

## NURTURE TEST SERIES

Test Type : **MOCK TEST**

Test Pattern : **NEET (UG)**

### ANSWER KEY

Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A.	3	2	2	3	1	3	1	2	1	4	3	2	4	2	3	2	3	3	3	2	4	1	2	3	4	2	4	2	2	2
Q.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
A.	2	3	2	3	2	1	4	1	2	1	2	4	2	2	2	2	1	1	3	3	4	2	1	4	4	4	1	4	1	2
Q.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
A.	3	1	1	1	1	3	2	3	2	3	2	2	4	1	4	2	3	3	1	1	4	3	3	3	3	4	3	4	1	1
Q.	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
A.	3	4	2	2	4	3	4	2	2	3	4	1	2	2	4	2	2	3	1	2	3	2	4	2	1	2	2	4	2	1
Q.	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
A.	2	1	3	4	4	1	3	1	2	2	1	3	1	3	3	2	4	2	2	4	4	3	3	3	1	1	4	4	1	1
Q.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
A.	4	1	1	2	4	1	1	4	1	3	3	1	4	3	2	3	2	2	4	2	2	1	2	4	3	3	4	2	1	4

### HINT - SHEET

1. **Ans (3)**

$$[Z] = [xP] = [G]$$

$$[Z] = [x] [ML^{-1}T^{-2}] = [M^{-1}L^3T^{-2}]$$

$$[Z] = [M^{-1}L^3T^{-2}]$$

$$[x] = [M^{-2}L^4T^0]$$

2. **Ans (2)**

$$U = \frac{a}{x^2} - \frac{b}{x}$$

$$\left[ \frac{a}{x^2} \right] = \left[ \frac{b}{x} \right]$$

$$\left[ \frac{a}{b} \right] = [x] = [L]$$

3. **Ans (2)**

Main scale reading = 3.4 cm

L.C. = 0.01 cm

Vernier coincidence = 6

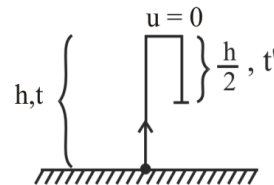
Reading = 3.4 + 6 × 0.01 = 3.46 cm

Corrected reading = Reading - zero error

$$= 3.46 - (-0.03) = 3.49 \text{ cm}$$

4. **Ans (3)**

$$t = \sqrt{\frac{2h}{g}}$$



$$t' = \sqrt{\frac{2 \cdot \frac{h}{2}}{g}}$$

$$t' = \sqrt{\frac{h}{g}} = \frac{t}{\sqrt{2}}$$

$$\text{Total time} = t + t' = t + \frac{t}{\sqrt{2}}$$

$$= t \left( 1 + \frac{1}{\sqrt{2}} \right)$$

5. **Ans (1)**

$$\vec{V}_A = V_A \hat{i}$$

$$\vec{V}_B = V_B \cos \theta \hat{i} + V_B \sin \theta \hat{j}$$

$$\vec{V}_{\text{rel}} = (V_B \cos \theta - V_A) \hat{i} + V_B \sin \theta \hat{j}$$

$$V_B \cos \theta - V_A = 0$$

$$\frac{V_A}{V_B} = \cos \theta$$

6. **Ans (3)**

$$a = \frac{F_x}{m} = \frac{20 \cos 60^\circ}{2} = 5 \text{ms}^{-2}$$

$$S = \frac{1}{2}at^2 = \frac{1}{2}(5)(1)^2 = \frac{5}{2} \text{ m}$$

$$W = Fs \cos\theta = 20 \left(\frac{5}{2}\right) \frac{1}{2} = 25 \text{ J}$$

7. **Ans (1)**

Difference in kinetic energy = Change in potential energy

$$= mgh$$

$$= mg(2r)$$

$$= 2 mgr = 2 \times 1 \times 10 \times 1 = 20 \text{ J.}$$

8. **Ans (2)**

$$F = -\frac{du}{dr} = -\frac{d}{dr} [\alpha r^{-4} - \beta r^{-5}]$$

$$= - [\alpha(-4r^{-5}) - \beta(-5r^{-6})]$$

For equilibrium,  $F = 0$

$$\frac{4\alpha}{r^5} = \frac{5\beta}{r^6}$$

$$\boxed{r = \frac{5\beta}{4\alpha}}$$

9. **Ans (1)**

$$T_3 = (3m)(3r)\omega^2 = 9mr\omega^2$$

$$T_2 - T_3 = (2m)(2r)\omega^2$$

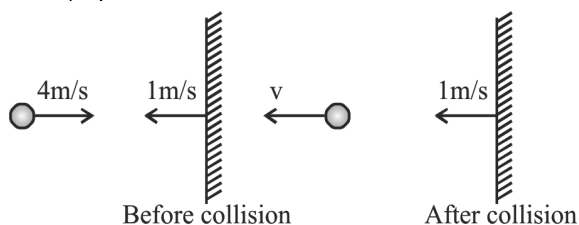
$$T_2 = 13 mr\omega^2$$

$$T_1 - T_2 = mr\omega^2$$

$$T_1 = 14 mr\omega^2$$

$T_1 \Rightarrow$  maximum

10. **Ans (4)**



Let  $v$  be the velocity of ball after collision.

Collision is elastic.

$$\therefore e = 1$$

or relative velocity of separation = relative velocity of approach

$$\therefore v - 1 = 4 + 1$$

or  $v = 6 \text{ m/s}$  (away from the wall)

11. **Ans (3)**

$$mg \ell_2 = 16 g \ell_1 \dots(i)$$

$$mg \ell_1 = 4g \ell_2 \dots(ii)$$

$$\Rightarrow \frac{16}{m} = \frac{m}{4} \Rightarrow m = 8 \text{ kg}$$

12. **Ans (2)**

Angular momentum will be conserved if net torque acting on the system becomes zero.

Given force acting  $\vec{F} = \alpha \hat{i} + 3\hat{j} + 6\hat{k}$  (i)

and  $\vec{r} = 2\hat{i} - 6\hat{j} - 12\hat{k} = -2(-\hat{i} + 3\hat{j} + 6\hat{k})$  (ii)

If torque becomes zero then  $\vec{r} \times \vec{F} = 0$

If  $\alpha = -1$  then,  $\vec{r} \times \vec{F} = 0$

14. **Ans (2)**

$$\Delta \ell = \frac{F \ell}{AY} = \frac{(mg) \ell}{\frac{\pi d^2}{4} \cdot Y}$$

$$= \frac{4 \times 8000 \times 10 \times 3.14}{\pi(0.25)^2 \times 2 \times 10^{11}} = 0.026 \times 10^{-3} \text{ m}$$

$$= 0.026 \text{ mm}$$

15. **Ans (3)**

$$Y = 2\eta(1 + \sigma)$$

$$3.84 \times 10^9 = 2 \times 1.6 \times 10^9(1 + \sigma)$$

$$1 + \sigma = \frac{3.84}{3.20}$$

$$\sigma = 1.2 - 1 = 0.2$$

16. **Ans (2)**

Using Pascal's law

$$P_{\text{atm}} + \rho_{\text{oil}} g(10) = P_{\text{atm}} + \rho_w g(8)$$

$$\rho_{\text{oil}} = \frac{4}{5} \rho_w = 0.8 \text{ g/cm}^3$$

17. **Ans (3)**

$$V_T = \frac{2r^2}{9\eta}(\rho - \sigma)g$$

Here  $r$  and  $\eta$  unchanged

$$\frac{(V_T)_{\text{Gold}}}{(V_T)_{\text{Silver}}} = \frac{(19.5 - 1.5)}{(10.5 - 1.5)} = 2$$

$$(V_T)_{\text{Silver}} = \frac{(V_T)_{\text{Gold}}}{2} = \frac{0.2}{2} = 0.1 \text{ m/s}$$

18. **Ans (3)**

By theory of equation of continuity.

$$AV = \text{constant}$$

$$A \downarrow V \uparrow$$

19. Ans (3)

$$\eta = 1 - \frac{T_2}{T_1}; \quad 1 - \frac{300}{T_1} = 0.4$$

$$T = 500 \text{ K}$$

$$\text{Now, } 1 - \frac{300}{T_1} = \frac{1}{2}$$

$$T_1 = 600 \text{ K}$$

$$\Delta T = 100 \text{ K}$$

20. Ans (2)

$$T_1 V_1^{\frac{5}{3}-1} = T_2 V_2^{\frac{5}{3}-1}$$

$$(300) V_1^{2/3} = T_2 \left( \frac{8}{27} V_1 \right)^{2/3}$$

$$\Rightarrow T_2 = 675 \text{ K}$$

$$\text{Increase in temp.} = 675 - 300$$

$$= 375 \text{ K or } 375^\circ\text{C}$$

21. Ans (4)

$$\frac{dU}{dQ} = \frac{nC_V dT}{nC_P dT} = \frac{C_V}{C_P} = \frac{1}{\gamma}$$

$$\text{for diatomic gas } \gamma = \frac{7}{5}$$

$$\text{so } \frac{dU}{dQ} = \frac{5}{7}$$

22. Ans (1)

$$(V_{\text{RMS}})_{\text{O}_2} = (V_{\text{RMS}})_{\text{N}_2}$$

$$\sqrt{\frac{3RT_{\text{O}_2}}{M_{\text{O}_2}}} = \sqrt{\frac{3RT_{\text{N}_2}}{M_{\text{N}_2}}}$$

$$\frac{T_{\text{O}_2}}{32} = \frac{280}{28} = 10$$

$$T_{\text{O}_2} = 320 \text{ K}$$

23. Ans (2)

At constant pressure

$$\frac{\Delta T}{T} \times 100 = \frac{\Delta V}{V} \times 100$$

$$2.5 = \frac{10}{V} \times 100$$

$$V = 400 \text{ m}^3$$

24. Ans (3)

$$K_{\text{eq}} = \frac{K_1 + K_2}{2} = \frac{K + 2K}{2} = \frac{3K}{2}$$

25. Ans (4)

$$\text{Let, } T = 2\pi \sqrt{\frac{\ell}{g}}$$

Let, V be the volume of the mass

$V \times \rho \times g$  is acting downwards

$V \times \frac{\rho}{8} \times g$  is acting upwards

Inside the liquid, the effective force downwards

$$= V \rho g \times \frac{7}{8}, \text{ i.e., effective } g \text{ is } \frac{7}{8} g$$

$$\therefore T' = 2\pi \sqrt{\frac{\ell}{(7/8)g}}$$

$$\text{or } T' = 2\pi \sqrt{\frac{8\ell}{7g}} = \sqrt{\frac{8}{7}} T$$

26. Ans (2)

$$x = A \sin(\omega t + \phi)$$

$$A = 0.1 \text{ m}, \phi = \frac{\pi}{4}$$

$$\text{K. E.} = \frac{1}{2} m \omega^2 A^2$$

$$8 \times 10^{-3} = \frac{1}{2} \times 0.1 \times \omega^2 \times \frac{1}{100}$$

$$\omega^2 = 16$$

$$\omega = 4 \text{ rad/s}$$

$$x = 0.1 \sin\left(4t + \frac{\pi}{4}\right)$$

27. Ans (4)

$$x = A \sin\left(\frac{2\pi}{16} \times 2\right) = \frac{A}{\sqrt{2}}$$

$$4 = \omega \sqrt{A^2 - x^2}$$

$$\Rightarrow A = \frac{32\sqrt{2}}{\pi}$$

28. Ans (2)

$$e = \frac{\ell_2 - 3\ell_1}{2}$$

29. Ans (2)

$$\text{for oop } \ell_n = \frac{n\lambda}{2} = 16 \text{ cm} \quad \dots(i)$$

$$\text{and } \ell_{(n+1)} = (n+1) \frac{\lambda}{2} = 46 \text{ cm} \quad \dots(ii)$$

using (i) & (ii)

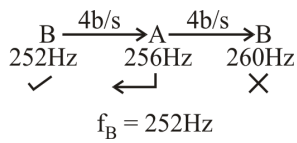
$$\frac{\lambda}{2} = 30 \text{ cm}$$

$$\Rightarrow \lambda = 60 \text{ cm}$$

$$\therefore v = n\lambda = 500 \times 60 \times 10^{-2}$$

$$= 300 \text{ m/s}$$

30. Ans (2)



31. Ans (2)

$$v = \sqrt{\frac{\text{Stress}}{\text{density}}}$$

32. Ans (3)

We know that  $\frac{dA}{dt} = \frac{L}{2m}$  ( $L \rightarrow$  angular momentum)

$$L = mr^2\omega$$

$$\frac{dA}{dt} = \frac{mr^2\omega}{2m}$$

$$\frac{dA}{dt} = \frac{r^2\omega}{2}$$

$$\frac{dA}{dt} \propto \omega r^2$$

33. Ans (2)

$v = 0$  and  $a \neq 0$  [turning point]

$\vec{v} = \text{constant}$  then  $v = \text{constant}$

But  $v = \text{const.}$  then  $\vec{v}$  may be const. [direction change]

34. Ans (3)

Let  $\vec{P}$  is a vector  $\perp$  to both  $\vec{A}$  and  $\vec{B}$

$$\vec{P} = \vec{A} \times \vec{B}$$

$$= (2\hat{i} + \hat{j} + \hat{k}) \times (\hat{i} + \hat{j} + \hat{k})$$

$$\vec{P} = \hat{k} - \hat{j}$$

$$\text{Unit vector along } \vec{P} = \frac{\vec{P}}{|\vec{P}|} = \frac{\hat{k} - \hat{j}}{\sqrt{2}}$$

35. Ans (2)

Let time of journey is  $t$

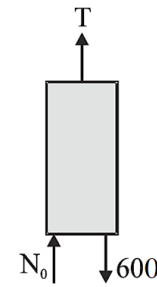
$$\text{average velocity} = \frac{8}{t} \text{ m/sec}$$

$$\text{average speed} = \frac{10}{t} \text{ m/sec}$$

$$\text{ratio of average velocity to average speed is} = \frac{8/t}{10/t} = \frac{4}{5}$$

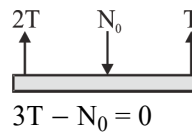
36. Ans (1)

Man :



$$T + N_0 - 600 = 0$$

Plank :



$$3T - N_0 = 0$$

37. Ans (4)

$$N = mg \cos \theta$$

$$f = mg \sin \theta$$

$$f_{\text{net}} = \sqrt{N^2 + f^2} = mg = 30 \text{ N}$$

38. Ans (1)

$$\frac{mg}{n} = \mu N = \mu \left( mg - \frac{mg}{n} \right)$$

$$\frac{1}{n} = \frac{1}{4} \left( 1 - \frac{1}{n} \right) \Rightarrow 4 = n - 1$$

$$\Rightarrow n = 5$$

maximum length of the chain that can hang over

one edge of the table is  $\frac{L}{5}$

39. Ans (2)

Mass of man =  $m$

Mass of block =  $M$

$$m(L - X) + M(-X) = 0$$

$$\frac{L - X}{X} = \frac{M}{m}$$

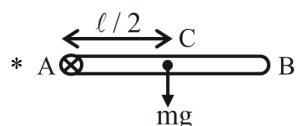
40. Ans (1)

$$\text{MI of given ring} = \frac{MR^2}{2}$$

$$\text{Where } \pi R = L \Rightarrow R = \frac{L}{\pi}$$

$$\text{So, } I = \frac{ML^2}{2\pi^2}$$

41. Ans (2)



$$\tau_H = I_H \alpha \Rightarrow mg \times \frac{l}{2} = \frac{ml^2}{3} \times \alpha$$

$$\Rightarrow \alpha = \frac{3g}{2l} \text{ (same for all points)}$$

$$\text{* Acceleration of C : } a_C = \alpha r = \frac{3g}{2l} \times \frac{l}{2} = \frac{3g}{4}$$

$$\text{Acceleration of B : } a_B = \alpha r = \frac{3g}{2l} \times l = \frac{3g}{2}$$

42. Ans (4)

$$\gamma_{\text{mono}} = 1 + \frac{2}{3} = \frac{5}{3} = 1.66$$

$$\gamma_{\text{di}} = 1 + \frac{2}{5} = \frac{7}{5} = 1.4$$

$$f_{\text{mono}} = 3, f_{\text{dia}} = 5$$

43. Ans (2)

$$\gamma_L = \gamma_{\text{app.}} + \gamma_{\text{vessel}}$$

$$\gamma_L \Rightarrow \text{same}$$

$$(\gamma_L)_S = (\gamma_L)_C$$

$$S + 3x = C + 3A$$

$$x = \frac{C + 3A - S}{3}$$

44. Ans (2)

$$n \propto \frac{1}{l} \Rightarrow \frac{n_1}{n_2} = \frac{l_2}{l_1}$$

$$\Rightarrow \frac{n+4}{n-4} = \frac{100}{95}$$

45. Ans (2)

$$T = \frac{2\pi R}{v}$$

$$\frac{GMm}{R^n} = \frac{mv^2}{R}$$

$$\text{or } v = \left[ \frac{GM}{R^{n-1}} \right]^{1/2}$$

$$\therefore T = \frac{2\pi R}{\sqrt{GM/R^{n-1}}} = \frac{2\pi}{\sqrt{GM}} \times R^{(n+1)/2}$$

$$\therefore T \propto R^{(n+1)/2}$$

46. Ans (2)

(a)  $20 \rightarrow {}_{18}[\text{Ar}] 4s^2$  - s-block

(b)  $29 \rightarrow {}_{18}[\text{Ar}] 3d^{10} 4s^1$  → d-block

(c)  $33 - {}_{18}[\text{Ar}] 3d^{10} 4s^2 4p^3$  - p-block

(d)  $66 - {}_{54}[\text{Xe}] 4f^{10} 6s^2$  - f-block

47. Ans (1)

across the period radius ↓

48. Ans (1)

After losing 1  $e^-$  attain  $ns^2$  stable configuration

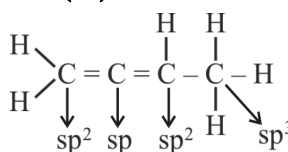
49. Ans (3)

$O_2^+$  contain 1 unpaired  $e^-$

50. Ans (3)

$SO_2$  -  $sp^2$  hybridisation having 1 L.P. on 'S'.

51. Ans (4)



54. Ans (4)

Heat is path function.

56. Ans (4)

'O' have min value of  $\Delta_{eg}H$  in its group

57. Ans (1)

Isobars ⇒ Mass no. same

Isotopes ⇒ Atomic no. same

Isotones ⇒ no. of neutrons same

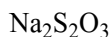
Isodiaphers ⇒  $(n - p)$  same

58. Ans (4)

$$W = -2.303 nRT \log V_2/V_1$$

59. Ans (1)

Let O. N. of S is x

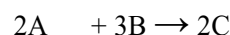


$$+2 + 2x + 3(-2) = 0$$

$$2x = 4$$

$$x = +2$$

60. Ans (2)



4mol      12 mol

A is LR

2 mole of A gives 2 mol of C

4 mol of A gives 4 mol of C

61. Ans (3)

For WAWB salt :

$$K_h = \frac{K_w}{K_a \times K_b}$$

62. Ans (1)

Combustion and neutralisation reactions are exothermic in nature.



63. Ans (1)

$$K_p = \frac{P_{PCl_3} \times P_{Cl_2}}{P_{PCl_5}} = \frac{4 \times 4}{2} = 8 \text{ atm}$$

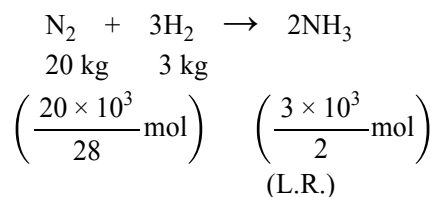
$$K_C = \frac{K_p}{(RT)^{\Delta n_g}} = \frac{8}{(0.0821 \times 300)^1} = \frac{8}{24} = \frac{1}{3}$$

64. Ans (1)

Stability of alkene  $\propto$  No. of  $\alpha$ -C-H bond.

$\therefore$  Ans. is (1)

65. Ans (1)



$\therefore$  3 mol of  $H_2$  produces  $NH_3 = 2$  mol

$\therefore 1.5 \times 10^3$  mol  $H_2$  will produce

$$NH_3 = \frac{2}{3} \times 1.5 \times 10^3$$

$$= 10^3 \text{ mol}$$

$$= 17 \times 10^3 \text{ g}$$

66. Ans (3)

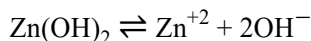
$$n = 1, 2 \dots \infty$$

$$l = 0 \text{ to } n - 1$$

$$m = -l \text{ to } +l \text{ (including zero)}$$

$$s = +\frac{1}{2} \text{ or } -\frac{1}{2}$$

67. Ans (2)



$$K_{sp} = [Zn^{+2}][OH^-]^2$$

$$10^{-12} = 10^{-2} \times [OH^-]^2$$

$$10^{-10} = [OH^-]^2$$

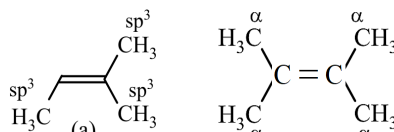
$$10^{-5} = [OH^-]$$

$$pOH = 5$$

$$pH = 14 - 5 = 9$$

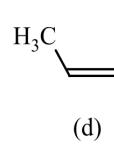
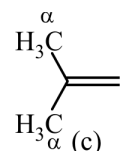
68. Ans (3)

Alpha hydrogen is a hydrogen attached to the  $sp^3$  carbon that is adjacent to carbocation free radical and  $C=C$ .



$$\alpha-C-H=9$$

$$\alpha-C-H=12$$

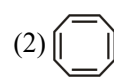
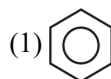


$$\alpha-C-H=6$$

$$\alpha-C-H=3$$

$$\therefore \alpha-H = (b) > (a) > (c) > (d)$$

69. Ans (2)

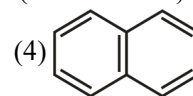
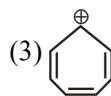


Planar

Tub shape  
Planar

( $6\pi e^-$  aromatic)

(non-planar)  
(non aromatic)



Planar

Planar

( $6\pi e^-$  aromatic)

( $10\pi e^-$  aromatic)

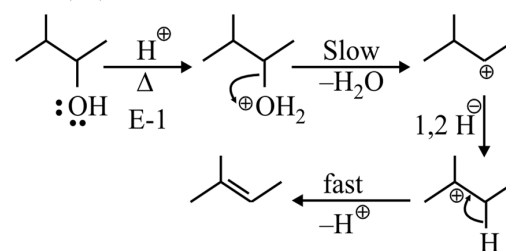
$\therefore$  Ans. (2)

70. Ans (3)

Fact

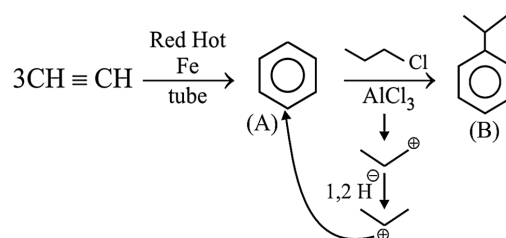
Ans. (3)

71. Ans (2)



$\therefore$  Ans. is (2)

72. Ans (2)



$\therefore$  Ans. is (2)


73. **Ans (4)**

Fact.


Ans. is (4)

74. **Ans (1)**

(1)  $\text{Ph}-\overset{\oplus}{\text{C}}\text{H}-\text{Ph}$  (2-Ph resonance)

(2)  Anti aromatic (less stable)

(3)  $\text{Ph}-\overset{\oplus}{\text{C}}\text{H}-\text{CH}_3$  (1 ph-Resonance and 1  $\text{CH}_3$  higher conjugation)

(4)  ( $2\pi e^-$  Resonance +  $2\alpha-\text{C}-\text{H}$ )

∴ Over all (1) is more stable

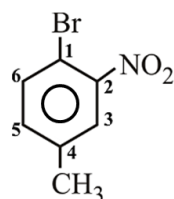
∴ Ans. (1)

75. **Ans (4)**

Fact

Ans. (4)

76. **Ans (2)**



1-Bromo-4-methyl-2-nitro benzene

∴ Ans. is (2)

77. **Ans (3)**

Fact

Ans. is (3)

78. **Ans (3)**

$\text{He} = 1s^2$  - max I.E. in P.T.

82. **Ans (3)**

due to absence of vacant d orbital

83. **Ans (3)**

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84. **Ans (3)**

$$w = -P_{\text{ext}} (V_2 - V_1)$$

$$= -1 (10 - 5) \times 101.3 \text{ J}$$

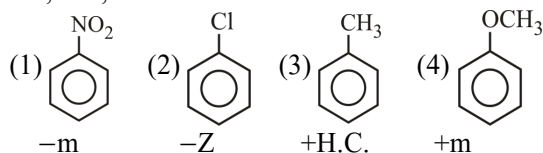
$$\approx -505 \text{ J}$$

85. **Ans (3)**

Oxidation number of all the components of an alloy are zero.

86. **Ans (4)**

reactive towards electrophilic attach  $\alpha + m, +Z, +H, -m, -Z.$



electron density = (4) > (3) > (2) > (1)

∴ Ans. is (4)

87. **Ans (3)**

$$\text{Total } [\text{H}^+] = [\text{H}^+]_{\text{SA}} + [\text{H}^+]_{\text{H}_2\text{O}}$$

$$= 2 \times 10^{-8} + 10^{-7}$$

$$= 2 \times 10^{-8} + 10 \times 10^{-8}$$

$$= 10^{-8} (2 + 10)$$

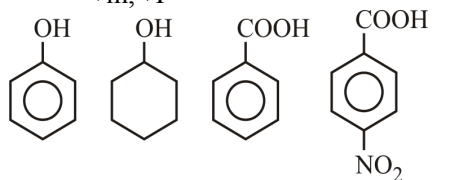
$$[\text{H}^+] = 12 \times 10^{-8}$$

$$\text{pH} = 8 - \log 12 = 6.92$$

88. **Ans (4)**

$$K_a = -\text{COOH} > \text{Ph}-\text{OH} > \text{R}-\text{OH}$$

$$K_a \propto \frac{-m, -I}{+m, +I}$$



(a) Phenol (b) Aliphatic alcohol (c) Benzoic acid (d) 4-nitrobenzoic acid

∴  $K_a = d > c > a > b$

89. **Ans (1)**

Fact

∴ Ans. (1)

90. **Ans (1)**

fact

Ans. is (1)

91. **Ans (3)**

NCERT XI, Pg # 6

92. **Ans (4)**

NCERT XI, Pg # 13

94. **Ans (2)**

NCERT-XI, Pg.# 90,91

95. **Ans (4)**

NCERT XI Page # 27,28

97. **Ans (4)**  
NCERT Pg # 17,18
98. **Ans (2)**  
NCERT Pg. # 138
99. **Ans (2)**  
NCERT Pg. # 141
101. **Ans (4)**  
NCERT Pg. # 134, 147, 150
102. **Ans (1)**  
NCERT, Pg # 160
104. **Ans (2)**  
NCERT Page No. 241
105. **Ans (4)**  
NCERT-XI, Page No. 249
106. **Ans (2)**  
NCERT, Pg # 100,101
116. **Ans (2)**  
NCERT-XI, Pg. # 74
117. **Ans (2)**  
Module
121. **Ans (2)**  
NCERT-XI, Pg. # 106
123. **Ans (3)**  
NCERT XI Pg. # 14
125. **Ans (4)**  
NCERT pg. # 32
126. **Ans (1)**  
NCERT-XI, Pg. # 33, Fig, 3.4 (C)
127. **Ans (3)**  
NCERT-XII Pg # 33
128. **Ans (1)**  
NCERT-XI, Pg. # 150
129. **Ans (2)**  
NCERT, Pg. # 234
130. **Ans (2)**  
NCERT XI Pg # 175
131. **Ans (1)**  
NCERT XI Pg. No. # 95,97,98,100
132. **Ans (3)**  
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133. **Ans (1)**  
NCERT-XI, Pg # 127
135. **Ans (3)**  
NCERT-XI Page No. # 118
136. **Ans (2)**  
NCERT Pg # 38
141. **Ans (4)**  
NCERT XI Pg. # 103
151. **Ans (4)**  
Module
152. **Ans (1)**  
Module
154. **Ans (2)**  
NCERT, Pg. # 108, 114, 117
155. **Ans (4)**  
NCERT Pg. # 116 (E), 118 (H)
159. **Ans (1)**  
NCERT XI Pg. # 195-196
168. **Ans (2)**  
NCERT XI Page No. # 59
171. **Ans (2)**  
NCERT (XI) Pg # 284
172. **Ans (1)**  
NCERT Pg. # 284-285
174. **Ans (4)**  
NCERT Page # 210-211
178. **Ans (2)**  
NCERT Page No. 338