

1. .... correlates the increase in the velocity head with the decrease in the pressure head between two points  
 A) Meirs                      B) Pressure                      **C) Bernoullis**                      D) Velocity
2. ....is otherwise called as variable areameter  
 a) Orifice meter                      b) Pitots tube                      c) Vernier                      **d) Rotameter**
3. The point of minimum contraction in a pipe is called.....  
**a) Vena contracta**                      b) Narrower piping                      c)vena compression                      d) eddys current
4. What is hardest substance in human body  
 a. Bone                      b) Dentine                      **c) Enamel**                      d) lecteals
5. Which one of the following is absorbed in GI Tract without being digested?  
 a. Starch                      b) Protein                      c)Carbohydrates                      d) **Vitamins**
- 6.Enteric plexus in the tunica submucosa is called the  
 a.**Meissners**                      b) Auerbachs                      c)Myenteric                      d) solar
7. Who demonstrated that open tubes of broth remained free of bacteria when air was free of dust.  
 a. Abbc Spallanzani                      **b. John Tyndall**                      c. Francisco Redi                      d. Pasteur
8. Father of microbiology is  
 a. Louis Pasteur                      b. Lister                      **c. A.V. Leeuwenhock**                      d. Robert Koch
9. Father of Medical Microbiology is  
 a. Pasteur                      b. Jenner                      **c. Koch**                      d. A.L.Hock
10. Anthraquinone glycoside is present in -  
 a. Digitalis leaves                      b. Almond                      **c. Senna leaves**                      d. Shatavari
11. Anthraquinone glycoside of cascara contain mainly-  
 a. O-glycoside                      b. N-glycoside                      c.S-glycoside                      **d. C-glycoside**
12. Indian aloe is obtained from the species known as-  
 a. *Aloe barbadensis*                      b. *Aloe ferox*                      **c. Aloe vera**                      d. *Aloe spicata*
- 13 Venturimeter is used to measure .....fluid flow  
 a. Flocculating                      b. Compressible                      **c. Incompressible**                      d. Stable
14. Sharp edge orifice is present in.....  
 a. Vernier                      b. Manometer                      **c. Orifice meter**                      d. Centrifugal pump
15. Reynolds number has.....dimention.  
 A.1                      **B.NO**                      C.2                      D.4
16. Meosomes are also known as  
 a. Mitochondria                      b. Endoplasmic reticulum                      c. Plasmids                      **d. Chondroids**
17. The stalked particles on the cristae of mitochondria are called



31. Pericyclic reactions can also be termed as:
- a. Concerted reactions                      b. Orbital symmetry controlled reactions  
 c. Single transition reactions              **d. All of the above**
32. Identify the TRUE statement/s:
- a. [4+2] cycloaddition reactions are generally thermal WHILE [2+2] cycloaddition reactions are photochemical.  
 b. Pericyclic reactions are concerted                      c. Pericyclic reactions go through single transition state  
**d. All of the above**
33. In the reaction of Butadiene with Ethene giving Diels Alder reaction product, the interacting frontier orbitals are:
- a. HOMO of a diene with the HOMO of dienophile                      b. LUMO of a dienophile with LUMO of dienophile  
**c. HOMO of diene with LUMO of dienophile**                      d. HOMO of diene with LUMO of diene
34. Diels Alder reaction is a :
- a. [2+2] thermal cyclization                      **b. [4+2] thermal cyclization**  
 c. [2+2] photoaddition                      d. [4+2] photoaddition
35. In Electron Microscope source of electrons is from
- a. Mercury lamp                      **b. Tungsten metal**                      c. both a and b                      d. None of these
36. Magnification range of light microscope is
- a. 1000x – 5000x                      **b. 1000x – 2000x**                      c. 500x – 1000x                      d. None of these
37. Sinigrin is a-
- a. Cyanogenetic glycoside                      **b. Isothiocyanate glycoside**  
 c. Flavonol glycoside                      d. Aldehyde glycoside
38. Brassica nigra belongs to the family-
- a. Malvaceae                      b. Rosaceae                      c. Solanaceae                      **d. Cruciferae**
- 39.....is a temperature
- a. pascal                      **b. dew point**                      c, humidity                      d. threshold point
40. Pascal is the unit of .....
- a. Atmosphere                      **b. pressure**                      c. Temperature                      d. Absolute temperature
41. The most abundant cells in nervous tissue are
- a. Glia**                      b. Epithelia                      c. Neurons                      d. AXons
42. A dendrite conducts nerve impulses..... the cell body.
- a. Away from                      **b. Towards**                      c. Both towards and away from                      d. around , bypassing
43. An axon conducts nerve impuses..... the cell body
- a. Away from**                      b. Towards                      c. Both towards and away from                      d. Around ,bypassing
44. Which statement is true of gray matter
- a. It is the primary source of intelligence                      b. It is located mainly in the frontal lobe  
 c. **It process information**                      d. Dominant type of nervous tissue
45. A population of cells derived from a single cell are called

a. Monoclonal cells                      **b. Clones**    c. Protoplasts    d. Sub culture

46. What is the best definition of electronegativity?

- a. Energy required by gaseous atom to gain an electron
- b. Attraction of an atom for a bonding pair of electrons
- c. Attraction between the nucleus and the valence electrons of an atom

**d. Ability of an atom to attract electrons from another atom**

47. The resolution power of the compound microscope is

**a. 0.2 micron**                      b. 0.2 millimeter                      c. 0.2 Angstrom units                      d. 0.2 centimeter

48. During conjugation the genetic material will be transferred through

a. Cell wall                      b. Medium                      **c. Pili**                      d. Capsule

49. Purpurea glycoside A on hydrolysis gives-

- a. Digitoxigenin + glucose +3 digitose**
- b. Gitoxigenin + glucose +3 digitose
- c. Digitoxin + glucose +3 digitose
- d. Digitoxin+3 digitose

50. GRADUAL ENLARGE MENT OF PIPE RESULTS IN .....OF ENERGY

a. LOSS                      b. GAIN                      c, NO GAIN                      **d. NO LOSS**