of 25 m/s. calculate the maximum distance the ball can reach, assuming the ball is caught at the same height at which it was released. ($g= 9.8 \text{ m/s}^2$)
- 43 meters
 - 53 meters
 - 63 meters
 - 73 meters
 - 83 meters
15. "If there is no external force applied to a system, then total momentum of the that system remains constant". This is known as:
- Law of conservation of mass
 - Elastic Collision
 - Law of conservation of momentum
 - Momentum of a body
 - Inertia

16. The gravitational force of attraction between the two balls each weighing 3 kg, when placed at a distance of 1 meter apart, will be ($G= 6.673 \times 10^{-11} \text{ Nm}^2/\text{ kg}^2$)
- A. $50.017 \times 10^{-11} \text{ N}$
 - B. $60.057 \times 10^{-11} \text{ N}$
 - C. $70.134 \times 10^{-11} \text{ N}$
 - D. $88.913 \times 10^{-11} \text{ N}$
 - E. $96.145 \times 10^{-11} \text{ N}$
17. When an electric charge is moved against an electrostatic force, work is done on the charge. This work is stored in it in the form of Electrostatic _____.
- A. Gravitational Energy
 - B. Kinetic Energy
 - C. Potential Energy
 - D. Geothermal Energy
 - E. Solar Energy
18. A 70 kg athlete runs up a hill through a height of 3 meters in 2 second. His average power output will be: ($g=9.8 \text{ m/s}^2$)
- A. 8000 Watts
 - B. 9000 Watts
 - C. 9050 Watts
 - D. 1030 Watts
 - E. 1140 Watts
19. When a relaxed eye produces an image of a distant object behind the retina, the abnormality is said to be:
- A. Myopia
 - B. Farsightedness
 - C. Hyperopia
 - D. Short sightedness
 - E. Both A and B
20. When a train while whistling passes near you, a considerable change in the pitch of sound heard. When the train approaching, the pitch of the sound _____ whereas the pitch of the sound _____ when the train is moving away.
- A. Decrease.... Increase
 - B. Increase... decrease
 - C. Decrease Remain same
 - D. Remains same.... Increase
 - E. Increase..... Remain same

21. If we place an opaque object between a point source of light and a screen, a shadow of the obstacle is formed on the screen, then we will observe:
- I. Light reaches within the geometrical shadow of the obstacle at the screen
 - II. No light reaches within the geometrical shadow of the obstacle at the screen
 - III. Outside the geometrical shadow the screen is uniformly illuminated.
- A. I only
 - B. II only
 - C. III only
 - D. II and III only
 - E. I, II and III
22. The efficiency of the Carnot's engine working between 100°C and 60°C is:
- A. 2.45%
 - B. 6.195%
 - C. 4.317%
 - D. 0.001%
 - E. 3.913%
23. The process in which no heat flows into or out of the system, is called as:
- A. Isobaric Process
 - B. Isochoric Process
 - C. Isothermal Process
 - D. Adiabatic Process
 - E. Both A and B
24. _____ between two given points in an electric field is defined as the work done in moving a test charge from one point to the other divided by the magnitude of test charge.
- A. Electrostatic Equilibrium
 - B. Potential Difference
 - C. Electron Volt
 - D. Electric Intensity
 - E. None of the above
25. The magnitude of the charge on an electron is:
- A. $2.9 \times 10^{-14}\text{ C}$
 - B. $1.6 \times 10^{-19}\text{ C}$
 - C. $3.1 \times 10^{-16}\text{ C}$
 - D. $7.7 \times 10^{-2}\text{ C}$
 - E. $8.1 \times 10^{-3}\text{ C}$
26. The current of 2.5 ampere is drawn from a battery for 20 minutes. How much charge flow through the circuit in this time?

- A. 1000 coulombs
 - B. 2000 coulombs
 - C. 3000 coulombs
 - D. 4000 coulombs
 - E. 5000 coulombs
27. An electric boiler of 1200 watts rating boils a certain quantity of water in 10 minutes. How much heat has been generated for boiling this water?
- A. 68×10^3 Joules
 - B. 69×10^3 Joules
 - C. 70×10^3 Joules
 - D. 72×10^3 Joules
 - E. 74×10^3 Joules
28. The induced current always flows in such direction as to oppose the change which is giving rise to it, is called as:
- A. Ohm's Law
 - B. Lenz's Law
 - C. Coulomb's Law
 - D. Faraday's Law
 - E. Ampere's Law
29. The velocity of a particle of charge $+4.0 \times 10^{-9}$ C and mass 2×10^{-4} kg is perpendicular to a 0.1 tesla magnetic field. If the particle speed is 3×10^4 m/s, what is the acceleration of this particle due to the magnetic force?
- A. 0.0006 m/s^2
 - B. 0.006 m/s^2
 - C. 0.06 m/s^2
 - D. 0.6 m/s^2
 - E. 6 m/s^2
30. _____ is/ are simple pivoted type moving coil galvanometer/s with suitable modification.
- A. Wheat stone bridge
 - B. Ammeter
 - C. Post office box
 - D. Voltmeter
 - E. Both B and D
31. A galvanometer has a resistance of 20 ohms and gives full scale deflection when a current of 0.001 amperes flows in it. What will be the value of shunt resistance to convert it into an ammeter of range 10 amperes?
- A. 0.02 Ohms

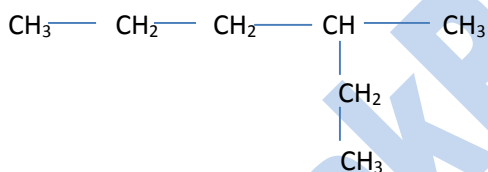
- B. 0.09 Ohms
 - C. 1.351 Ohms
 - D. 2.193 Ohms
 - E. 3.563 Ohms
32. _____ is/ are the widely used material/s for solar cell.
- A. Phosphate
 - B. Selenium
 - C. Silicon
 - D. Gold
 - E. Both B and C
33. Geiger Counter is a portable device which is widely used for:
- A. Making Visible path
 - B. Detecting of ionizing particles
 - C. Detecting of radiations
 - D. Both B and C
 - E. None of the above
34. The single electron in an atom has an energy of -40 eV when it is in the ground state and the first excited state for the electron is at -10 eV. What will happen to this electron if the atom is struck by a stream of photons, each of energy 15 eV?
- A. The electron will absorb the energy of one photon and become excited halfway to the first excited state, then quickly return to the ground state, without emitting a photon.
 - B. The electron will absorb the energy of one photon and become excited halfway to the first excited state, then quickly return to the ground state, emitting a 15 eV photon in the process.
 - C. The electron will absorb the energy of one photon and become excited halfway to the first excited state, then quickly absorb the energy of another photon to reach the first excited state.
 - D. The electron will absorb the energy of two photon and be excited to the first excited state.
 - E. Nothing will happen.
35. High energy gamma rays have been found to induce nuclear reactions by a process, known as :
- A. Radiography
 - B. Photo Electric Effect
 - C. Nuclear Fission
 - D. Photo Disintegration
 - E. Nuclear Fusion

36. All the possible reference frames moving at uniform velocity relative to another (i.e. inertial frames) are equivalent for the statement and description of physical laws. This simple assumption is known as:
- A. Reference law
 - B. Principle of relativity
 - C. Frame law
 - D. Inertial frame law
 - E. None of the above
37. _____ is an amount of substance elementary entities contains as many entities as there are atoms in 0.012 kilogram of carbon 12.
- A. Candela
 - B. Kelvin
 - C. Ampere
 - D. Kilogram
 - E. Mole
38. Find the scalar product of \mathbf{k} , $(\mathbf{i} + \mathbf{j})$, where \mathbf{i} , \mathbf{j} and \mathbf{k} represents unit vectors along x , y axis of the three dimensional rectangular coordinate system.
- A. -1
 - B. 0
 - C. 1
 - D. 6
 - E. -6
39. If $\mathbf{A} = 4\mathbf{i} + 3\mathbf{j} - 2\mathbf{k}$ and $\mathbf{B} = 8\mathbf{i} + 6\mathbf{j} - 4\mathbf{k}$, The angle between \mathbf{A} and \mathbf{B} is:
- A. 45°
 - B. 60°
 - C. 0°
 - D. 90°
 - E. 106°
40. A racing car is speeding around a flat, unbanked circular track whose radius is 250 meters. The car's speed is constant 50.0 meter per second. The mass of the car is 2.00×10^3 Kilograms. The centripetal force necessary to keep the in its circular path is provided by:
- A. The engine
 - B. The Breaks
 - C. Friction
 - D. The steering wheel
 - E. The stability of the car
41. Covalent compounds are:

- A. Non- electrostatic
 - B. Generally insoluble in water
 - C. Soluble in organic solvent
 - D. Both A and B
42. According to ____ theory/ies, a covalent bond is formed by the fusion of the atomic orbital.
- A. Valence Bond Theory (VBT)
 - B. Molecular Orbital Theory (MOT)
 - C. VESPER Theory
 - D. Both A and B
 - E. All of the above.
43. The heat evolved or absorbed during chemical reaction depends upon:
- A. Amount of chemical substance
 - B. Physical state of substance
 - C. Temperature
 - D. Whether reaction occurs at constant pressure or volume
 - E. All of the above
44. Oxidation number of S in $[\text{SO}_3]^{-2}$ is:
- A. 4+
 - B. 6+
 - C. 2+
 - D. 2-
 - E. 0
45. The Gibb's free energy and internal energy are the examples of:
- A. Extension property
 - B. Intensive property
 - C. Hess's law
 - D. Both B and C
 - E. Both A and B
46. Hydrolysis does not occur in case of NaCl because:
- A. It does not change pH of water
 - B. It changes the pH of water
 - C. It is acidic
 - D. It is alkaline
 - E. Both B and C
47. When 0.20 mole of hydrogen gas and 0.15 mole of iodine gas are heated at 723 k until equilibrium is established, the equilibrium mixture is found to contain 0.26 mole of hydrogen iodide. The equation for the reaction is as follows.

- $\text{H}_2(\text{g}) + \text{I}_2(\text{g}) \longrightarrow 2\text{HI}(\text{g})$. What is the correct expression for the equilibrium constant K
- $2 \times 0.6 / 0.20 \times 0.15$
 - $(2 \times 0.6)^2 / 0.20 \times 0.15$
 - $(0.26)^2 / 0.07 \times 0.02$
 - $(0.26)^2 / 0.13 \times 0.13$
 - None of the above
48. How will the equilibrium of the following reaction be affected if more nitrogen is added?
- $\text{N}_2(\text{g}) + 3\text{H}_2(\text{g}) \longrightarrow 2\text{NH}_3(\text{g})$
- It will be shifted to the right
 - It will be shifted to the left
 - It will be unaffected
 - The effect on the equilibrium cannot be determined without more information
 - More NH_3 will be produced
49. Transition elements are transitional between _____ and _____.
- Highly reactive.... Weak electropositive
 - Highly reactive..... Strong electropositive
 - Ionic compound covalent compounds
 - Strong electro positive covalent compounds
 - Highly reactive Highly reactive
50. The rate equation for a reaction is given: $\text{rate} = k [\text{A}] [\text{B}]$. If concentration units are mol dm^3 , what are the possible units of the rate constant. K ?
- $\text{Mol dm}^3 \text{ s}^{-1}$
 - $\text{Mol}^{-1} \text{ dm}^3 \text{ s}^{-1}$
 - $\text{Mol S}^{-2} \text{ dm}^3 \text{ s}^{-1}$
 - $\text{Mol}^{-1} \text{ s}^{-1}$
 - S^{-1}
51. What will be the effect on the rate of reaction of chemical reaction: $2\text{NO}_{(\text{g})} + \text{O}_{2(\text{g})} \longrightarrow 2\text{NO}_2$. If concentration of NO is halved?
- 4 times
 - $\frac{1}{4}$ times
 - 2 times
 - $\frac{1}{2}$ times
 - No effect
52. $\text{CH}_3\text{Cl} + \text{Cl}_2 \longrightarrow \text{CH}_2\text{Cl}_2 + \text{HCl}$ is an example of:
- Addition reaction
 - Oxidation reaction
 - Reduction reaction
 - Substitution reaction

- E. Neutralization reaction
53. Lunar caustic is name of:
- Silver nitrate
 - Blister copper
 - Copper sulphate
 - Potassium dichromate
 - Potassium chromate
54. Aromatic compound are divided into:
- Saturated and unsaturated hydrocarbons
 - Homo nuclear and hetero nuclear compounds
 - Cyclic and open chain hydrocarbons
 - Unsaturated and cyclic hydrocarbons
 - None of the above
55. IUPAC name of



- 4 ethyl pentane
 - 2 ethyl pentane
 - 3 ethyl hexane
 - 4 ethyl hexane
 - 1 methyl, ethyl butane
56. $\text{C}_2\text{H}_5\text{OH} \xrightarrow[\text{Temp}]{\text{Al}_2\text{O}_3} \text{C}_2\text{H}_4 + \text{H}_2\text{O}$
- Temperature (temp) in the given reaction is:
- 250° C
 - 100° C
 - 350° C - 360° C
 - 250° C – 300° C
 - 400° C - 500° C
57. Reactions in which two atoms or groups are removed from adjacent carbon atoms from a _____ are called β - elimination reactions.
- Alkyl halide
 - Halogen

- C. Acid
 - D. Organic compound
 - E. Aldehyde
58. D-block elements are also called:
- A. Inner transition elements
 - B. Outer transition elements
 - C. Second short period elements
 - D. First long period elements
 - E. Second long period elements
59. Formula of _____ is $C_{17}H_{29}COOH$.
- A. Linoleic acid
 - B. Linolenic acid
 - C. Archidonic acid
 - D. Oleic acid
 - E. Plasmittic acid
60. Hydrogen has the tendency to gain one electron to acquire helium configuration. In this respect it resembles:
- A. Alkali metals
 - B. Carbon
 - C. Alkaline earth metals
 - D. Halogens
 - E. None of the above
61. Formula for bleaching powder was suggested by:
- A. Newton
 - B. W. Crooks
 - C. Chadwick
 - D. Bohr
 - E. Odling
62. Sodium ethoxide in treating with ethyl bromide forms:
- A. Diethyl ether
 - B. Ethyl methyl ether
 - C. Dimethyl ether
 - D. Sodium sulphate
 - E. Phenol
63. When alkyl halide reacts with Grignard's reagent, it forms:
- A. Phenol
 - B. Benzene

- C. Alkanes
- D. Alkenes
- E. Secondary alcohol

64. What functional groups are present in the compound bellow?



- A. Ester and ether
- B. Ester and amine
- C. Ester and carboxylic acid
- D. Ether and carboxylic acid
- E. Ether and ketone

The group II metals have higher melting points than Group I

65. Which factor could contribute towards the higher melting points?

- I. There are smaller interatomic distance in the metallic lattices of the group II metals
 - II. Two valency electrons are available from each group II metal atom for bounding the atom into the metallic lattice
 - III. Group II metal have the presence of divalent cations in their metallic structure
- A. I only
 - B. I and II only
 - C. III only
 - D. II and III only
 - E. I, II and III

66. If 1.0 g of the sample of butane, a hydrocarbon fuel was burned in an excess of oxygen to yield 3.03 g of CO_2 and 1.55 g of H_2O , the molecular mass of the compound is 58, find the percentage of Carbon:

- A. 303%
- B. 155%
- C. 58%
- D. 83%
- E. 17%

67. "The total pressure of mixture of gases is the sum of partial pressure of the gases in the mixture" is the statement of:

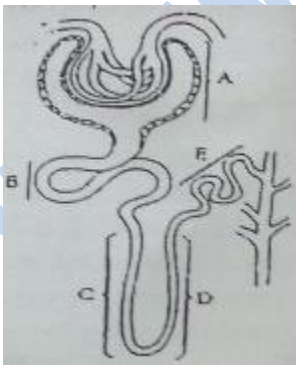
- A. Boyle's law

- B. Graham's law of diffusion
C. Avogadro's law
D. Dalton's law of partial pressure
68. Viscosity of Acetone at 0°C is ____ and at 20°C is ____.
- A. 0.332__ 0.395
B. 0.395__ 0.332
C. 1.78__ 1.19
D. 22.3__ 0.7
E. 121000__ 1499
69. Which one of the following has the highest electronegativity?
- A. Cl
B. Fr
C. F
D. K
E. Rb
70. Ionic radius of Cl is _____.
- A. 151 Å
B. 0.99 Å
C. 1.71 Å
D. 1.57 Å
E. 1.81 Å
71. The light reaction of photosynthesis occurs in the:
- A. Stroma
B. Thylakoid membranes
C. Mitochondria
D. Nucleus
E. Ribosomes
72. All of the following are needed for photosynthesis EXCEPT:
- A. Light
B. Glucose
C. Chlorophyll
D. Water
E. Carbon dioxide
73. All of the following statements are true about savannah EXCEPT:
- A. Dry season is very long and temperature ranges more than 180°C throughout the year.
B. These are tropical grass lands
C. Rain fall is upto 125cm per year

- D. Fauna includes antelopes, zebras and giraffes.
 - E. Its plants do not shed off their leaves
74. Irugymnosperms after fertilization, the mega sporangium gives rise to:
- A. Fruit
 - B. Seed
 - C. New Plant
 - D. Thorns
 - E. Leaves
75. In plants and animals, Colorado tick fever is caused by:
- A. Enveloped plus strand RNA group virus.
 - B. Minus-strand RNA group virus
 - C. Double-stranded RNA group virus
 - D. Small genome DNA group virus
 - E. Bacteriophages
76. The scientific name of button mushroom is:
- A. Agaricus compestris
 - B. Sycopodium phlegmaria
 - C. Anthoceros fusiformis
 - D. Ginko biloba
 - E. Agaricus bismrus
77. Obesity, muscle wasting, hypertension and diabetes are the characteristics of:
- A. Addisin disease
 - B. Turner's syndrome
 - C. Cushing's syndrome
 - D. Sickle cell anemia
 - E. Huntington's disease
78. The number of chromosomes in fern is:
- A. 8 chromosomes
 - B. 14 chromosomes
 - C. 46 chromosomes
 - D. 80 chromosomes
 - E. 1000 chromosomes
79. ____ is used to seal a DNA restriction fragment.
- A. Vector
 - B. Restriction enzyme
 - C. Ligase
 - D. Polymerase

- E. Plasmid
80. Which one of the term bellow correctly describes the relation between the skeletal system in the wing of birds, fore-limb of turtle, fore-leg of horse and arm of man?
- A. Analogous
 - B. Homologous
 - C. Homozygous
 - D. Monotypic
 - E. Taxonomic
81. Which of the following is the correct sequence of the level of organization?
- A. Organism → population → community → ecosystem → biosphere
 - B. Community → ecosystem → organism → biosphere
 - C. Ecosystem → Organism → population → community → biosphere
 - D. Organism → community → population → ecosystem → biosphere
 - E. Organism → community → ecosystem → biosphere
82. Genetic exchange via chiasmata occurs in a stage of Meiotic prophase I called:
- A. Leptotene
 - B. Pachytene
 - C. Dilotene
 - D. Diaklinesis
 - E. Zygotene
83. The valve present between left auricle and ventricle is called:
- A. Tricuspid
 - B. Bicuspid
 - C. Auriculo-ventricular valve
 - D. Chordae tandinae
 - E. Both A and B
84. A chain of coccus is seen in a bacteria called:
- A. Micrococcus
 - B. Diplococcus
 - C. Streptococcus
 - D. Sarcinia
 - E. Staphylococcus
85. Identify the pretest in which photosynthesis does not take place:
- A. Euglena
 - B. Ulva
 - C. Slime moulds
 - D. Chlorella

- E. None of the above
86. Pollen grains in conifers are:
- Absent
 - Winged in all species
 - Contained in sporangium and are never released
 - Produced by microspore mitotically and released
 - Not winged
87. Adenine comprised 36% of the nitrogenous bases in the DNA of cells from a bacterial clone. What was the percentage of guanine in the DNA?
- 14%
 - 18%
 - 28%
 - 36%
 - 54%
88. In cats, the genes controlling coat-colour are co-dominant (incompletely dominant) and are carried on the x chromosomes. When a black female was mated with a ginger male the resulting litter consisted of black male and tortoise-shell female kittens. What phenotypic ratio would be expected in the F_2 generation?
- 1 black male: 1 ginger male: 2 tortoise-shell female:
 - 1 black male: 1 ginger male: 1 tortoise-shell female: 1 black female
 - 2 black males: 1 tortoise-shell female: 1 ginger female
 - 1 black male: 1 tortoise-shell male: 1 ginger female: 1 black female
 - 2 black males: 1 tortoise shell female: 1 black female
89. The diagram shows a nephron of the mammalian kidney. Which labeled region is mainly responsible for active reabsorption of blood?



- A
- B
- C
- D

E. E

90. Which of the following is not a function of endoplasmic reticulum?

- A. Lipid synthesis
- B. Poison detoxification
- C. Protein Synthesis
- D. Aerobic respiration
- E. Storage and release of Ca^{2+} ions

91. What are the phenotypes of the parents of a color blind son and non-carrier daughter with normal color vision?

	Father	Mother
A	Carrier	Normal
B	Color-Blind	Carrier
C	Color-blind	Color-blind
D	Normal	Carrier
E	Normal	Color-blind

92. Which of the following statements about enzyme kinetics is false.

- A. An increase in the substrate concentration (at constant enzyme concentration) leads to proportional increase the rate of the reaction.
- B. Most enzyme operating in the human body work best a temperature 37°C .
- C. An enzyme is generally inactivated rapidly by exposure to ultraviolet light.
- D. Competitive inhibitors reduce the productivity of enzyme by blocking the substrate from entering active site.
- E. None of the above.

93. Which of the following incorrectly pairs the term with its definition?

- A. Scrotum-location of the testes
- B. Epididymis site of sperm maturation
- C. Vas deferens-tube connecting the epididymis to the prostate
- D. Semen-composed of seminal fluid and sperm
- E. Urethra-tube for urinary and reproductive discharge.

94. When the knee moves back and forth as a person walks, what keeps the surface of the leg bones from rubbing against each other?
- The articular cartilage
 - The bone marrow
 - The periosteum
 - A sheath of smooth muscle
 - Ligaments
95. Which of the following choices correctly illustrates the course that a piece of bread takes through the digestive tract?
- Mouth → Trachea → esophagus → cardiac sphincter → stomach → pyloric sphincter → small intestine → large intestine → rectum → anus
 - Mouth → pharynx → esophagus → cardiac sphincter → stomach → pyloric sphincter → small intestine → large intestine → rectum → anus
 - Mouth → pharynx → esophagus → pyloric sphincter → stomach → cardiac sphincter → small intestine → large intestine → rectum → anus
 - Mouth → pharynx → esophagus → cardiac sphincter → stomach → pyloric sphincter → small intestine → large intestine → anus → rectum
 - None of the above
96. Identify the bones in which the connecting joints are immovable.
- Phalanges
 - Wrist
 - Arm
 - Leg
 - Skull bones
97. The structure if a lipid contains all of the following EXCEPT:
- A carboxyl group
 - A CH_2O basic structure
 - A glycerol molecule
 - A fatty acid molecule
 - An OH group
98. Of the following the animal not included in the same phylum as snail is the:
- Pila
 - Octopus
 - Prawn
 - Loligo
 - Pearl Oyester

99. The floral formula of family solanaceae or potato family is:

- A. \oplus , $\overset{\nearrow}{\underset{\perp}{\bigcirc}}$, $K_{(5)}$, $C_{(5)}$, A_5 , $\underline{G}_{(2)}$
- B. $+$, $\overset{\nearrow}{\underset{\perp}{\bigcirc}}$, $K_{(5)}$, $C_{1+2(2)}$, $A_{(9)+1}$, $\underline{G}_{(1)}$
- C. $+$, $\overset{\nearrow}{\underset{\perp}{\bigcirc}}$, $K_{(5) \text{ or } 5}$, C_5 , A_{10} , \underline{G}_1
- D. \oplus , $\overset{\nearrow}{\underset{\perp}{\bigcirc}}$, $K_{(5)}$, $C_{5 \text{ or } (5)}$, $A_{\alpha 01 (10)}$, $\underline{G}_{(2)}$
- E. None of the above

100. The absorption of oxygen from the atmosphere into the blood takes place in the:

- A. Pulmonary artery
- B. Pulmonary vein
- C. Alveoli
- D. Trachea
- E. Bronchi