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51. QUESTION: The sets of numerical values which gives acceptable solutions for electron of any atom is called

_____.

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- A. Magnetic quantum number.
- B. Principal quantum number.
- C. Quantum number.
- D. None of the above

CORRECT ANSWER IS: Quantum number.

52. QUESTION: Quantum number which represents shell or energy level in which electron revolves around nucleus is

called_____.

- A. Magnetic quantum number.
- B. Principal quantum number.
- C. Quantum number.
- D. None of the above

CORRECT ANSWER IS: Principal quantum number.

53. QUESTION: For f-sub shell

- A. $m = 0, +1, +2, +3; l = 2$
- B. $m = 0, +1; l = 3$

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C. $m = 0, +1, +2, +3; l = 3$

D. $m = 0, +1, +2; l = 3$

CORRECT ANSWER IS: $m = 0, +1, +2, +3; l = 3$

54. QUESTION: For p-sub shell

A. $m = 0, +1; l = 1$

B. $m = 0; l = 1$

C. $m = 0, +1; l = 2$

D. $m = 0, +1; l = 3$

CORRECT ANSWER IS: $m = 0, +1; l = 1$

55. QUESTION: For d-sub shell

A. $m = 0, +1, +2, +3; l = 2$

B. $m = 0, +1; l = 3$

C. $m = 0, +1, +2; l = 2$

D. $m = 0, +1, +2; l = 3$

CORRECT ANSWER IS: $m = 0, +1, +2; l = 2$

56. QUESTION: Why atomic model of Rutherford failed?

A. Because it did not account for stability of atom.

B. Because there is no space between nucleus and electrons.

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C. Both a and b

D. None of the above

CORRECT ANSWER IS: Because it did not account for stability of atom.

57. QUESTION: Quantum number values for 2p orbitals are _____.

A. $l = 1, n = 1$

B. $l = 1, n = 2$

C. $l = 1, n = 3$

D. $l = 1, n = 4$

CORRECT ANSWER IS: $l = 1, n = 2$

58. QUESTION: In ground state of atom, electron are present

A. Nearest to nucleus

B. In the nucleus

C. Absent

D. None of the above

CORRECT ANSWER IS: Nearest to nucleus

59. QUESTION: Mathematical formula for azimuthal quantum number are

_____.

A. $l = n - 1$

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B. $l = n + 2$

C. $l = 2n - 1$

D. $l = 2n + 1$

CORRECT ANSWER IS: $l = n - 1$

60. QUESTION: Which is third most abundant element on earth?

A. Aluminum

B. Gold

C. Nitrogen

D. None of the above

CORRECT ANSWER IS: Aluminum

61. QUESTION: What is chemical symbol for gold _____.

A. Sn

B. Cu

C. Au

D. Pb

CORRECT ANSWER IS: Au

62. QUESTION: The center of an atom is called _____.

A. Electron

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- B. Proton
- C. Neutron
- D. Nucleus

CORRECT ANSWER IS: Nucleus

63. QUESTION: First element on the periodic table is _____.

- A. Oxygen
- B. Carbon
- C. Nitrogen
- D. Hydrogen

CORRECT ANSWER IS: Hydrogen

64. QUESTION: How many liquids are on periodic table?

- A. 2
- B. 12
- C. 22
- D. None of the above

CORRECT ANSWER IS: 2

65. QUESTION: P block elements are from _____ to _____ except _____ element.

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A. III A, VIII A, Sb

B. III A, VIII A, Ne

C. III A, VIII A, He

D. III A, VIII A, Ge

CORRECT ANSWER IS: III A, VIII A, He

66. QUESTION: Melting point of Aluminium Iodide is ?

A. 196 degrees

B. 197 degrees

C. 198 degrees

D. 199 degrees

CORRECT ANSWER IS: 198 degrees

67. QUESTION: In group IV A which hydride has highest boiling point?

A. GeH₄

B. CH₄

C. SiH₄

D. SnH₄

CORRECT ANSWER IS: GeH₄

68. QUESTION: In group IV A which hydride has highest melting point?

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A. GeH₄

B. CH₄

C. SiH₄

D. SnH₄

CORRECT ANSWER IS: SnH₄

69. QUESTION: The boiling point of NaCl is _____.

A. 807° C

B. 807° F

C. 808° C

D. 807° F

CORRECT ANSWER IS: 808° C

70. QUESTION: Metals are good conductors of _____.

A. Electricity only

B. Heat Only

C. Both Electricity and Heat

D. None of the above

CORRECT ANSWER IS: Both Electricity and Heat

71. QUESTION: Iodides possess

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- A. Covalent Bonding
- B. Strong Van der Waals Forces
- C. Both a and b
- D. None of the above

CORRECT ANSWER IS: Strong Van der Waals Forces

72. QUESTION: What is the nature of Hydrogen?

- A. Metalloids
- B. Metals
- C. Non-Metals
- D. None of the above

CORRECT ANSWER IS: Non-Metals

73. QUESTION: Iodides possess

- A. Covalent Bonding
- B. Strong Van der Waals Forces
- C. Both a and b
- D. None of the above

CORRECT ANSWER IS: Strong Van der Waals Forces

74. QUESTION: _____ conducts electricity in molten.

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- A. Halides
- B. Hydrides
- C. Chloride
- D. None of the above

CORRECT ANSWER IS: Hydrides

75. QUESTION: Alkali metals are placed in _____ group of periodic table.

- A. Group IA
- B. Group IIA
- C. Group IIIA
- D. None of the above

CORRECT ANSWER IS: Group IA

76. QUESTION: What are oxides?

- A. a binary compound of nitrogen with another element or group
- B. a binary compound of hydrogen with another element or group
- C. a binary compound of oxygen with another element or group
- D. All of the above

CORRECT ANSWER IS: a binary compound of oxygen with another element or group

77. QUESTION: Non-Metals forms _____ oxides.

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- A. Acidic Oxides
- B. Non-acidic oxides
- C. Both a and b
- D. None of the above

CORRECT ANSWER IS: Acidic Oxides

78. QUESTION: Non-Metals are poor conductors of _____.

- A. Electricity
- B. Heat
- C. Both a and b
- D. None of the above

CORRECT ANSWER IS: Both a and b

79. QUESTION: Which of the following chlorides is ionic?

- A. Sn_2Cl_2
- B. NaCl
- C. SiCl_4
- D. PCl_3

CORRECT ANSWER IS: NaCl

80. QUESTION: Atomic Number of Oxygen is

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- A. 7
- B. 8
- C. 9
- D. 10

CORRECT ANSWER IS: 8

81. QUESTION: The chemical element oxygen is discovered by _____.

- A. Joseph Priestley
- B. Carl Wilhelm Scheele
- C. Both a and b
- D. None of the above

CORRECT ANSWER IS: Both a and b

82. QUESTION: The chemical element oxygen is discovered in _____.

- A. 1672
- B. 1772
- C. 1872
- D. 1972

CORRECT ANSWER IS: 1772

83. QUESTION: The electro-negativity of oxygen is _____.

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A. 2.44

B. 3.44

C. 4.44

D. 5.44

CORRECT ANSWER IS: 3.44

84. QUESTION: Oxygen is in _____ block of periodic table.

A. p

B. s

C. f

D. d

CORRECT ANSWER IS: p

85. QUESTION: Total number of blocks in periodic table are _____.

A. 4

B. 5

C. 6

D. 7

CORRECT ANSWER IS: 4

86. QUESTION: How many groups are there in periodic table?

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A. 17

B. 18

C. 19

D. 20

CORRECT ANSWER IS: 18

87. QUESTION: How many periods are there in periodic table?

A. 6

B. 7

C. 8

D. 9

CORRECT ANSWER IS: 7

88. QUESTION: Groups are the _____ of periodic table.

A. Rows

B. Columns

C. Cells

D. None of the above

CORRECT ANSWER IS: Columns

89. QUESTION: Periods are _____ of periodic table.

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- A. Rows
- B. Columns
- C. Cells
- D. None of the above

CORRECT ANSWER IS: Rows

90. QUESTION: Electronic configuration of Oxygen is _____.

- A. 2s 2p
- B. 2s22p
- C. 2s 2p2
- D. 2s2 2p4

CORRECT ANSWER IS: 2s2 2p4

91. QUESTION: The name of oxygen family is _____.

- A. Alkali metal
- B. Chal-co-gens
- C. Halo-gens
- D. Noble gases

CORRECT ANSWER IS: Chal-co-gens

92. QUESTION: Chal-co-gens is in _____ group of periodic table.

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- A. 1st
- B. 3rd
- C. 16th
- D. 18th

CORRECT ANSWER IS: 16th

93. QUESTION: Alkaline earth metals are in _____ group of periodic table.

- A. 1st
- B. 2nd
- C. 3rd
- D. 4th

CORRECT ANSWER IS: 2nd

94. QUESTION: Pnicto-gens are in _____ group of periodic table.

- A. 14th
- B. 15th
- C. 17th
- D. 18th

CORRECT ANSWER IS: 15th

95. QUESTION: The atomic number of nitrogen is _____.

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- A. 7
- B. 17
- C. 27
- D. 37

CORRECT ANSWER IS: 7

96. QUESTION: The electronic configuration of nitrogen is _____.

- A. $1s^2$
- B. $1s^2 2s^2$
- C. $1s^2 2s^2 2p^2$
- D. $1s^2 2s^2 2p^3$

CORRECT ANSWER IS: $1s^2 2s^2 2p^3$

97. QUESTION: The chemical element nitrogen is discovered in _____.

- A. 1771
- B. 1772
- C. 1773
- D. 1774

CORRECT ANSWER IS: 1772

98. QUESTION: Electro-negativity of nitrogen is _____.

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A. 3.04

B. 3.14

C. 3.44

D. 3.54

CORRECT ANSWER IS: 3.04

99. QUESTION: The atomic mass of nitrogen is _____.

A. 15.007

B. 14.007

C. 13.007

D. 12.007

CORRECT ANSWER IS: 14.007

100. QUESTION: The atomic number of carbon is _____.

A. 6

B. 7

C. 8

D. 9

CORRECT ANSWER IS: 6

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