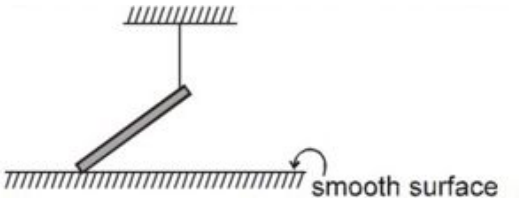
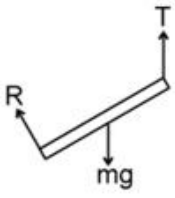
Time :3.00Hrs **NEET WEEKEND TEST** Ex. Date : 06.09.2020

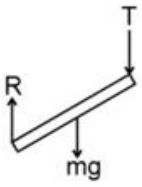
Sec : MB Max. Marks = 720 m

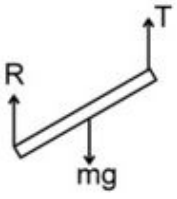
PHYSICS

1. Let E,G and N represents the magnitude of electromagnetic, gravitational and nucler forces between two protons at a given separation (1 fermi meter).then
   1) N<E<G 2)E> N >G 3) G>N >E 4)N > E > G
2. Which figure represents the correct F.B.D. of rod of mass m as shown in figure:



1) 

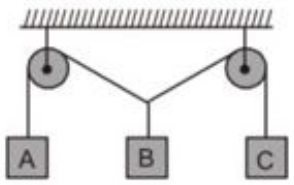
2) 

3) 

4) None of these

3. In a tug of war each of the two teams apply 1000 Newton force at the ends of a rope, which is found to be in equilibrium the tension in the rope is-
   1) 2000 newton 2)1000 newton 3) 500 newton 4) Zero
4. When a body is stationary-
   1) There is no force acting on it
   2) The force acting on it not in contact with it
   3)The combination of forces acting on it balance each other
   4) The body is in vaccum
5. Essential characteristic of translational equilibrium is-
   1)its momentum is equal to zero
   2)itsaccelerationis equal to zero
   3)its kinetic energy equal to zero
   4)a single force acts on it
6. Newton's Third law is equivalent to the-
   1)law of conservation of linear momentum
   2)law of conservation of angular momentum
   3)law of conservation of energy
   4)law of conservation of energy and mass
7. A cannon after firing recoils due to-
   1) Conservation of energy
   2) Backward thrust of gases produces
   3)Newton's third law of motion
   4)Newton's first law of motion

8. An object will continue accelerating until:
   1)resultant force on it begins to decrease
   2)its velocity changes direction
   3)the resultant force on it is zero
   4)theresultant force is at right angle to its direction of motion
9. In the case of horse pulling a cart, the force that causes the horse to move forward is the force that:
   1)the horse exerts on the ground
   2)the horse exerts on the cart
   3)the ground exerts on the horse
   4)the cart exerts on the horse
10. A rider on horse falls back when horse starts running,all of sudden because-
   1)rider is taken back
   2)riderb is taken back
   3)rider of rest keeps the upper part of body at rest while lower part of the body moves forward with the horse
   4)none of the above
11. A particle is moving with a constant speed along a straight line path.A force is not required to:
   1) Increase its speed 2) Decrease the momentu
   3) Change the direction 4)keep it moving with uniform velocity
12. The momentum of a system is conserved :
   1) Always
   2) Never
   3)In the absence of an external force on the system
   4) None of the above
13. A particle is moving with a constant speed along a straight line path. A force is not required to:
   1)increase its speed 2) decrease its momentum
   3)change the direction 4)keep it moving with uniform velocity
14. Three blocks A,B and C are suspended as shown in the figure. Mass of each block A and C is m.if system is in equilibrium and mass of B is M, then:



   1) M=2m 2)M< 2m 3) M > 2m 4) M=m
15. We can derive newton 's-
   1)second and third laws from the first law
   2)first and second laws from the third law
   3)third and first laws from the second law
   4)all the three laws are independent of each others

16. A man getting down a running bus, falls forward because-
1)due to inertia of rest, road is left behind and man reaches forward
2)due to inertia of motion upper part of body continues to be in motion in forward direction while feet come to rest as soon as they touch the road
3)he leans forward as a matter of habit
4)of the combined effect of all the three factors stated in (1),(2) and (3)

17. A person standing on the floor of an elevator drops a coin. The floor of the elevator in a time t_1 if the elevator is stationary and in time t_2 if it is moving with constant Velocity.Then-
1)$t_1=t_2$ 2) $t_1< t_2$ 3) $t_1 > t_2$ 4) $t_1< t_2$ or $t_1 > t_2$

18. A train in moving in the north at a speed 10 m/sec. Its length is 150 m .A parrot is flying parallel to the train in the south with a speed of 5m/s. The time taken by the parrot to cross the train will be-
1)12 sec. 2) 8 sec. 3) 15 sec. 4) 10 sec.

19. Two care are moving in the same direction with the same speed 30 km/hr. They are separated by a distance of 5 km,the speed of a car moving in the opposite direction if it meets these two cars at an interval of 4 minutes, will be-
1) 40 km/hr 2) 45 km/hr 3) 30 km/hr 4) 15 km/hr

20. A stone isthrown upwards from a tower with a velocity 50 ms^{-1} . Another stone is simultaneously thrown downwards from the same location with a velocity 50 ms^{-1}, When the first stone is at the highest point, the relative velocity of the second stone w.r.t. the first stone is (assume that second stone has not yet reached the ground) :
1) Zero 2) 50 ms^{-1} 3) 100 ms^{-1} 4) 150 ms^{-1}

21. A thief is running away on a straight road in a jeep moving with a speed of 9 m s^{-1}, A police man chases him on a motor cycle moving at a speed of 10 ms^{-1}, if the instantaneous separation of the jeep from the motorcycle is 100m, how long will it take for the police man to catch the thief?
1) 1s 2) 19 s 3) 90 s 4) 100s

22. A body is thrown up in a lift with a velocity u relative to the life and the time of flight is found to be't' .The acceleration with which the lift is moving up will be-
1) $\frac{u-gt}{t}$ 2) $\frac{u+gt}{t}$ 3) $\frac{2u-gt}{t}$ 4) $\frac{2u+gt}{t}$

23. Two trains A&B 100 km apart are travelling towards each other on different tracks with starting speed of 50 km/h for both. The train A accelerates at 20 km/h^2 and the train B retards at the rate 20 km/h^2.The distance covered by the train A when they cross each other is :
1) 45 km 2) 55 km 3) 65 km 4) 60 km

24. A bus is moving with a velocity 10 ms^{-1}on a straight road. A scooterist wisher to overtake the bus in 100s.if,the bus is at a distance of 1 km from the scooterist, with what velocity should the scooterist chase the bus?
1) 50 ms^{-1} 2) 40 ms^{-1} 3) 30 ms^{-1} 4) 20 ms^{-1}

25. A 120 m long train is moving towards west with a speed of 10 m/s. A bird flying towards east with a speed of 5 m/s crosses the train. The time taken by the bird to cross the train will be-
1) 16 sec 2) 12 sec 3) 10 sec 4) 8 sec

26. A particle is thrown up inside a stationary lift of sufficient height. The time of flight is T. Now it is thrown speed v_0 and uniform acceleration g upward (the acceleration due to gravity). The new time of flight is-
1) $\frac{T}{4}$ 2) $\frac{T}{2}$ 3) T 4) 2T

27. A bird is flying towards east with a velocity 40 km/hr and train is moving with a velocity 40 km/hr towards east. A man in train drops a food packet. The path of food packet as seen by bird till it falls on ground is (ignore air resistance)
1)parabola 2) circle 3) hyperbola 4) straight line

28. A body A is going from south to North and body B is going from West to East with identical velocity.Then direction of relative velocity of A with respect to B is-
1) North- West 2) South- West3) North- East 4) South-East

29. A car A is going North-East at 80 km/hr .and another car B is going South-East at 60 km/hr. Then the direction of the velocity of A relative to B makes with the North and angle α such that tan α is-
1) $\frac{1}{7}$ 2) $\frac{3}{4}$ 3) $\frac{4}{3}$ 4) $\frac{3}{5}$

30. The speed of a boat is 5 km/hr in still water .if it crosses a river of width 1 km along the shortest possible path in 15 min., then velocity of the river is-
1) 4 km/hr 2) 3 km/hr 3) 2 km/hr 4) 1 km/hr

31. A boat p is moving art 40 km/hr and another boat Q is moving at 20 km/hr.Which one of the following isnot a possible value for their relative velocity-
1)10 km/hr 2) 20 km/hr 3) 30 km/hr 4) 40 km/hr

32. A boat takes two hours to travel 8 km and back in still water. If the velocity of water is 4km/h, the time taken for going upstream 8 km and coming back is -
1) 2h 2) 2h 40 min
3)1h 20min4)Cannotbe estimated with the information given

33. A boat crosses a river with a velocity of 8 km/h .if the resulting velocity of boast is 10 km/h then the velocity of river water is-
1) 4 km/h 2) 6 km/h 3) 8 km/h 4) 10 km/h

34. During a rainstorm,raindrops are observed to be striking the ground at an angle θ with the vertical. Awind is blowing horizontally at the speed of 5.0 m/s. The speed of raindrops is

1) $5\sin\theta$ 2) $\frac{5}{\sin\theta}$ 3) $5\cos\theta$ 4) $\frac{5}{\cos\theta}$

35. A car with a vertical wind shield moves along in a rain storm at speed of 40 km/hr. The rain drops fall vertically with a terminal speed of 20 m/sec. The angle at which the rain drops strike the wind shield is -

1) $\tan^{-1}\left(\frac{5}{9}\right)$ 2) $\tan^{-1}\left(\frac{9}{5}\right)$ 3) $\tan^{-1}\left(\frac{3}{2}\right)$ 4) $\tan^{-1}\left(\frac{2}{3}\right)$

36. Aman standing on a road hold his umbrella at 30^0 with the vertical to keep the rain away. He throws the umbrella and starts running at 10 km/hr. He finds that raindrops are hitting his head vertically, the speed of raindrops with respect to the road will be-

1) 10km/hr 2) 20 km/hr3) 30 km/hr 4) 40 km/hr

37. It is raining vertically downwards with a velocity of 3 km h^{-}A man walks in the rain a velocity of 4 km h^{-1} The rain drops will fall on the man with a relative velocity of:

1) 1 kmh^{-1} 2) 3 km h^{-1} 3) 4 kmh^{-1} 4) 5 kmh^{-1}

38. Rain seems to be falling to a person sitting in a bus moving uniformly eastwards a with 10 m/s. It appears to come from vertical and hit the bus windows at a velocity 20 m/s. Find the velocity of rain drops w.r.t. ground.

1) $5\sqrt{5}$ m/s 2) $5\sqrt{5}$ m/s 3) $10\sqrt{5}$ m/s 4) $10\sqrt{10}$ m/s

39. Rain is falling vertically with a velocity of 3 kmh^{-1}Aman walks in the rain with a velocity of 4 km $^{-1}$.The rain drops will fall on the man with a velocity of

1) 5 kmh^{-1}) 2) 4 kmh^{-1} 3) 3kmh^{-1} 4) 1kmh^{-1}

40. To a stationary man, rain appears to be falling at an angle 30^0 with the vertical. As he starts moving with a speed of 0.5 m/s he finds that the rain is falling vertically .Then the speed of rain w.r.t. the moving man is:

1) 0.5 m/s 2)1 m/s 3) 0.5 $\sqrt{3}$ m/s 4) $\sqrt{3}$ m/s

41. A man walks in rain with a velocity of 5kmh^{-1}. The rain drops strike at him at an angle of 45^0 with the horizontal. velocity of rain if it is falling vertically downward-

1) 5 kmh^{-1} 2) 4kmh^{-1} 3) 3kmh^{-1} 4) 1kmh^{-1}

42. Raindrops are falling vertically with a velocity of 10 m/s. To a cyclist moving on a straight road the raindrops appear to be coming with a velocity of 20 m/s. The velocity of cyclist is:

1) 10 m/s 2) 10 $\sqrt{3}$ m/s 3)20 m/s 4) 20 $\sqrt{3}$ m/s

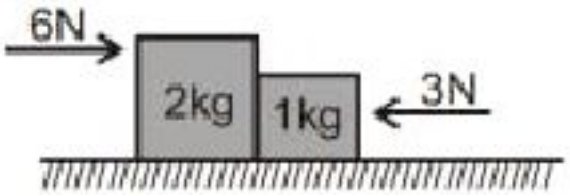
43. Two identical trains take 3 sec. to pass one another when going in opposite direction. But takes only 2.5 sec, if the speed of oneis increased by 50% Then time one would take to pass the other when going in the same direction at their original speed is-

1) 10 sec 2) 12 sec 3) 15 sec 4) 18sec

44. Two blocks are in contact on a frictionless table. One has mass m and the other 2m. A force F is applied on 2m as shown in the figure. Now the same force F is applied from the right on m. In the two cases respectively, the ratio of force of contact between the two blocks will be :

1) Same 2) 1 : 2 3) 2 : 1 4) 1 : 3

45. Two forces of 6N and 3N are acting on the two blocks of 2kg and 1kg kept on frictionless floor. What is the force exerted on 2kg block by 1kg block ?



1) 1N 2) 2N 3) 4N 4) 5N

CHEMISTRY

46. In photoelectric effect the energy of photon striking a metallic surface is $5.6\times10^{-19}J$. The kinetic energy of ejected electrons is $12.0\times10^{-20}J$. The work function is

1) $6.4\times10^{-19}J$ 2) $6.8\times10^{-19}J$ 3) $4.4\times10^{-19}J$ 4) $6.4\times10^{-20}J$

47. The wavelength of a spectral line emitted hydrogen atom in the Lyman Series is $\frac{16}{15R}cm$. What is the value of n_2

1) 2 2) 3 3) 4 4) 1

48. A ball of mass 200 gm is moving with velocity of $10ms^{-1}$. If the error in measurement of velocity is 0.1 % uncertainty in it's position is

1) $3.3\times10^{-31}m$ 2) $3.3\times10^{-27}m$ 3) $5.3\times10^{-25}m$ 4) $2.64\times10^{-32}m$

49. The wavelength of radiation emitted by hydrogen when compared to He^+ ion is

1) 2 times that of He^+ ion 2) 3 times that of He^+ ion

3) 4 times that of He^+ ion 4) same as He^+ ion

50. For the atomic radius of the order 10^{-8} cm and nuclear radius of the order $10^{-13} cm$. The fraction of atom occupied by the nucleus will be

1) $10^{-13} \times atomic\ volume$ 2) $10^{-14} \times atomic\ volume$

3) $10^{-15} \times atomic\ volume$ 4) $10^{-16} \times atomic\ volume$

51. Line spectrum is the characteristic spectrum of

1) atoms 2) molecules

3) Any substance in the solid state 4) Any substance in liquid state

52. According to Bohr's theory the angular momentum of electron in the fifth orbit is

1) $\frac{25h}{\pi}$ 2) $\frac{1.0h}{\pi}$ 3) $\frac{10h}{\pi}$ 4) $\frac{2.5h}{\pi}$

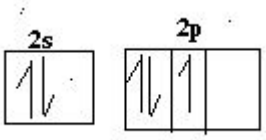
53. An element with mass number 81contains 31.7% more neutrons as compared to proton. Assign the atomic symbol.

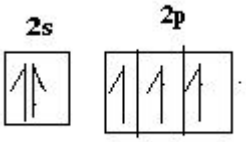
1) $_{34}Se^{81}$ 2) $_{35}Br^{81}$ 3) $_{36}Ar^{81}$ 4) $_{37}Rb^{81}$

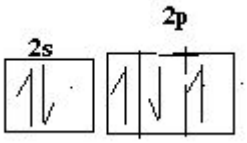
54. $IS^2 2S^2 2P^6 3S^2 3P^6 3d^5$ is not the electron configuration of

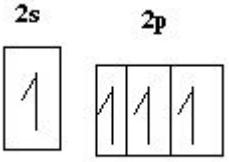
1) Mn^{3+} 2) Fe^{3+} 3) Cr^{+} 4) Co^{4+}

55. Which of the following orbital diagram violates pauli's exclusion principle ?

1) 

2) 

3) 

4) 

56. The de Broglie wavelength of the electron in the ground state of hydrogen atom is: [K.E. = 13.6 eV]; 1 eV = 1. 602 x 10^{-19}J.

1) 33.28 nm 2) 3.328 nm 3) 0.3328 nm 4) 0.0332 nm

57. The element with atomic number 118 is likely to have same outer shell configuration as the element with atomic number:

1) 36 2) 28 3) 58 4) 88

58. Number of angular nodes for 4d orbital is ____

a) 4 b) 3 c) 2 d) 1

59. How many 'd' electrons are present in Cr^{2+} ion?

a) 4 b) 5 c) 6 d) 3

60. A particle 'x' moving with a certain velocity has deBroglie wavelength of $1A^0$. If particle 'y' has mass 25% that of 'x' and velocity 75% that of 'x' deBroglie wavelength of y will be

1) $4.8A^0$ 2) $6.88\ A^0$ 3) $5.33A^0$ 4) $3A^0$

61. For the principal quantum number $n = 4$, the total number of orbitals having $l = 3$ is

1) 3 2) 5 3) 7 4) 9

62. Identify the incorrect statements

1) The electronic configuration of Cr is [Ar] $3d^5, 4s^1$ (Atomic No. of Cr=24)

2) The magnetic quantum number may have a negative value.

3) In silver atom, 23 electrons have a spin of one type and 24 of the opposite type, (Atomic No. of Ag=47)

4) The electronic configuration of Cu is [Ar] $3d^9 4s^2$ (Atomic No. of Cu=29)

63. Which statement is correct for an electron that has $n = 4$ and $m = -2$?

1) The electron may be in a d -orbital 2) The electron is in 3^{rd}-orbit

3) The electron may be in a p -orbital 4) The electron must have a spin quantum number+1/2

64. In which of the following pairs is the probability of finding the electron in xy-plane zero for both orbitals?

(1) $3d_{yz}, 4d_{x^2-y^2}$ (2) $2p_z, dz^2$ (3) $4d_{ZX}, 3p_Z$ (4) All of these

65. Electronic transition in He^+ ion takes from n_2 to n_1 shell such that :

$2n_2 + 3n_1 = 18$ ….(i)

$2n_2 - 3n_1 = 6$

Then what will be the total number of photons emitted when electrons transit to n_1 shell from n2 level ?

1) 21 2) 15 3) 20 4) 10

66. Select the incorrect statement among the following

1) For dz^2 orbital smoke ring (collor) lies in XY plane

2) For d_{xy} orbital, YZ and ZX are the nodal planes

3) Angle between adjacent lobes along different axes in $d_{x^2-y^2}$ orbital is 180^0

4) Spin quantum number cannot be deduced from schrodinger wave equation.

67

List – I (Hydrogen atom)	List – II (Expression)
1) Total energy	A) $2\pi Ze^2 / nh$
2) Kinetic energy	B) $-2\pi^2 mZ^2e^4 / n^2h^2$
3) Rydberg constant	C) $2\pi^2 mZ^2e^4 / ch^3$
4) Velocity	D) $2\pi^2 mZ^2e^4 / n^2h^2$

1	2	3	4
1) B	D	C	A
2) C	D	B	A
3) B	D	A	C
4) D	B	A	C

68 Which one of the following leads to the third line of Balmer series from red end for hydrogen atom

1) $2 \rightarrow 5$ 2) $5 \rightarrow 2$ 3) $3 \rightarrow 2$ 4) $4 \rightarrow 1$

69. Which of the following is not a Doeberiner triad-
1) Li, Na,K 2)Mg,Ca,Sr 3)Cl,Br,I 4)S,Se,Te

70. Which of the following set of elements obeyesNewland's octave rule-
1)Na,K,Rb 2)F,Cl,Br 3)Be,Mg,Ca 4)B,Al,Ga

71. Which is not anomalous pair of elements in the Medeleeves periodic table-
1)Ar and K 2) Co and Ni 3)Te and I 4) Al and Si

72. Elements Which occupied position in the lothermeyer curve, on the peaks, were-
1) Alkali metals 2) Highly electro positiveelements
3) Elements having large atomic volume 4) All

73. Atomic no. is the base of-
(i) Lothermeyer curve (ii)Newland octaverule
(iii)Moderinerperiodic table (iv)Doeberienertriadrule
(v) Long frorm of periodictable
1)(i),(ii),(iv) 2) (iii),(v) 3) (i),(iv) 4) (i),(iii),(v)

74. Justification of putting H in VII A group is-
1) H is gas 2) H is non metal
3) It form Na H like salt 4)It has ortho and para allotropes

75. The discovery of which of the following group of elements gave a death blow to the Newlands Law-
1) Inert gases 2) Alkali metals
3) Transuranic element 4) Halogens

76. The minimum number of carbon atoms present in an organic compound to show chain isomerism are
1) 2 2) 3 3) 5 4) 4

77. In the Doberiener'striafd all three element have same -
1) Electronic configuration 2) Properties
3)Number of shells 4) (1) & (2) both

78. The minimum number of carbon atoms present in an organic compound to be able to show positon isomerism are :
1) 3 2) 4 3) 2 4) 5

79. The simplest pair of compounds exhibiting functional group isomerism have a minimum of
1) Four carbons 2) Three carbons 3) Five carbons 4) Two carbons

80. Which of the following isomerism can not be classified as structural isomerism
1) Functional group 2) Position
3) Chain 4) Geometrical

81. How many isomers of $C_5H_{11}OH$ will be primary alcohols
1) 2 2) 3 3) 4 4) 6

82. The minimum number of carbon atoms in ESTER to show metamerism
1) 3 2) 4 3) 5 4) 6

83. Correct formula of aluminium perchlorate is:
1) Al $(CIO)_3$ 2)$AI(CIO_2)_3$ 3) $Al_2(CIO_3)_3$ 4)$Al(CIO_4)_3$

84. Sodium chlorite is :
1) $NaCIO_3$ 2)$NaCIO_2$ 3)NaCIO 4) $NaCIO_4$

85. Aluminium phosphide is:
1) AIP_3 2) AI_2P_3 3)AIP 4) AI_3P_2

86. Formula of Dioxygen diflouride is:
1) OF_2 2) O_2F 3)O_2F_2 4) O_2F_3

87. Barium azide is:
1)BaN 2) Ba_2N_3 3) SiF_4 4) SiF_6

88. Silicon fluoride formula is:
1)SiF 2)SiF_3 3)SiF_4 4)SiF_6

89.Aluminium carbide is:
1) AI_2C 2)AI_4C_3 3) AIC_3 4) AIC

90. If m =magnetic quantum number $l = Azimutal$ quantum number then

1) $m = l + 2$ 2) $m = 2l^2 + 1$ 3) $l = \frac{m-1}{2}$ 4) $l = 2m + 1$

BIOLOGY

91. A cephalopod without a shell is:
1) pila 2)Octopus 3) Sepia 4)Unio

92. Caphalopoda is a class of Mollusca in which:
1) Notochord extends up to head 2)Foot is located on head
3) Head is located on foot 4)Foot is absent

93. Pearl oyster belongs to the class:
1) Cephalopoda 2)Pelecypod 3)Scaphopoda 4)Gastropoda

94. Insects have blood which:
1)Resembles human blood in colour 2)Circulates through arteries and veins
3) Circulates through open system 4)Hashaemoglobin in the cells

95. Insects excrete nitrogen as:
1)Uric acid 2)Guanine 3)Urea 4)Ammonia

96. Spiders and scorpion belong to class:
1)Anthozoa 2)Merostomata 3)Arthropoda 4)Arachnida

97. Book-lungs are respiratory structures found in:
1) Scopion 2) Culex 3) Housefly 4) Cockroach

98. Which is a cold blooded animal?
1) Pigeon 2) Shark 3) Kangaroo 4) Rabbit

99. Molluscan blood contains:
1)Haemoglobin 2)Haemocyanin 3)Haemozoin 4)All the above

100. The phylum Arthropoda is characterized by:
1)absence of appendages 2)presence of flame cells
3)jointed appendages 4)unjointed appendages

101. A postanal tail is absent in:
1)Snake 2)Earthworm 3)Rabbit 4)Lizard

102. Which of the following belongs to phylum Annelida?
1)Nereris 2)Octopus 3)Crab 4)Ant

103. The most important character of annelids is:
1)Metamerism 2)Hermaphroditism
3)Elongatedbody 4) Presence of nephridium

104. Excretory organ of an annelid:
1)Green gland 2)Flame cell3)OrganofBojanus 4)Nephridium

105. Which of the following is not an annelidan character?
1)Triploblastic body 2)Enterocoel
3)Metamerism 4)Bilateral symmerty

106. Pineal setae arise from:
1)Vulva of female Ascaris 2)Cloaca of male roundworn
3)Gonopore of female roundworm 4)None

107. Body plan in a roundworm is:
1)Cell aggregate 2)Blindsac 3)Tube within a tube 4)None

108. Ascaris can be described as:
1)Ectoparasite 2)Endoparasite 3)Symbiont 4)Free-living

109. Female Ascaris is identified on the basis of:
1)A common cloacal aperture
2)Straight posterior end
3)Presenceof preanal and postanal papillae
4)Presence of two spicules at posterior end

110. Roundworms differ from flatworms in having a:
1)Pseudocoel 2)Circular muscle layer
3)Dorsal nerve cord 4)Cirulatory system

111. Turbellarians are:
1)Parasitic nematodes 2)Free-living flatworms
3) Parasitic trematodes 4) Free- living nematodes

112. Liver fluke belongs to the class:
1)Cestoda 2)Nematoda 3)Turbellaria 4)Trematoda

113. Pseudometamerism is found in:
1)Fasciola 2)Taenia 3)Planaria 4)Ascaris

114. Inplatyhelminthes:
1)Nerve cords are present 2)Nerve cords are absent
3)Nerve nets are present 4)All are present

115. Flatworms resemble to coelenterates in:
1)body plan 2) symmetry
3)number of germ layers 4) parasitism

116. Living fossil is:
1)Dogfish 2)flying fish
3)Coelacanth (Latimeria) 4)Dodo

117. Branch of biology dealing with study of fishes is:
1) Toxicology 2) Ornithology 3)Piscology 4)Ichthyology

118. Pharyngeal gill slits are found in:
1)Cuttle fish 2) Crayfish 3) Octopus 4)Dogfish

119. Anadromous fishes move:
1)from set to freshwater 2) from set to estuary
3)from river to sea 4) from estuary to sea

120. Cartilaginous fishes do not have:
1)Operculum 2) Scales 3) Gill slits 4) Pelvic fins

121. Peculiarity of fish heart is that it has :
1) All arterial blood 2)All venous blood
3)Partly arterial and partly venous blood
4) No blood at all

122. How many nostrils are present in a petromyzon?
1)Single 2) Double 3) Many 4) None

123. Which one is a true fish?
1) Whale 2) Cuttlefish 3) Silverfish 4)Flying fish

124. Petromyzon is:
1)Anadromous 2) Catadromous 3) Both 4) None

125. Which of the following statements is not true for Agnatha?
1) They include hagfishes and lampreys
2) They have notochord throughout their lives
3)They are known as cyclostomes
4)They have bony skeletons

126. Petromyzon is not a true fish because of:
1)absence of median fins 2) presence of gills
3)absence of paired fins and true jaws4) absence of operculum

127. In vertebrates which one of the following structures is believed to have been transformed into thyroid gland?
1)Pygostyle 2)Urostyle 3) Anal style 4)Endostyle

128. Which of the following sets is mismatched?
1) Spider, Centipede, Cockroach 2)Bat,Goat, Horse
3)Cray fish, Cuttle fish, Hag fish 4) Starfish, Sea cucumber,Sea Urchin

129. Lampreys are:
1)jawless fishes 2)jawless primitive vertebrates
3)jawed fishes 4) fishes with a spherical mouth

130. Amphioxus belongs to:
1)Cephalochordata 2)Urochordata 3) Vertebrata 4)Hemichordata

131. Besides Annelida and Arthropoda, the metamerism is exhibited by:
1)Acanthocephala 2)Chordata 3) Mollusca 4)Cestoda

132. Adult is degenerated in:
1) Petromyzon 2) Amphioxus 3)Herdmania 4) Hagfish

133. Balanoglossus is also called as:
1)Tongue worm 2) Hookworm 3) Shipworm 4) Silk worm

134. Body of a urochordate is enclosed in a:
1) Mantle 2)Test or tunic 3) Shell 4)Shield

135. Stomatochord is found in:
1)Balanoglossus 2)Herdmania 3)Pyrosoma 4) Amphioxus

136. Larva of Balanoglossus is:
1)Tomaria 2) Muller's larva 3)Kentrogen larva 4) Tadpole

137. All protochordates are:
1) Freshwater 2)Marine 3) Aquatic 4) None of these

138. The wheel organ is found in:
1)ascidian 2)lancet 3)atarfish 4) acorn worm

139. One of the following is cold blooded:
1) Camel 2) Bat 3) Pigeon 4)Snake

140. Homoiothermal animals are:
1)Pigeon, Bat and Rabbit 2)Fish,Frog and Lion
3)Tortoise,Lizard and Pigeon 4) Rat, Snake and Crocodile

141. Structure Present in all adult vertebrates:
1) Notochord 2)Dorsal tubular nerve cord
3) Pharyngeal gill slits 4) Renal portal system

142. A chordate character is:
1)Gills 2)Post-anal tail
3) Spiracles 4)Chitinous exoskeleton

143. Group amniota includes:
1)Retiles, birds and mammals 2) Birds and reptiles
3)Birds and mammals 4) Reptiles and mammals

144. Starfish belongs to the class:
1) Pisces 2)Asteroidea 3)Ophiuroidea 4)Cephalopoda

145. Which type of fertilization occurs in echinoderms?
1)External 2) Internal 3) In cocoon 4) In ootheca

146. Ambulacral system is known as:
1) Canal system 2)Haemal system
3)Water vascular system 4)None of these

147. Excretory organs in echinoderms are:
1)Coxal glands 2) Green glands
3) Malpighian tubules 4)None

148. which of the following are radially symmetri-cal animals?
1)Coelenterata 2) Echinodermata 3)Both 4) Mollusca

149. Velum is found in:
1)Herdmania 2) Amphioxus 3)Branchiostoma 4)Both (b) and(c)

150. Which of the following types of fishes have heterocercal tail?
1)Dipnoi fish 2) Bony fish 3)Cartilaginous fish 4) All of these

151. Which fins are paired in fishes?
1)dorsal and anal fin 2) caudal fin and dorsal fin
3)pelvic fin and ventral fin 4)pectoral fin and pelvic fin

152. Fresh water bony fishes maintain water balance by:
1)excreting hypotonic urine 2) excreting salt across their gills
3)drinking small amount of watere 4) excreting waste in form of uric acid

153. In Urochordata notochord is found in:
1)tail is adult 2) test of adult 3) head of adult 4)tail of larva

154. Which of the following are anamniotes?
1)Reptilia,Mammalia and aves 2)Reptilia,aves and Amphibia
3) Amphibia, avesand , Mammalia 4)Chondrichthyes,Osteichthyes, Amphibia

155. A mollusk differs from others by:
1) Segmented body and shell 2) Mantle and gill
3) Segmented body and mantle 4)Mantle and shell

156. In which of the following notochord is present in embryonic stage?
1)All chordates 2) Vertebrates 3) Some chordates 4)Nonchordates

157. A member of Hemichordata is:
1)Salpa 2) Petromyzon 3)Myxine 4)Balanoglossus

158. Ammocoete larva occurs in the life-history of:
1)Lamprey 2) Sea urchin 3)Balanoglossus 4) Ascidian

159. Oikopleura belongs to:
1)Tunicata 2)Cephalochordata 3)Hemichordata 4)Cyclostomata

160. The carnivorous fish ,Gambusia, is introduced in the lakes, ponds to control a deadly disease in India ,feeds on the larvae of:
1)Nephantis 2) Dragon fly 3)Anopheles 4) All of these

161. Which of the following is not found in vertebrates?
1)Bilateral symmetry 2) Gill openings
3) Body scales 4)Cnidoblasts

162. A fish has no:
1) Head 2)Neck 3) Trunk 4) Tail

163. Excretory products of fishes are:
1) Ammonia 2) Urea 3) TMO 4)All of these

164. Which of the following is a chordate feature not shared by the non-chordates?
1) Triploblastic body 2) True coelom
3) Bilateral symmetry 4)Pharyngeal gill-slits

165. Which of the following is not a fish?
1)Scoliodon 2) Electric ray 3)Whale 4) Sea horse

166. Torpedo is commonly known as:
1) Suckerfish 2) Globefish 3)Electric ray 4) Sea horse

167. A fish differs from whale in having:
1) Blubber 2) Lungs 3) Teeth 4)Gills

168. Scoliodon is commonly called dogfish due to one of its following characteristics?
1) Gait 2) Mouth 3) Carnivorous 4)Power of smell

169. Elasmobranchi is the group that includes:
1) Bony fishes 2) Lung fishes
3)Cartilaginous fishes 4) Lampreys and Hagfishes

170. The most poisonous fish is:
1) Porcupine fish 2)Stone fish
3) Catfish 4) Scorpion fish

171. Fish is a good source of:
1) Carbohydrates 2)Proteins 3) Fats 4) Minerals

172. Heart of a fish is:
1) One chambered 2)Two chambered 3) Three chambered 4) Four chambered

173. In a fish aquarium green aquatic plants are grown primarily for:
1)Oxygen 2) Carbon dioxide 3) Fish feed 4) Decoration

174. Ampulla of Lorenzini in fishes is a:
1)Thermoreceptor 2)Rheoreceptor 3)Phonoreceptor 4) Photoreceptor

175. Cartilaginous fishes are generally:
1) Viviparous 2)Marine 3) Fresh water 4) Hermaphrodites

176. Isinglass is obtained from:
1)Air bladder 2) Scales 3) Liver 4) All of above

177. Lateral line system is present in:
1)Fish 2)Forg 3) Reptile 4) Man

178. In India,the best aquarium is located at:
1) ZSI, Calcutta 2) Tarapur, Mumbai
3) Chennai 4) Vishakhapatnam

179. Electric organs occur in:
1) Sharks 2) Goldfish 3) Rays 4) Porpoises

180. Gambusia is:
1) Parasitic fish 2) Pest of fishes
3) Fish predator of mosquito larvae 4) A mosquito spreading yellow fever

Time : 3.00Hrs **NEET WEEKEND TEST** **Ex. Date : 06.09.2020**

Max. Marks = 720 m

KEY SHEET

PHYSICS

1) 4	2) 3	3) 2	4) 3	5) 2	6) 1	7) 3	8) 3	9) 3	10) 3
11) 4	12) 3	13) 4	14) 2	15) 4	16) 2	17) 1	18) 4	19) 2	20) 3
21) 4	22) 3	23) 4	24) 4	25) 4	26) 2	27) 4	28) 1	29) 1	30) 2
31) 1	32) 2	33) 2	34) 2	35) 1	36) 2	37) 4	38) 3	39) 1	40) 3
41) 1	42) 2	43) 3	44) 2	45) 3					

CHEMISTRY

46) 3	47) 3	48) 4	49) 3	50) 3	51) 1	52) 4	53) 2	54) 1	55) 2
56) 3	57) 1	58) 3	59) 1	60) 3	61) 3	62) 4	63) 1	64) 3	65) 4
66) 3	67) 1	68) 2	69) 2	70) 3	71) 4	72) 4	73) 2	74) 3	75) 1
76) 4	77) 2	78) 1	79) 2	80) 4	81) 3	82) 1	83) 4	84) 2	85) 3
86) 3	87) 3	88) 3	89) 2	90) 3					

BIOLOGY

91) 2	92) 2	93) 2	94) 3	95) 1	96) 4	97) 1	98) 2	99) 2	100) 3
101) 2	102) 2	103) 1	104) 4	105) 2	106) 2	107) 3	108) 2	109) 2	110) 1
111) 2	112) 4	113) 2	114) 1	115) 1	116) 3	117) 4	118) 4	119) 1	120) 1
121) 2	122) 1	123) 4	124) 1	125) 4	126) 3	127) 4	128) 3	129) 2	130) 1
131) 2	132) 3	133) 1	134) 2	135) 1	136) 1	137) 2	138) 2	139) 4	140) 1
141) 2	142) 2	143) 1	144) 2	145) 1	146) 3	147) 4	148) 3	149) 4	150) 3
151) 4	152) 1	153) 4	154) 4	155) 4	156) 1	157) 4	158) 1	159) 1	160) 3
161) 4	162) 2	163) 4	164) 4	165) 3	166) 3	167) 4	168) 4	169) 3	170) 2

171) 2	172) 2	173) 1	174) 1	175) 2	176) 1	177) 1	178) 2	179) 3	180) 3