

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)