

Select the opposite (Antonym)

1. Bilateral
 - a) Joint
 - b) Reciprocal
 - c) Mutual
 - d) Autonomous
2. Detention
 - a) Custody
 - b) Apprehension
 - c) Liberation
 - d) Confinement
3. Amateur
 - a) Sloppy
 - b) Apprentice
 - c) Novice
 - d) Professional
4. Confront
 - a) Provoke
 - b) Evade
 - c) Defy
 - d) Antagonize
5. Siege
 - a) Soothe
 - b) Blockade
 - c) Beset
 - d) Obstruction
6. Humiliation
 - a) Embarrassment
 - b) Indignity
 - c) Disgrace
 - d) Esteem

7. Reminiscent
a) Redolent
b) Suggestive
c) Obvious
d) Similar

Select the Similar (Synonyms)

8. Dichotomy
 - a) Contrast
 - b) Willingness
 - c) Inclination
 - d) Disposition
9. Pragmatic
 - a) Idealistic
 - b) Realistic
 - c) Irrational
 - d) Illogical
10. Sanctity
 - a) Holiness
 - b) Malice
 - c) Greed
 - d) Hatred
11. Heinous
 - a) Odious
 - b) Horrible
 - c) Glorious
 - d) Flagrant
12. Repulsive
 - a) Attractive
 - b) Ugly
 - c) Mild
 - d) Willingness

13. Curtail
a) Amplify
b) Broaden
c) Restrain
d) Extend
14. There was _____ anger in his voice that I had to leave.
a) Much
b) So much
c) To much
d) So
15. There is no glory in war ____ the blood it _____.
a) thinking, demanding
b) considering, sheds
c) worth, costs
d) comparing, spills
16. To _____ yourself from the _____ wear warm cloths.
a) protect, cold
b) prohibit, heat
c) save, heat
d) suffer, cold
17. Wars usually result from _____ among the parties involved and a failure to _____ them peacefully.
a) doubts, dispel
b) hostilities, debate
c) frustrations, understand
d) disagreements, resolve
18. Four independent _____ testified to seeing him at the scene of the crime.
a) Witnesses
b) Person
c) Spectator
d) Viewers

Kp Medical education

19. Drugs and alcohol _____ together to _____

both man and women.

- a) result, aggravate
- b) mix, lower
- c) act, increase
- d) put, arrest

the risk of cancer in

20. The _____ words of the mother comforted the _____ child.

- a) harsh, naughty
- b) sweet, happy
- c) soothing, disappointed
- d) beautiful, angry

Chemistry

21. The important application used for making ice cream with the use of NaCl ;

- a) constitutive property
- b) additive property
- c) colligative property
- d) Raoult's law

22. Which one of the following solutions will have highest vapour pressure than that of water

- a) aqueous solution of CH_3OH
- b) aqueous solution of H_2SO_4
- c) aqueous solution of sugar
- d) aqueous solution of urea

23. Which one of following is not soluble in alcohol?

- a) KCl
- b) Urea
- c) Acetone
- d) Ether

24. Which one of following is not a conjugate solution?

- a) ether + water
- b) phenol + water
- c) nicotine + water
- d) ethanol + water

25. Which one of the following has discontinuous solubility curve?
- NaCl
 - KCl
 - NaNO₃
 - CaCl₂. 6H₂O
26. Sucrose is a disaccharide consisting of
- one glucose molecule
 - one fructose molecule
 - Both a & c
 - None of the above
27. Photosynthesis is the process used by plants to harness energy from sunlight and turn it into
- Chemical energy
 - Solar Energy
 - Potential Energy
 - Kinetic Energy
28. Aqueous solution of glucose boils at 100.52°C the solution contains;
- 180 gm glucose in 1 litre water
 - 90 gm glucose in 1 litre water
 - 18 gm glucose in 1 litre water
 - 3.6 gm glucose in 1 litre water
29. Molar mass of H₂SO₄ is;
- 100
 - 98
 - 60
 - 99
30. Honey bee sting is _____ in nature.
- Basic
 - Acidic
 - Neutral
 - Both A and B

31. A base soluble in water is called;

- a) Acidic
- b) Basic
- c) Alkali
- d) Moisture

32. Chemical formula of washing soda?

- a) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
- b) $\text{NaCO}_3 \cdot 5\text{H}_2\text{O}$
- c) $\text{Na}_2\text{CO}_3 \cdot 20\text{H}_2\text{O}$
- d) $\text{Na}_2\text{CO}_3 \cdot 15\text{H}_2\text{O}$

33. Efficiency of chemical reaction can be checked by calculating

- a) amount of limiting reactant
- b) amount of the reactant in excess
- c) amount of the product formed
- d) amount of the reactant unused

34. Naphthalene is found in which physical state;

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

35. Large number of isotopes are known for the elements whose masses are multiple of

- a) Eight
- b) Six
- c) Four
- d) Two

36. Which one is a free radicle?

- a) H_2O
- b) OCl_2
- c) Br_2O_2
- d) N_2O

49. A normal person can hear the sounds between the frequencies of
- a) 15Hz – 20 Hz
 - b) 20Hz – 20 KHz
 - c) 20Hz – 25 KHz
 - d) 25 Hz – 30 KHz

54.

50. An 8 Volt battery is connected to three resistor, R₁ and R₂ are in series and R₃ is parallel to R₁ and R₂ and parallel to the battery. The current flowing from source is 0.4 Amp, what will be the current flowing through R₃ resistor which is 26 ohms.
- a) 0.3 A
 - b) 20 A
 - c) 3.2 A
 - d) 3.0 A

55.

51. The function of the soft-Iron cylinder which is placed between the poles of the magnet in a D.C motor
- a) To decrease the speed of motor
 - b) To increase the induced IMF
 - c) To move the coil in one direction
 - d) To increase the force acting on the coil
52. Why gravitational force is not responsible to produce torque in the satellite because torque is;
- a) Zero
 - b) 180°
 - c) 90°
 - d) 45°
53. If the slope of the Velocity Time Graph remains constant then body is moving with;
- a) Uniform acceleration
 - b) Negative variable acceleration
 - c) Variable acceleration
 - d) Uniform Velocity

43. One peta is equal to:
- 10^{18}
 - 10^{19}
 - 10^{17}
 - 10^{11}
44. The scalar product of two vectors is minimum when they are:
- Parallel
 - Perpendicular
 - Null
 - Anti-parallel
45. A length of ruler is 45 centimeter, at 15 cm a weight of 10N hanged, the moment of force applied at 35cm, what will be the moment of force?
- 2 N m
 - 1 N m
 - 0.5 N m
 - 1.5 N m
46. A load of 7 kg is lifted upward at angle of 90° from floor, for a distance of 12 meters at a constant speed. What is the gravitational potential energy gained by the load? (the acceleration due to gravity is 10ms^{-2}).
- 0.84 J
 - 840 J
 - 84 J
 - 420 J
47. Sound Wave transfer
- Matter
 - Force
 - Molecules
 - Energy
48. Which one is NOT the transverse wave?
- Water waves
 - Micro waves
 - Rope waves
 - Waves on springs

37. Filter media are used for filtration depending on
- Nature of filter paper
 - Nature of reactants
 - Nature of precipitate
 - Nature of reaction
38. Which one is the safest and reliable method of drying crystal?
- Putting in the filter paper
 - Vacuum desiccator
 - Evaporation of solution
 - Putting in oven
39. The acid that is present in vinegar is
- Acetic acid
 - Oxalic acid
 - Nitric acid
 - Sulfuric acid
40. Sodium carbonate is;
- Alkali
 - Acid
 - Neutral
 - Base

Physics

41. Electric field at a point due to a point charge is 27N/C and electric potential at that point is 14J/C . Calculate the distance of the point from the charge and magnitude of charge.
- 378m
 - 9m
 - 1.9m
 - 0.5m
42. The transistor has collector current of 12mA and a base current of $45\mu\text{A}$. What is the current gain of transistor?
- 266.6
 - 250
 - 0.01
 - 4×10^3

54. If projectile is projected at $\theta = 45^\circ$ with initial velocity V_i , then velocity at highest point is
a) None
b) $V_i/2$
c) $V_i/\sqrt{2}$
d) $2V_i/4$
55. Dimensions for light of the year:
a) $[LT]$
b) $[L]$
c) $[ML^2T^2]$
d) $[LT^2]$
56. Which of the following pairs have same dimensions?
a) Work and Power
b) Momentum and Impulse
c) Force and Torque
d) Torque and Power
57. A person standing on a rotating platform and his hands lowered. He suddenly outstretches his arms, whether there will be change in the angular momentum?
a) Becomes zero
b) Increases
c) Decreases
d) Remains constant
58. The distance between node and antinode is
a) One wavelength
b) one fourth wavelength
c) one half wavelength
d) Two wavelength
59. If $R_1 = 10 \text{ K } \Omega$ and $R_2 = 100 \text{ K } \Omega$, then the gain of the amplifier is:
a) $1000 \text{ K } \Omega$
b) $10 \text{ K } \Omega$
c) 10
d) -10

60. Inductor stores energy in a
a) Coil
b) Electric field
c) Magnetic field

Biology
61. Biological molecules (proteins) which catalyse a biochemical reaction and remain unchanged after completion of reaction are called;

- a) Cofactor
b) Coenzyme
c) Activator
d) Enzyme
62. In which of the following location enzymes controlling cellular respiration are present?
a) Nucleus
b) Chloroplast
c) Mitochondria
d) Ribosome

63. An activated enzyme consisting of polypeptide chain and a cofactor is called;
a) Holoenzyme
b) Activated enzyme
c) Both a and b
d) Apoenzyme

64. Which one forms the raw material for coenzymes?
a) Vitamins
b) Carbohydrates
c) Proteins
d) Metals

65. Horn-warts are included in sub-class;
a) Bryopsida
b) Hepaticopsida
c) Psilopsida
d) Anthoceropsida

66. Which
a)
b)
c)
d)

67. Germ
a)
b)
c)
d)

68. Pl
a)
b)
c)
d)

69.

70.

71

66. Which of the following of bryophytes are the simplest one?
a) Mosses
b) Spores
c) Anthocerous
d) Polytrichum
67. Germinating pollen grain is a rich source of
a) cytokinin
b) gibberellin
c) auxin
d) rennin
68. Placenta passes out through vagina
a) 10-20 minutes after birth
b) 10-15 minutes after birth
c) 10-30 minutes after birth
d) 10-45 minutes after birth
69. Identical gametes are also known as
a) heterogametes
b) isogametes
c) anisogamete
d) hypo gametes
70. End or complete stop of menstrual cycle is called
a) menuend
b) infertilization
c) menopause
d) ovulation
71. Clock in plant for measuring duration of darkness is provided by
a) rate of conversion of p660-p730
b) rate of conversion of p700 to p730
c) rate of p730 to p660 conversion
d) rate of conversion of p630 to p700
72. Certain very precise environmental cues are required for
a) seed dormancy
b) pollination
c) seed germination
d) seed formation

79. Which of the following generates more energy in aerobic respiration;
- Protein
 - Sucrose
 - Glucose
 - Triglyceride
80. In higher plants inorganic compounds are obtained from the;
- Soil
 - Environment
 - Water
 - Species
81. RNA has the nitrogenous base uracil instead of;
- Adenine
 - Guanine
 - Cytosine
 - Thymine
82. Lysosomes are bounded by a;
- Thin membrane
 - Double membrane
 - Single membrane
 - None of above
83. The reddish color of the algae is due to
- Chlorophyll
 - Phycoerythrin
 - Saprophytes
 - Flagella
84. Tracheophytes have cells called
- Phylum
 - Psilopsida
 - Tracheids
 - Lycopsida

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73. Amniotic sac is filled with fluid for
a) protection
b) shock absorption
c) nutrition
d) both A and B
74. Follicle stimulating hormone (FSH) stimulates development of
a) several primary follicles
b) several interstitial cells
c) oocytes
d) ovum
75. Tracheids are found in xylem as
a) pectin
b) cellulose
c) bundle caps
d) sieve tubes
76. Cnidarians and annelids have;
a) exoskeleton
b) hydrostatic skeleton
c) Axial Skeleton
d) endoskeleton
77. Roots response towards gravity is display of
a) positive geotropism
b) negative geotropism
c) neutral geotropism
d) static geotropism
78. Outer covering of vacuole is called
a) tonoplast
b) chloroplast
c) epidermis
d) sapwood

91. Group of cells performing similar function is;
- Blood
 - Epithelial tissue
 - Tissue
 - Organ .
92. The growth of stem or root increases due to growth o'
- Lateral meristem
 - Intercalary meristem
 - Girth meristem
 - None of the above
93. Tendons connect
- Bone to bone
 - Muscle to bone
 - Muscle to muscle
 - Bone to Vain
94. How does carbon dioxide enter leaf?
- Through cuticle
 - Through stomata
 - Through mesophyll
 - Through epidermis
95. The tough clear covering over iris and pupil that helps to protect the eye is;
- Lens
 - Cones
 - Cornea
 - Blind spot
96. Which of the following is present in plant cell but NOT in animal cell;
- Reticulum
 - Vacuole
 - Mitochondria
 - Cell wall

97. Which one is first and longest phase of mitosis;
- a) Prophase
 - b) Metaphase
 - c) Anaphase
 - d) Telophase
98. Inner lining of the mouth and esophagus are covered with;
- a) Ciliated columnar epithelium
 - b) Cuboidal epithelium
 - c) Squamous epithelium
 - d) Stratified squamous epithelium
99. In vascular plants, Phloem contains
- a) Sieve tube
 - b) Tracheid
 - c) Vessel
 - d) All of above
100. What is the difference between the plant cell and animal cell?
- a) Both have a cell wall
 - b) Both have fixed shape
 - c) Animal cells are round and irregular in shape
 - d) Plant cell has many large central vacuole



13 - 10 - 2019							
MED - White							
1	D	26	D	S1	D	76	D
2	C	27	A	S2	A	77	A
3	D	28	A	S3	A	78	A
4	B	29	B	S4	C	79	D
5	A	30	B	S5	B	80	B
6	D	31	C	S6	B	81	D
7	C	32	A	S7	D	82	C
8	A	33	A	S8	B	83	B
9	B	34	A	S9	D	84	C
10	A	35	C	S10	C	85	D
11	C	36	C	S11	D	86	B
12	B	37	C	S12	C	87	A
13	C	38	B	S13	C	88	A
14	B	39	A	S14	A	89	C
15	B	40	C	S15	D	90	B
16	A	41	D	S16	A	91	C
17	D	42	A	S17	C	92	A
18	A	43	B	S18	D	93	B
19	C	44	B	S19	B	94	B
20	C	45	A	S20	C	95	C
21	C	46	B	S21	C	96	D
22	D	47	D	S22	C	97	A
23	A	48	B	S23	D	98	C
24	D	49	B	S24	D	99	A
25	D	50	A	S25	C	100	C