

**PRACTICE PAPER 8 – SOLUTIONS**

**PART –I (PHYSICS)**

**SECTION I**

1.(c) 2.(a) 3.(a) 4.(a) 5.(d) 6.(b) 7.(b) 8.(c) 9.(c)

**SECTION II**

10.(c) and (d) 11.(a) and (c) 12.(b) and (d) 13.(a),(b),(c) and (d) 14.(a) and (c)

15.(a) and (c) 16.(b) and (c) 17.(a) and (c)

**SECTION III**

18.(d) 19.(c) 20.(a) 21.(c)

**SECTION IV**

22.(c) 23.(b) 24.(d) 25.(c) 26.(c) 27.(b)

**SECTION V**

28. [0 0 4 5] 29. [0 0 0 5] 30. [4 9 0 0] 31. [0 7 0 0]

**SECTION VI**

32. (A)→(Q),(B)→(R),(C)→(S),(D)→(P) 33. (A)→(Q),(B)→(S),(C)→(P),(D)→(R)

34. (A)→(Q),(B)→(P),(C)→(S),(D)→(Q)

**PART –II (CHEMISTRY)**

**SECTION I**

35. (c) 36.(d) 37.(a) 38.(a) 39.(b) 40.(b) 41.(c) 42.(c) 43.(a)

**SECTION II**

44.(c) and (d) 45.(a) and (b) 46.(a) and (b) 47.(a),(b) and(c) 48.(a),(b) and (d)

49.(a) and (c) 50.(a) and (b) 51.(a),(b) and (c)

**SECTION III**

52.(a) 53.(d) 54.(d) 55.(a)

**SECTION IV**

56.(b) 57.(a) 58.(a) 59.(b) 60.(a) 61.(a)

**SECTION V**

62. [0 0 2 7] 63. -2091.32KJ 64. [0 0 0 1] 65.  $1.12 \times 10^{-3} \text{L mol}^{-1} \text{s}^{-1}$

**SECTION VI**

66. A → Q and S, B → P and S, C → P, R and S, D → P, S

67. A → Q, B → R, C → S, D → P 68. A → S, B → R, C → P, D → Q

**PART -III (MATHEMATICS)**

**SECTION I**

69.(b) 70.(b) 71.(b) 72.(c) 73.(a) 74.(a) 75.(c) 76.(c) 77.(b)

**SECTION II**

78.(a),(c) 79.(b),(c) 80.(a),(c) 81.(a),(b),(c) 82.(b),(c)

83.(a),(d) 84.(a),(b),(d) 85.(b),(c)

**SECTION III**

86.(c) 87.(c) 88.(c) 89.(a)

**SECTION IV**

90.(a) 91.(b) 92.(b) 93.(c) 94.(a) 95.(d)

**SECTION V**

96. [0 0 0 2] 97. [0 0 0 2] 98. [0 0 0 5] 99. [0 0 0 2]

**SECTION VI**

100. (A) → (Q), (B) → (R), (C) → (P) 101. (A) → (P), (Q), (R), (B) → (P), (R), (C) → (P), (R), (D) → (P), (S)

102. (A) → (R), (B) → (S), (C) → (Q), (D) → (P)