



# SAFE HANDS & IIT-ian's PACE

## BPT # 05 (NEET) SOLUTIONS

1. (b)

**Sol.** During the propagation of longitudinal wave in a medium, energy, not the matter is transmitted through the medium.

2. (b)

**Sol.** Here,  $L = 20\text{m}$ ,  $T = 200\text{N}$ ,  $M = 2.5\text{kg}$

Mass per unit length,

$$\mu = \frac{M}{L} = \frac{2.5\text{kg}}{20\text{m}} = 0.125\text{kg m}^{-1}$$

$$\text{Velocity, } v = \sqrt{\frac{T}{\mu}} = \sqrt{\frac{200\text{N}}{0.125\text{kg m}^{-1}}} = 40\text{ms}^{-1}$$

Time taken by disturbance to reach the other end,

$$t = \frac{L}{v} = \frac{20\text{m}}{40\text{ms}^{-1}} = 0.5\text{s}$$

3. (a)

**Sol.**  $y = 5 \sin \frac{\pi}{2} (100t - x)$

$$y = A \sin(\omega t - kx)$$

$$\therefore \omega = \frac{2\pi}{T} = \frac{\pi}{2} \times 100$$

$$\text{Or } T = \frac{2}{50} = 0.04\text{s}$$

4. (a)

**Sol.**  $y_1 = a \sin(\omega t + kx + 0.57)$

$$\therefore \text{Phase, } \phi_1 = (\omega t + kx + 0.57)$$

$$y_2 = a \cos(\omega t + kx) = a \sin(\omega t + kx + \frac{\pi}{2})$$

$$\therefore \text{Phase, } \phi_2 = \omega t + kx + \frac{\pi}{2}$$

$$\text{Phase difference, } \Delta\phi = \phi_2 - \phi_1$$

$$= (\omega t + kx + \frac{\pi}{2}) - (\omega t + kx + 0.57)$$

$$= \frac{\pi}{2} - 0.57 = 1.57 - 0.57 = 1\text{radian}$$

5. (d)

**Sol.** The equations of a given progressive wave is

$$y = 5 \sin (100\pi t - 0.4\pi x) \quad \dots (i)$$

The standard equations of a progressive wave is

$$y = a \sin (\omega t - kx) \quad \dots (ii)$$

Comparing (i) and (ii), we get

$$a = 5\text{m}, \omega = 100\pi\text{rads}^{-1}, k = 0.4\pi\text{m}^{-1}$$

(1) Amplitude of the wave,  $a = 5\text{m}$

(2) Wavelength of the wave,

$$\lambda = \frac{2\pi}{k} = \frac{2\pi}{0.4\pi} = 5\text{m}$$

(3) Frequency of the wave,

$$\nu = \frac{\omega}{2\pi} = \frac{100\pi}{2\pi} = 50\text{Hz}$$

(4) Velocity of the wave,

$$v = \nu\lambda = (50\text{s}^{-1})(5\text{m}) = 250\text{ms}^{-1}$$

6. (a)

**Sol.**  $\frac{v}{\lambda_1} - \frac{v}{\lambda_2} = 4 \Rightarrow v \left( \frac{1.01-1}{1 \times 1.01} \right) = 4 \Rightarrow v = 404\text{m/s}$

7. (a)

**Sol.**  $v = 320\text{m/s} \Rightarrow$  For fundamental note

$$f = \frac{v}{4\ell} = \frac{320}{4 \times 1} = 80\text{Hz}$$

8. (d)

**Sol.** As sound is mechanical wave

9. (c)

**Sol.**

$$\Delta x = 40\text{cm}$$

$$\Delta\phi = 1.6\pi$$

$$V = 330\text{m/s}$$

$$n = ?$$

$$V = n\lambda$$

$$n = \frac{V}{\lambda} = \frac{330}{1/2}$$

$$n = 660\text{Hz}$$

$$\Delta\phi = \frac{2\pi}{\lambda} \Delta x$$

$$\lambda = \frac{2\pi}{\Delta\phi} \times \Delta x$$

$$= \frac{2\pi}{1.6\pi} \times \frac{40}{100}$$

$$\lambda = \frac{8}{16} = \frac{1}{2}\text{m}$$

10. (b)

**Sol.** Resonance position depends on length of air column

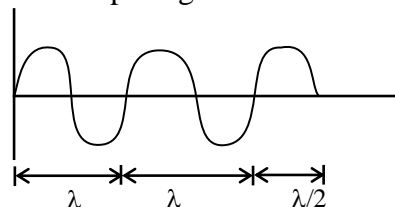


11. (b)

**Sol.** As the sound waves are mechanical waves they requires medium for propagation.

12. (c)

**Sol.** As per fig.



$$\lambda + \lambda + \lambda/2 = 20 \text{ cm}$$

$$\text{or } \frac{5\lambda}{2} = 20$$

$$\therefore \lambda = 8 \text{ cm} = 0.08 \text{ m}$$

$$\therefore v = n\lambda$$

$$\therefore 320 = n (0.08)$$

$$\therefore n = \frac{320}{0.08} = 4000 \text{ Hz}$$

13. (b)

**Sol.** Frequency of wave will not change

$$v = n\lambda$$

$$n \rightarrow \text{const.}$$

$$v \propto \lambda$$

$$\frac{v_{\text{air}}}{v_{\text{glass}}} = \frac{\lambda_{\text{air}}}{\lambda_{\text{glass}}} = \frac{330}{5400} = \frac{\lambda_{\text{air}}}{90}$$

14. (b)

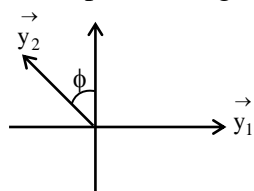
**Sol.** Relation between phase difference and path difference

$$\Delta \phi = \frac{2\pi}{\lambda} \Delta x$$

$$y_1 = a_1 \sin(\omega t - kx)$$

$$y_2 = a_2 \cos(\omega t - kx + \phi)$$

From phasor diagram :-



$$\Delta \phi = \left( \frac{\pi}{2} + \phi \right)$$

$$\Delta x = \frac{\Delta \phi}{2\pi} \times \lambda$$

$$= \frac{1}{2\pi} \left( \frac{\pi}{2} + \phi \right) \lambda$$

15. (c)

$$\text{Sol. } n - \frac{1}{2(0.5)} \sqrt{\frac{T}{m}} = 4 \text{ or } \frac{1}{2(0.5)} \sqrt{\frac{T}{m}} = n - 4 \dots (1)$$

if length is shortened by 1 cm.

$$\frac{1}{2(0.49)} \sqrt{\frac{T}{m}} - n = 4 \text{ or } \frac{1}{2(0.49)} \sqrt{\frac{T}{m}} = n + 4 \dots (2)$$

Divide (1) and (2)

$$\frac{49}{50} = \frac{n-4}{n+4}$$

$$\therefore 49n + 196 = 50n - 200$$

$$n = 396 \text{ Hz}$$

16. (b)

**Sol.** If I<sup>st</sup> resonance occurs at  $\frac{\lambda}{4} = 20$

next will be at  $\frac{3\lambda}{4} = 3 \times 20 = 60 \text{ cm}$

17. (b)

**Sol.** For open organ pipe

$$v_1 = \frac{2v}{2\ell_1} = \frac{v}{\ell_1}$$

for closed organ pipe

$$v_0 = \frac{v}{4\ell_2}$$

$$v_1 - v_0 = 5 \text{ Hz} \Rightarrow \frac{v}{\ell_1} - \frac{v}{4\ell_2} = 5 \text{ Hz}$$

$$\Rightarrow \ell_1 = 98.5 \text{ cm}$$

$$\text{or } v_0 - v_1 = 5 \text{ Hz} \Rightarrow \frac{v}{4\ell_2} - \frac{v}{\ell_1} = 5 \text{ Hz}$$

$$\Rightarrow \ell_1 = 101.5 \text{ cm}$$

18. (b)

$$\text{Sol. } \frac{I_{\text{max}}}{I_{\text{min}}} = \frac{(a_1 + a_2)^2}{(a_1 - a_2)^2}$$

19. (b)

$$\text{Sol. } \frac{v_s}{v_{\text{rms}}} = \sqrt{\frac{\gamma}{3}} \quad \therefore v_{\text{rms}}^2 = \frac{3}{\gamma} \times v_s$$

20. (a)

$$\text{Sol. } \phi = \frac{\pi}{2} \quad \therefore \cos \theta = \sin [\pi/2 + \theta]$$

21. (c)

**Sol.** For natural frequency of string

$$v_n \propto \frac{1}{L}$$

$$\Rightarrow \frac{v_A}{v_B} = \frac{97}{96} \quad \dots (i)$$

$$\text{Also, } v_A - v_B = 4 \quad \dots (ii)$$



$\therefore$  Beat frequency = 4

From (i) and (ii),

$$v_A = 388, v_B = 384$$

22. (c)

**Sol.** Particle which vibrate in opposite phase having different velocity but having same speed.

23. (d)

**Sol.** In consecutive compressions and rarefactions there is no transfer of heat.

24. (c)

**Sol.** Resultant amplitude

$$= \sqrt{3^2 + 4^2} = \sqrt{9 + 16} = 5\text{cm}$$

25. (d)

**Sol.** The basic requirement for a wave functions to represent a travelling wave is that for all values of  $x$  and  $t$  wave functions must have a finite value.

Out of the given functions for  $y$  no one satisfied this conditions. Therefore none can represent a travelling wave.

26. (a)

**Sol.** The given equations of a stationary wave is

$$y = 5 \sin \frac{2\pi}{3} x \cos 40\pi t \quad \dots(i)$$

The standard equations of a stationary wave is

$$y = 2a \sin kx \cos \omega t \quad \dots(ii)$$

Comparing (i) and (ii), we get

$$k = \frac{2\pi}{3}$$

$$\text{Or } \frac{2\pi}{3} = \frac{2\pi}{\lambda} \text{ or } \lambda = 3\text{cm}$$

Separations between two adjacent nodes is

$$\frac{\lambda}{2} = \frac{3}{2} = 1.5\text{cm}$$

27. (b)

**Sol.** Since the two waves are identical, they have same amplitudes.

The amplitude of the resultant wave is

$$A = 2a \cos \frac{\phi}{2}$$

$$\text{Here, } a = 10 \text{ mm, } \phi = 120^\circ$$

$$A = 2 (10 \text{ mm}) \cos \frac{120^\circ}{2}$$

$$= 2 \times 10 \times \frac{1}{2} \text{ mm} = 10\text{mm}$$

28. (b)

**Sol.** Here,  $\lambda_A = 100 \text{ mm} = 0.10\text{m}$

$$\lambda_B = 0.25\text{m}$$

$$v_A = 80\text{cms}^{-1} = 0.80\text{ms}^{-1}$$

As the frequency of the wave remains same in the two media.

$$\therefore v = \frac{v_A}{\lambda_B} = \frac{v_B}{\lambda_B}$$

$$\therefore v_B = \frac{\lambda_B}{\lambda_A} \times v_A = \frac{0.25}{0.10} \times 0.80$$

$$\Rightarrow v_B = 2\text{ms}^{-1}$$

29. (c)

**Sol.** Speed of sound in air is

$$v = \sqrt{\frac{\lambda RT}{M}}$$

Where  $T$  is the absolute temperature.

Since  $\gamma$  and  $M$  are constant.

$$\therefore v \propto \sqrt{T}$$

$$\Rightarrow \frac{v_t}{v_0} = \sqrt{\frac{273+t}{273}}$$

$$\frac{3v_0}{v_0} = \sqrt{\frac{273+t}{273}}$$

Squaring both sides, we get

$$9 = \frac{273+t}{273} \text{ or } 2457 = 273+t \text{ or } t = 2184^\circ\text{C}$$



30. (a)

**Sol.** Velocity of the sound in gas

$$v = \sqrt{\frac{\gamma RT}{M}}$$

Where the symbols have their usual meanings.  
All the given gases are diatomic and are at same temperature,

$$\therefore v \propto \frac{1}{\sqrt{M}}$$

31. (c)

**Sol.** Here,  $v_{\text{air}} = 350 \text{ ms}^{-1}$ ,  $v_{\text{brass}} = 3500 \text{ ms}^{-1}$

When a sound wave goes from one medium to another medium, its frequency ( $\nu$ ) remains the same.

$$\text{Frequency, } \nu = \frac{\text{Velocity}}{\text{Wavelength}} = \frac{v}{\lambda}$$

Since  $\nu$  remains the same in both the media, so

$$\frac{v_{\text{air}}}{\lambda_{\text{air}}} = \frac{v_{\text{brass}}}{\lambda_{\text{brass}}}$$

$$\text{Or } \lambda_{\text{brass}} = \lambda_{\text{air}} \times \frac{v_{\text{brass}}}{v_{\text{air}}} = \lambda_{\text{air}} \times \frac{3500}{350} = 10\lambda_{\text{air}}$$

32. (b)

**Sol.**  $y_1 = a \sin(kx - \omega t)$

$$y_2 = a \sin(kx + \omega t)$$

According to the principle of superposition, the resultant wave is

$$y = y_1 + y_2$$

$$= a \sin(kx - \omega t) + a \sin(kx + \omega t)$$

Using trigonometric identity

$$\sin(A + B) + \sin(A - B) = 2 \sin A \cos B$$

We get  $y = 2a \sin kx \cos \omega t$

33. (b)

**Sol.** Here,

Speed of sound,  $v = 330 \text{ ms}^{-1}$

Length of pipe,

$$L = 30 \text{ cm} = 30 \times 10^{-2} \text{ m}$$

In an open pipe (open at both ends), the frequency of its  $n^{\text{th}}$  harmonic is

$$v_n = \frac{n v}{2L} \text{ where } n = 1, 2, 3, \dots$$

$$\therefore n = \frac{2L v_n}{v}$$

Let  $n^{\text{th}}$  harmonic of open pipe resonate with 1.1 kHz Source.

$$\therefore v_n = 1.1 \text{ kHz} = 1.1 \times 10^3 \text{ Hz}$$

$$\therefore n = \frac{2 \times 30 \times 10^{-2} \times 1.1 \times 10^3}{330} = 2$$

34. (b)

**Sol.** Tuning fork of 256 Hz. Will resonate with fork

frequencies  $1 \times 256, 2 \times 256, 3 \times 256$  etc.

256 Hz, 512 Hz, 768 Hz etc.

35. (c)

**Sol.** Here,  $\nu = 100 \text{ kHz} = 100 \times 10^3 \text{ Hz}$

$$= 10^5 \text{ Hz} = 10^5 \text{ s}^{-1}$$

$$v_a = 340 \text{ ms}^{-1}, v_w = 1500 \text{ ms}^{-1}$$

Frequency of both the reflected and transmitted sound remains unchanged.

Wavelength of reflected sound,

$$\lambda_a = \frac{v_a}{\nu} = \frac{340 \text{ m s}^{-1}}{10^5 \text{ s}^{-1}} = 34 \times 10^{-4} \text{ m}$$

$$= 3.4 \times 10^{-3} \text{ m} = 3.4 \text{ mm}$$

Wavelength of transmitted sound,

$$\lambda_w = \frac{v_w}{\nu} = \frac{1500 \text{ m s}^{-1}}{10^5 \text{ s}^{-1}} = 15 \times 10^{-3} \text{ m} = 15 \text{ mm}$$

36. (b)

**Sol.** When the string vibrates in loops  $n$ , its frequency is

$$v_n = \frac{n v}{2L}$$

Where  $L$  is the length of the string and  $v$  is the velocity of the wave.

$\therefore$  When the string fixed at its both ends vibrates in 1 loop, 2 loop, 3 loops and 4 loops, the frequencies are in the ratio  $1 : 2 : 3 : 4$ .



37. (d)

**Sol.** End correction =  $\frac{L_2 - 3L_1}{2}$

$$= \frac{101.8 - 3 \times 33.4}{2}$$

$$= \frac{1.6}{2} = 0.8 \text{ cm}$$

Speed of sound

$$v = 2\nu(L_2 - L_1)$$

$$= 2 \times 256 \times (1.018 - 0.334)$$

$$= 2 \times 256 \times 0.684 = 350.2 \text{ ms}^{-1}$$

38. (b)

**Sol.** At the node the pressure change is maximum while the displacement is minimum.

39. (c)

**Sol.** An organ pipe of length L open at both ends vibrates with frequencies given by

$$\nu_n = \frac{n\nu}{2L} \text{ where } n = 1, 2, 3, 4, \dots$$

The fundamental frequency corresponds to n = 1 and is given by

$$\nu_1 = \frac{\nu}{2L}$$

In an open pipe all harmonics are present

40. (c)

**Sol.** Let L be length of pipe

Fundamental frequency of closed pipe is

$$\nu_c = \frac{\nu}{4L} \quad \dots \quad \text{(i)}$$

Where  $\nu$  is the speed of sound in air.

Fundamental frequency of open pipe of same length is

$$\nu_o = \frac{\nu}{2L} \quad \dots \quad \text{(ii)}$$

Divide (ii) by (i), we get

$$\frac{\nu_o}{\nu_c} = 2$$

Or  $\nu_o = 2\nu_c = 2\nu$

41. (d)

**Sol.** In case of a travelling wave, the reflections at a rigid boundary will take place with a phase reversal or with a phase change of  $\pi$  or  $180^\circ$ .

42. (d)

**Sol.** The end in contact with water is a node while the open end is an antinode.



In the present case, tube is in seventh harmonic.

43. (d)

**Sol.** The phenomenon of beats can take place for both longitudinal and transverse waves.

44. (d)

**Sol.** When an observer moves towards a stationary source, the apparent frequency heard by the observer is

$$\nu' = \nu_0 \left( \frac{\nu + \nu_o}{\nu} \right)$$

Where

$\nu_0$  = Frequency of the source

$\nu_o$  = Velocity of the observer

$\nu$  = velocity of the sound

$$\therefore \nu' = \nu_0 \left( \frac{\nu + \frac{\nu}{5}}{\nu} \right) = \frac{6\nu_0}{5}$$

Percentage change in apparent frequency

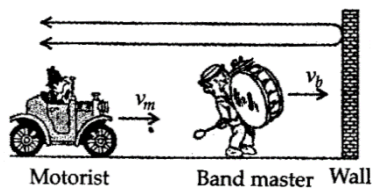
$$= \frac{\nu' - \nu_0}{\nu_0} \times 100$$

$$= \frac{\left( \frac{6\nu_0}{5} - \nu_0 \right)}{\nu_0} \times 100 = \frac{1}{5} \times 100 = 20\%$$



45. (c)

**Sol.** The motorist receives two sound waves :  
direct one and that reflected from the wall.



For direction sound waves,

$$\nu' = \frac{v + v_m}{v + v_b} \nu$$

For reflected sound waves,

Frequency of sound wave reflected from the wall

$$\nu'' = \frac{v}{v - v_b} \times \nu$$

Frequency of the reflected waves as received by the moving motorist

$$\nu''' = \frac{v + v_m}{v} \times \nu'' = \frac{v + v_m}{v - v_b} \times \nu$$

$\therefore$  Beat frequency =  $\nu''' - \nu'$

$$= \frac{v + v_m}{v - v_b} \times \frac{v + v_m}{v + v_b} \nu = \frac{2v_b(v + v_m)}{v^2 - v_b^2} \nu$$



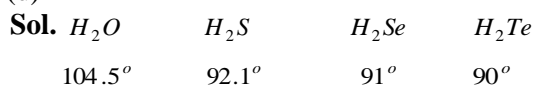
# SAFE HANDS & IIT-ian's PACE

## BPT # 05 (NEET) SOLUTIONS

46. (c)



47. (d)

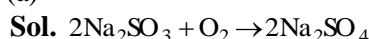


As we go down the group electronegativity decreases due to which repulsion between bonded pairs of electron also decreases. Hence, bond angle decreases.

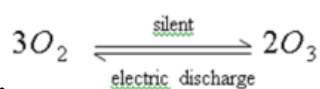
48. (a)

**Sol.** Paramagnetism because of two unpaired electrons in the antibonding molecular orbitals.

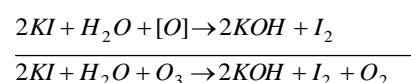
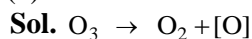
49. (a)



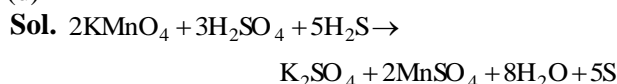
50. (c)



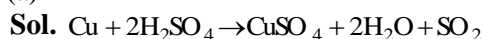
51. (b)



52. (d)



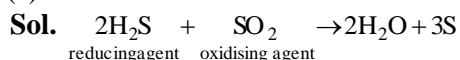
53. (a)



54. (a)

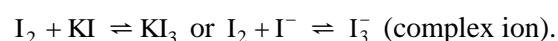
**Sol.** The minimum and maximum oxidation number of S are -2 and +6 respectively. Since the oxidation number of S in  $SO_2$  is +4, therefore it can be either increased or decreased. Therefore  $SO_2$  behaves both as an oxidising as well as reducing agent.

55. (a)

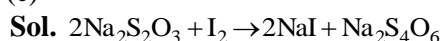


56. (d)

**Sol.** Iodine has the least affinity for water and is only slightly soluble in it. However, it dissolves in 10% aq. solution of KI due to the formation of a complex ion i.e.  $I_3^-$ .



57. (c)



58. (a)



A more electronegative halogen can displace less electronegative halogen.

59. (a)

**Sol.**  $HI$  is the strongest reducing agent among halogen acids because of lowest bond dissociation energy.

60. (a)

**Sol.** Due to H-Bonding free ions are not present in aq. solution. Hence, bad conductor.

61. (c)

**Sol.** Electronegativity of  $I_2$  is less than  $Br_2$ . Therefore unable to displace bromine.

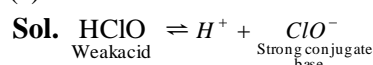
62. (b)

**Sol.** Carnallite is  $KCl \cdot MgCl_2 \cdot 6H_2O$ . The mother liquor left after crystallisation of KCl from carnallite contains about 0.25% of bromine as  $MgBr_2$  and KBr.

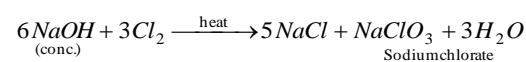
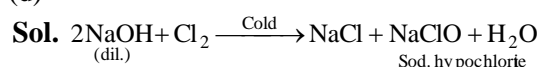
63. (a)

**Sol.** HF is liquid because of intermolecular H-Bonding.

64. (a)



65. (d)



66. (d)

**Sol.** All the noble gases are monoatomic, colourless and odourless gases. Their monoatomic nature is due to the stable outer configuration  $ns^2np^6$  of their atoms. As a result, they do not enter into chemical combination even amongst themselves.

67. (b)

**Sol.** An oxygen-helium mixture is used for artificial respiration in deep sea diving instead of air because nitrogen present in air dissolves in blood under high pressure when a sea diver goes into deep sea. When he comes to the surface, nitrogen bubbles out of the blood due to decrease in pressure, causing pains. This disease is called "bends".



# SAFE HANDS & IIT-ian's PACE

## BPT # 05 (NEET) SOLUTIONS

68. (c)

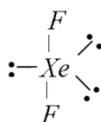
**Sol.**  $XeF_2$ ,  $XeOF_2$ ,  $XeF_4$ ,  $XeOF_4$ ,  $XeF_6$ ,  $XeO_3$ .

69. (b)

**Sol.**  $HeF_4$  does not exist.

70. (d)

**Sol.**  $XeF_2$  has  $sp^3d$  hybridization with linear shape.

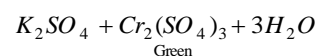


71. (c)

**Sol.** Sodium oxalate react with conc.  $H_2SO_4$  to form CO and  $CO_2$  gas.

72. (d)

**Sol.**  $K_2Cr_2O_7 + H_2SO_4 + 3SO_2 \rightarrow$



73. (a)

**Sol.**  $SO_2 + 2Mg \rightarrow 2MgO + S$

74. (c)

**Sol.**  $H_2SO_3 + 2NaOH \rightarrow Na_2SO_3 + 2H_2O$

Sodium sulphite

75. (b)

**Sol.**  $6KOH + 3Cl_2 \rightarrow 5KCl + KClO_3 + 3H_2O$ .

76. (a)

**Sol.** HF is the weakest acid. Since it is unable to give  $H^+$  ions which are trapped in H-Bonding.

77. (b)

**Sol.**

Hydride – HF HCl HBr HI

B.pt (in K) – 293 189 206 238

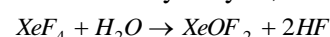
Because of having low b.p. HCl is more volatile.

78. (a)

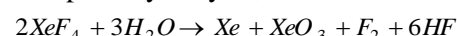
**Sol.**  $2KClO_3 + I_2 \rightarrow 2KIO_3 + Cl_2$

79. (b)

**Sol.** Partial hydrolysis;



Complete hydrolysis;



80. (a)

**Sol.**  $OF_2$  is called as oxygen fluoride

81. (a)

**Sol.** As boiling point decreases volatility increases.

82. (a)

**Sol.** Due to small size He does not form clathrate

83. (a)

**Sol.** Because highest difference in electronegativity the dipole moment of HF is the highest.

84. (a)

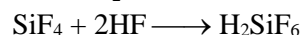
**Sol.** Because of the greater difference in electronegativity the bond dissociation enthalpy of HF is the highest.

85. (d)

**Sol.** The general formula of the inter halogen compounds are AX,  $AX_3$ ,  $AX_5$  &  $AX_7$

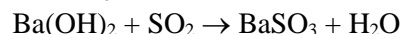
86. (b)

**Sol.**  $SiO_2 + 4HF \rightarrow SiF_4 + 2H_2O$  ;

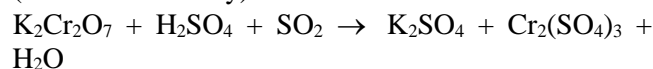


87. (c)

**Sol.**  $SO_3^{2-} + 2H^+ \rightarrow H_2O + SO_2$



(Insoluble turbidity)



88. (d)

**Sol.** s-block & p-block elements collectively comprise the

representative elements. The valence shell electronic

configuration of halogen is  $ns^2 np^5$  and the last electron

enters in p-subshell. Thus, halogens belongs to p-block elements.

89. (a)

**Sol.** HF has highest boiling point on account of intermolecular hydrogen bonding. But from HCl to HI the boiling point show a regular increase due to a corresponding increase in the magnitude of van der Waal's force of attraction as the size of the halogen increases.

90. (b)

**Sol.** The X-X bond disassociation enthalpies from chlorine onwards show the expected trend :  $Cl - Cl > Br - Br > F - F > I - I$ . The reason for the smaller enthalpy of dissociation of  $F_2$  is the relatively larger electrons-electrons repulsion among the lone pairs in  $F_2$  molecule where they are much closer to each other than in case of  $Cl_2$ .





# SAFE HANDS & IIT-ian's PACE

## BPT # 05 (NEET) SOLUTIONS

---

### BIOLOGY ANS KEY.

Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.
91	C	109	C	127	C	145	B	163	A
92	C	110	D	128	B	146	D	164	A
93	A	111	C	129	C	147	B	165	B
94	C	112	C	130	A	148	A	166	B
95	A	113	D	131	D	149	A	167	B
96	D	114	B	132	B	150	A	168	D
97	C	115	A	133	A	151	C	169	A
98	A	116	B	134	A	152	B	170	A
99	A	117	A	135	D	153	A	171	A
100	B	118	C	136	C	154	C	172	D
101	B	119	C	137	C	155	C	173	C
102	D	120	D	138	A	156	B	174	A
103	B	121	D	139	C	157	C	175	C
104	A	122	A	140	D	158	C	176	A
105	B	123	C	141	A	159	D	177	C
106	D	124	C	142	D	160	C	178	B
107	C	125	A	143	D	161	A	179	B
108	A	126	B	144	D	162	D	180	C