

**DOW UNIVERSITY OF HEALTH AND SCIENCES****English:**

Chose the lettered word are phrase that is most nearly opposite in meaning to the word in capital letters.

1. CONVENIENT:
  - a) Handy
  - b) Discomfort
  - c) Suitable
  - d) Well-located
  - e) Useful
2. ESTEEM:
  - a) Regard
  - b) Reverence
  - c) Hatred
  - d) Admiration
  - e) Value

**Read the passage to answer questions 3-4**

Preventing a war is difficult. It is a part of high politics. Felling run high. Attempts to bring about peace are open to misunderstanding. Instead of bringing people together, attempt at peace-maker is indeed hard. The UN has succeeded, in a few cases, in bringing peace where there was no peace before, but in a great many cases, the results have not been satisfactory. The world is full of little quarrels between nations. Any one of these little quarrels might be responsible for the outbreak of a new world war.

But let us not despair, for there is one part of the UN that fills us with hope. This is the work of fighting social evils.

3. The UN has remained more successful in:
  - a) Bringing people of the world together
  - b) Preventing wars among nations
  - c) Preventing wars within a nations
  - d) Fighting against social evils
  - e) Ending misunderstanding
4. According to the passage peace-maker's path is very hard because of:
  - a) Misunderstandings
  - b) High politics
  - c) High feelings
  - d) Little quarrels between nations
  - e) All of the above

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

5. Seven of us cannot \_\_\_\_\_ into this small car. Two of us had better \_\_\_\_\_ .
  - a) Pour ..... drop in
  - b) Fall ..... drop up
  - c) Squash ..... drop out
  - d) Join .... Drop into
  - e) Combine .... Drop down
6. The doctor \_\_\_\_\_ me to eat more fruit.
  - a) Advise
  - b) Advising
  - c) Advised
  - d) Advice
  - e) Is advised

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

7. We were shocked by the sight of a terrible accident. No error  
A B C D E
8. Which of these mountain roads remain open in winter? No error  
A B C D E

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

9. INHABITANT:
  - a) Alien
  - b) Outskirt
  - c) Dweller
  - d) Stranger
  - e) Foreigner
10. PROGRESS:
  - a) Destruction
  - b) Enjoyment
  - c) Damage
  - d) Greatness
  - e) Growth

**Physics:**

11. A point which moves as if the total mass of the body or the system of particles were concentrated there and all the applied forces were acting at that point is known as:
  - a) Center of axis
  - b) Center of mass of a body
  - c) Center of rotation

- d) Center of curvature  
e) Both A and C
12. Find the gravitational force of attraction between two balls each weighing 10 kg, when placed at a distance of 1 m apart. ( $G = 6.673 \times 10^{-11} \text{ Nm}^2 / \text{kg}^2$ )
- a)  $3.373 \times 10^{-9} \text{ N}$   
b)  $4.673 \times 10^{-9} \text{ N}$   
c)  $5.373 \times 10^{-9} \text{ N}$   
d)  $6.673 \times 10^{-9} \text{ N}$   
e)  $7.373 \times 10^{-9} \text{ N}$
13. When the body moves in the direction of the gravitational force i.e. towards the earth, the work is done by the force of gravity on the body and it is \_\_\_\_\_, whereas when the body moves against the direction of gravitational force, the corresponding work done is \_\_\_\_\_.
- a) Negative .... Positive  
b) Positive ..... negative  
c) Negative .... Negative  
d) Positive .... Positive  
e) Negative .... Zero
14. Ali pushes a ball, initially at rest, towards Bilal, by exerting a constant horizontal force  $\vec{F}$  of magnitude 9 N through a distance of 2.5 m. What will be the final kinetic energy of the ball?
- a) 1.5 J  
b) 9.5 J  
c) 13.7 J  
d) 17.1 J  
e) 22.5 J
15. A body travels a distance of 24 meters in  $3 \times 10^{-2}$  seconds. Assuming its speed was constant, find its kinetic energy. (Take  $1.5 \times 10^{-20} \text{ kg}$  as the mass of the body.)
- a)  $40 \times 10^{-16} \text{ joules}$   
b)  $41 \times 10^{-16} \text{ joules}$   
c)  $36 \times 10^{-16} \text{ joules}$   
d)  $48 \times 10^{-16} \text{ joules}$   
e)  $55 \times 10^{-16} \text{ joules}$
16. Find the speed of sound in gas in which two wavelength 50.0 cm and 50.4 cm produce 6 beats per second.
- a) 17800 cm/s  
b) 37800 cm/s  
c) 57800 cm/s  
d) 77800 cm/s  
e) 97800 cm/s
17. A cylindrical tube, open at both ends, has a fundamental frequency in air. The tube is dipped vertically in water so that half of it is water. The fundamental frequency of the air column is now:

- a)  $f/2$   
b)  $f$   
c)  $3f/4$   
d)  $2f$   
e)  $7f$
18. When we place an opaque object between a point source of light and a screen, we will observe:
- A shadow of the obstacle is formed on the screen
  - No light reaches within the geometrical shadow of the obstacle at the screen.
  - Outside the geometrical shadow the screen is uniformly illuminated
- a) I only  
b) II only  
c) III only  
d) I and III only  
e) I, II and III
19. If the radius of the 14<sup>th</sup> Newton's ring is 2 mm, when the light of wavelength  $8 \times 10^{-4}$  mm is used. What is the radius of curvature of the lower surface of the lens used?
- a) 170.87 mm  
b) 190.87 mm  
c) 370.37 mm  
d) 395.11 mm  
e) 616.31 mm
20. Two lenses of powers +120 and -2D are in contact. The focal length of the combination is:
- a) 10 cm  
b) 12.5 cm  
c) 16.6 cm  
d) 8.33 cm  
e) 3.1 cm
21. What will be the position of object when a convex lens of focal length 16 cm is used to form an erect image, which is twice as large as the object?
- a) The object is 16 cm from the lens  
b) The object is 2 cm from the lens  
c) The object is 3 cm from the lens  
d) The object is 8 cm from the lens  
e) The object is 12 cm from the lens
22. When an object is placed at a distance of 30 cm from a concave lens of focal length 15 cm, the image will be:
- Erect
  - Virtual
  - Diminished
- a) I only  
b) II only

- c) III only  
d) I and III only  
e) I, II and III
23. In a uniform electric field a charge of 3 C experience a force of 3000 N. The potential difference between two points 1 cm apart along the electric lines of force will be:  
a) 10 V  
b) 30 V  
c) 100 V  
d) 300 V  
e) 545 V
24. For a certain gas the ratio of specific heat is given to by  $\gamma = 1.5$ . For this gas.  
a)  $C_v = 3R$   
b)  $C_p = 3R$   
c)  $C_v = 5R$   
d)  $C_p = 5R$   
e)  $C_v = 9R$
25. Two wires, when connected in series, have an equivalent resistance of  $18\Omega$ , and when connected in parallel, an equivalent resistance of  $4\Omega$ . Find their resistances.  
a)  $10\Omega$ ,  $33\Omega$   
b)  $12\Omega$ ,  $6\Omega$   
c)  $26\Omega$ ,  $2\Omega$   
d)  $19\Omega$ ,  $2\Omega$   
e)  $35\Omega$ ,  $3\Omega$
26. Two capacitors of capacities  $C_1$  and  $C_2$  are connected in parallel, if a charge Q is given to the assembly, it gets shared. The ratio of the charge on a capacitor  $C_1$  to the charge on capacitor  $C_2$  is given by:  
a)  $C_1 / C_2$   
b)  $C_2 / C_1$   
c)  $3C_1^2 / C_2^2$   
d)  $7C_2^2 / C_1^2$   
e) None of the above
27. A unit \_\_\_\_\_ is said to exist at a point where the force per unit charge experienced by a positive test charge, moving with a velocity of  $1 \text{ ms}^{-1}$  in the direction perpendicular to the field is 1 Newton.  
a) Charge  
b) Magnetic field of induction  
c) Flux density  
d) Electric field  
e) None of the above
28. If two coils are close together, than a changing current in one coil ( the primary ) sets up a changing magnetic field in the other ( the secondary ) and so induces an e.m.f. in it. The effect is known as:  
a) Self-induction

- b) Mutual induction
  - c) Non inductive winding
  - d) Motional e.m.f.
  - e) Toroidal field
29. A galvanometer has a resistance of 10 ohms and gives full scale deflection when a current of 0.001 ampere flow in it. Find out the value of the shunt resistance to convert it into an ammeter of range of 10 amperes.
- a) 0.001 ohms
  - b) 0.002 ohms
  - c) 0.003 ohms
  - d) 0.004 ohms
  - e) 0.005 ohms
30. A device use for measuring the potential difference ( or voltage ) between two points of a circuit or the e.m.f. of a current source is called:
- a) Wheat stone bridge
  - b) Ammeter
  - c) Post office box
  - d) Meter bridge
  - e) Potentiometer
31. The study of geometric form of crystalline solids by using X-rays, electrons or neutrons beams constitute the science of :
- a) Crystal logy
  - b) Crystallography
  - c) Crystallization
  - d) Atomic crystals
  - e) None of the above
32. Three dimensional images of objects obtained by using lasers is a process called:
- a) Lasering
  - b) Laserography
  - c) Holography
  - d) Both A and B
  - e) None of the above
33. What will be the de Broglie wavelength of a mass of 5 kg moving with a velocity of 100  $\text{ms}^{-1}$ . (  $h=6.63 \times 10^{-34} \text{ j-s}$  )
- a)  $1.326 \times 10^{-36} \text{ m}$
  - b)  $3.326 \times 10^{-36} \text{ m}$
  - c)  $5.326 \times 10^{-36} \text{ m}$
  - d)  $7.326 \times 10^{-36} \text{ m}$
  - e)  $9.326 \times 10^{-36} \text{ m}$
34.  $P_1$  and  $P_2$  are two position vectors making angles  $\theta_1$  and  $\theta_2$  with positive x-axis respectively. Find their vector product when  $P_1 = 12 \text{ cm}$ ,  $P_2 = 9 \text{ cm}$  and  $\theta_1 = 30^\circ$ ,  $\theta_2 = 90^\circ$ . ( where  $\sin 60^\circ = \frac{\sqrt{3}}{2}$  )

- a)  $37\sqrt{7}$   
b)  $54\sqrt{3}$   
c)  $49\sqrt{2}$   
d)  $33\sqrt{5}$   
e)  $23\sqrt{9}$
35. Evaluate the scalar product of  $K$ ,  $(l+i)$  where  $l, j$  and  $k$  represents unit vectors along  $x, y$  and  $z$  axes of three dimensional rectangular coordinate system:  
a) 170  
b) 60  
c) 1  
d) 0  
e) 45
36. A jeep starts from rest with a constant acceleration of  $4 \text{ m/s}^2$ . At the same time, a car travels with a constant speed of  $36 \text{ km/h}$ , over takes and passes the jeep. How far beyond the starting point will the jeep overtake the car?  
a) 20 meters  
b) 40 meters  
c) 50 meters  
d) 30 meters  
e) 10 meters
37. In inelastic collision:  
a) The momentum of the system as well as the kinetic energy of the system before and after the collision is conserved i.e. remains same.  
b) The momentum of the system before and after the collision change but the kinetic energy before and after the collision remains conserved.  
c) The momentum of the system before and after the collision is converted ( remains same) but the kinetic energy before and after the collision changes.  
d) The momentum of the system as well as the kinetic energy of the system before and after the collision changes.  
e) None of the above
38. A truck travelling at a constant speed of  $108 \text{ km/h}$  rounds a curve of radius  $200 \text{ m}$ . calculate the acceleration of the truck?  
a)  $1.5 \text{ ms}^{-2}$   
b)  $2.5 \text{ ms}^{-2}$   
c)  $3.5 \text{ ms}^{-2}$   
d)  $4.5 \text{ ms}^{-2}$   
e)  $5.5 \text{ ms}^{-2}$
39. To analyze the projectile motion, which of the following assumption is/are required to make?  
I. The effect of air resistance is negligible  
II. The rotation of earth does not affect the motion

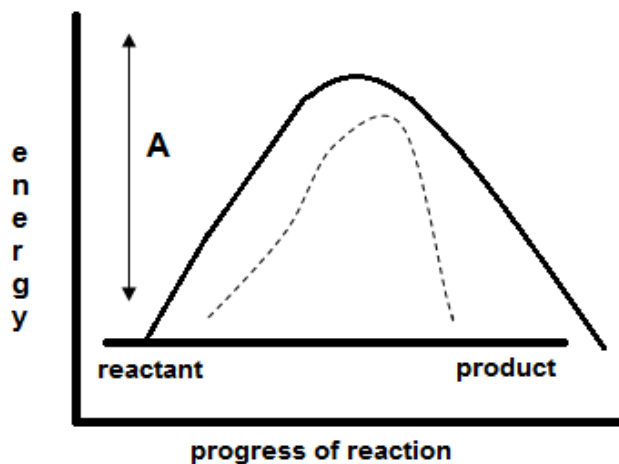
- III. The acceleration due to gravity,  $g$ , is constant over the range of motion and is directed downward.
- I only
  - II only
  - III only
  - I and II only
  - I, II and III
40. Which of the following is/are example (s) of spin motion?
- The daily rotation of the earth about its own axis
  - Rotation of fly wheel about its axle
  - The motion of planets round the sun
- I only
  - II only
  - III only
  - I and II only
  - I, II and III

**Chemistry:**

41. Ketone reacts with Grignard's reagent in acidic medium forming:
- Ethyl alcohol
  - Isopropyl alcohol
  - Butyl alcohol
  - Primary alcohol
  - Secondary alcohol
42. All of the following are non-polar covalent bonds except:
- $Cl_2$
  - $O_2$
  - $N_2$
  - $HF$
  - $H_2$
43. Mustard gas is formed by the treatment of sulphur monochloride with:
- Ethane
  - Methane
  - Ethene
  - Ethylene glycol
  - Chloro ethane
44. Water has the maximum density at what temperature?
- $-4^\circ C$
  - $4^\circ C$
  - $-20^\circ C$
  - $20^\circ C$
  - $10^\circ C$
45. Which of the following will be the most electrically conductive?



- a) Sugar dissolved in water  
b) Salt water  
c) Salt dissolved in an organic solvent  
d) An oil and water mixture  
e) Oil
46. For the reaction  $A+B \rightleftharpoons C+D$  the equilibrium constant can be expressed as
- a)  $K_c = \frac{[A][B]}{[C][D]}$   
b)  $K_c = \frac{[C][B]}{[A][D]}$   
c)  $K_c = \frac{[C][D]}{[A][B]}$   
d)  $K_c = \frac{C \cdot D}{A \cdot B}$   
e)  $K_c = \frac{A \cdot B}{C \cdot D}$
47. Phenolphthalein is an indicator used for:
- a) A strong acid and weak base  
b) Strong base and weak acid  
c) Strong acid and strong base  
d) Weak acid and weak base  
e) Strong base and weak base
48. All of the following are true statements concerning reaction orders EXCEPT:
- a) The reaction order range from minimum 0 to maximum 3  
b) 'Rate expression' lead to the concept of order of reaction  
c) If doubling the concentration of a reactant doubles the rate of the reaction then the reaction is first order in that reactant  
d) Order of reaction is associated with total number of molecules present in a reaction, not with experimental measurement.  
e) The order of reaction is defined as sum of all the exponents of the concentration in terms of the reactants involved in the rate equation.
49. The energy profile diagrams for the reaction in presence and absence of a catalyst are shown below. In these profile A represents:



- a) Threshold energy  
 b) Energy of activation in absence of catalyst  
 c) Average internal energy of reactants  
 d) Energy of activation in presence of catalyst  
 e) None of the above
50. Regarding ethylene glycol all of the following are true EXCEPT:  
 a) It contains carbon, hydrogen and oxygen  
 b) Its molecular mass is 62  
 c) It is used as an antifreeze  
 d) Empirical formula for ethylene glycol is  $CH_8O$   
 e) Molecular formula for ethylene glycol is  $CH_6O$
51. Elements in a given period have the same:  
 a) Atomic weight  
 b) Maximum azimuthal quantum number  
 c) Maximum principal quantum number  
 d) Valence electron structure  
 e) Atomic number
52. Ionic hydrides:  
 a) Are colorless nonvolatile salt like solids  
 b) Are sufficiently unstable towards heat  
 c) Stability increase with increasing towards heat  
 d) Are insoluble in water  
 e) Are used as oxidizing agent in metallurgical processes
53. Which of the following elements has the lowest electro negativity?  
 a) Cesium  
 b) Strontium  
 c) Calcium  
 d) Barium  
 e) Potassium
54. Greater the tendency of an atom to give out electrons, more is the:

- a) Electro negativity
  - b) Metallic character
  - c) Melting point
  - d) Boiling point
  - e) Ionization potential
55. The chief impurities in Bauxite are:
- a) Oxides of magnesium and aluminum
  - b) Oxides of iron and silica
  - c) Oxides of magnesium
  - d) Oxides of aluminum
  - e) None of the above
56. The formula for phitkari is:
- a)  $K_2SO_4, Al_2(SO_4)_3, 2H_2O$
  - b)  $K_2SO_4, Al_2(SO_4)_3, 22H_2O$
  - c)  $K_2SO_4, Al_2(SO_4)_3, 20H_2O$
  - d)  $K_2SO_4, Al_2SO_4, 24H_2O$
  - e)  $KSO_4, AlSO_4, H_2O$
57. The existence of an element in more than one form is known as:
- a) Isotropy
  - b) Allotropy
  - c) Enthalpy
  - d) Geotropy
  - e) Both isotropy and allotropy
58. All of the following are lead pigments except:
- a) White pigments
  - b) Turner's yellow pigment
  - c) Bile pigment
  - d) Chrome red pigment
  - e) Red pigment
59. The best antidote in the case of  $H_2S$  poisoning is :
- a) Very strong chlorine
  - b) Very dilute chlorine
  - c) Very strong sulphur
  - d) Very dilute sulphur
  - e) Very dilute hydrogen
60. Which one of the following is a cause of bleaching action of the chlorines?
- a)  $HCl$
  - b)  $CH_3Cl$
  - c)  $HOCl$
  - d)  $Cl_2$
  - e)  $CH_2Cl_2$
61. Potassium permanganate oxidizes:
- a) Ferrous salts to ferric salts

- b) Nitrites to Nitrates
  - c) Oxalic acid to carbon dioxide
  - d) Hydrogen peroxide to oxygen
  - e) All of the above
62. The house utensils of copper and brass are protected from poisoning by:
- a) Photography
  - b) Silvering
  - c) Tin plating
  - d) Alloying
  - e) Glass sheet
63. Fat-soluble vitamins are:
- a) A, D, E, K
  - b) A, C, E, K
  - c) B complex, C, A, K
  - d) K, A, B complex, D
  - e) D, B, complex, C, K
64. Which of the following is used in manufacturing of lozenges and gargles?
- a) Ethers
  - b) Phenols
  - c) Aldehydes
  - d) Ketones
  - e) Esters
65. A sample of organ occupies 50L at standard temperature. Assuming constant pressure, what volume will the gas occupy if the temperature is doubled?
- a) 25 L
  - b) 50 L
  - c) 100 L
  - d) 200 L
  - e) 2500 L
66. All of the following statements underlie the kinetic molecular theory of gases except:
- a) Gas molecules have no intermolecular forces
  - b) Gas particles are in random motion
  - c) The collision between gas particles are elastic
  - d) Gas particle have no volume
  - e) The average kinetic energy is proportional to the temperature of the gas
67. Example of trigonal system is:
- a)  $BaSO_4$
  - b)  $AgNO_3$
  - c)  $2nSO_4$
  - d)  $SiO_2$
  - e)  $SnO_2$
68. The maximum number of electrons in a shell with the principal quantum number equal to 4 is:

- a) 2
  - b) 10
  - c) 16
  - d) 32
  - e) 14
69. Four containers of equal volume are filled as follows:
- I. 2.0g  $H_2$  at  $0^{\circ}C$
  - II. 1.0g  $H_2$  at  $273^{\circ}C$
  - III. 24g  $O_2$  at  $0^{\circ}C$
  - IV. 16g  $CH_2$  at  $273^{\circ}C$
- Which container is at the greatest pressure?
- a) I only
  - b) II only
  - c) III only
  - d) IV only
  - e) I and II
70. All of the following are true regarding Cathode Rays EXCEPT:
- a) These rays carry a negative charge
  - b) These rays can also be easily deflected by an electrostatic field
  - c) These rays emerge normally from Cathode and can be focused by using a concave cathode
  - d) These rays consist of particles now called protons carrying a fixed unit of charge and a fixed mass
  - e) The Cathode rays are easily deflected by a magnetic field

**Biology:**

71. Five hip vertebrae fuse together make:
- a) Coccyx
  - b) Sacrum
  - c) Phalanges
  - d) Cranium
  - e) Femur
72. The remains of Archaeopteryx indicate that birds are most closely related to:
- a) Flying insects
  - b) Flying mammals
  - c) Flying fish
  - d) Reptiles
  - e) Amphibians
73. All of the following are factors in the development of new species except:
- a) Use and disuse of organs
  - b) Asexual reproduction
  - c) Sexual reproduction
  - d) Variations

- e) Natural selections
74. A single mushrooms may produce 500,000 spores \_\_\_\_\_ at the peak of its production:
- a) A minute
  - b) An hour
  - c) A day
  - d) A week
  - e) A month
75. A type of sexual reproduction in which individual resembles exactly to the egg donor is called:
- a) Regeneration
  - b) Budding
  - c) Parthenogenesis
  - d) Cloning
  - e) Fission
76. Fertilized ovum in human is implanted in:
- a) Oviduct
  - b) Uterus
  - c) Placenta
  - d) Umbilical cord
  - e) Vagina
77. If the new born babies get mixed up in a hospital, how could you determine their parentage from the information given below?
- |            |         |
|------------|---------|
| Baby I     | Type O  |
| Baby II    | Type B  |
| Mrs. Ali   | Type A  |
| Mr. Ali    | Type AB |
| Mrs. Ahmad | Type A  |
| Mr. Ahmad  | Type A  |
- a) Baby I is the child of Mr. and Mrs. Ali
  - b) Baby II is the child of Mr. and Mrs. Ali
  - c) Baby III is the child of Mr. and Mrs. Ahmad
  - d) Both Baby I and baby II is the child of Mr. and Mrs. Ahmad
  - e) Inadequate Data
78. \_\_\_\_\_ Biomes are known as bread basket of the world.
- a) Coniferous forest
  - b) Temperate deciduous forest
  - c) Tundra
  - d) Tropical rain forests
  - e) Grass land
79. Hemophilia is caused by a sex-linked, recessive allele, two parents have a Hemophiliac son a normal son and a Hemophiliac daughter.  
What are the most likely genotype of the parents?
- |        |        |
|--------|--------|
| Mother | Father |
|--------|--------|

- a)  $X^H X^h$   $X^h Y$   
b)  $X^H Y^h$   $X^H Y$   
c)  $X^h X^h$   $X^H Y$   
d)  $X^H Y^H$   $X^h Y$   
e) None of the above
80. All of the following are legume families except:  
a) Mimosaceae  
b) Fabaceae  
c) Poaceae  
d) Caesalpiniaceae  
e) None of the above
81. Hydra, sea anemone & corals occur only as:  
a) Medusa form  
b) Spicules  
c) Polyp form  
d) Sycon form  
e) None of the above
82. The proper measurement taken to avoid the diseases caused by parasitic worms include:  
a) Hygienic living  
b) Carefull use of edibles  
c) Thorough cooking of meat  
d) Avoid walking bare footed  
e) All of the above
83. The photosynthetic pigments can be separated by a process called:  
a) Photosynthetic  
b) Respiration  
c) Paper chromatography  
d) Hydrolysis  
e) Bioenergetics
84. During regeneration phase of Calvin Benson Cycle only one molecule of 3C ( triose-phosphate ) is produced, which can:  
I. Re-enter the cycle  
II. Be used for starch synthesis within the chloroplast  
III. Exported via a phosphate translocator to cytosol for source synthesis  
a) I only  
b) III only  
c) I and II only  
d) II and III only  
e) I, II and III
85. Stearin  $C_{57}H_{10}O_6$  is an important example of:  
a) Carbohydrates  
b) Proteins

- c) Waxes  
d) Acglycerol  
e) Nucleic acid
86. At  $0^{\circ}\text{C}$ , the enzymatic activity is:  
a) Completely stopped  
b) Maximum  
c) Decreased to 50%  
d) Reduced to minimum  
e) None of the above
87. Mitochondria are passed to an animal by:  
a) Father  
b) Sister  
c) Mother  
d) Both A and C  
e) None of the above
88. A patient is suffering from a disease. S (he) has following symptoms.  
I. Abdominal pain  
II. Jaundice  
III. Liver enlargement  
IV. Fatigue
- S (he) is probably suffering from:  
a) HIV  
b) Rabies  
c) Hepatitis  
d) Septicemia  
e) Kaposi's sarcoma
89. Plants prevent excessive water loss from their aerial parts by a waxy coating called:  
a) Mesoderm  
b) Ligninà  
c) Cuticle  
d) Sporopollenin  
e) Cell wall
90. In acetyl cenzyme ( Acetyl CoA) the enzyme A, a sulphur containing compound is derived from :  
a) Vitamin A  
b) Vitamin D  
c) Vitamin B  
d) Minerals  
e) Proteins
91. An example of partial root parasite is:  
a) Loran thus  
b) Viscum



- c) Cuscuta
  - d) Sandal wood tree
  - e) Orobanche
92. The important process of holozoic nutrition includes:
- a) Ingestion
  - b) Digestion
  - c) Assimilation
  - d) Egestion
  - e) All of the above
93. All of the following are characteristics features of tuberculosis except:
- a) Cough
  - b) Pain in chest
  - c) Acidilty
  - d) Shortness of breath
  - e) Weight loss
94. The inherited impairment of hemoglobin is called:
- a) Leukaemia
  - b) Thrombus formation
  - c) Thalassaemia
  - d) Myocardial infraction
  - e) Hypertension
95. Adrenal gland is located:
- a) At the side of the kidney
  - b) On the top of each kidney
  - c) On lower side of the liver
  - d) At the end of the pancrease
  - e) Near the gall bladder
96. Malpighian body is composed of:
- a) Bowman's capsule & glomerulus
  - b) Pyramids & pelvis
  - c) Pelvis & medulla
  - d) Hilus & medulla
  - e) Nephron & medulla
97. Method in which ultrasonic waves are used to break up calculi is called:
- a) Kidney transplant
  - b) Haemodialysis
  - c) Lithotripsy
  - d) Peritoneal dialysis
  - e) Artificial pacemaker
98. Creatine phosphate serves as muscle's reserve of high energy phosphate by providing \_\_\_\_\_.
- a) Nerve impulses
  - b) Acetyl chlorine

- c) ATPs
  - d) Calcium ions
  - e) Lactic acid
99. \_\_\_\_\_ are the cells that separate neurons from each other and form myelin sheath.
- a) Soma
  - b) Axon
  - c) Inter neurons
  - d) Glial cells
  - e) Nissl substance
100. \_\_\_\_\_ The contraction of the uterus during labour and release of milk from the mammary glands breast feeding is stimulated by:
- a) Prolactin
  - b) Oxytocin
  - c) Ant diuretic hormone
  - d) Somatotrophin
  - e) FSH ( Follicle stimulating Hormone)