| · · · · · · · · · · · · · · · · · · ·   | AQP 2015  |
|---|---|
|   |   |
|   | Q.1 (a) 5 m; = 9000 quanto number mz (1)  |
|   | Max w2 getra wax 2 Ci)  |
|   | Man m 5 Ju to section priciple = 5/2 + 3/2 + 1/2 + (-1/2) = 8/4   |
|   | ⇒ Mo, 3 = 4 127   |
|   | (i) Due to certifold barrier V (1) = [(41) the Incention of the Incention |
|   | only 1:0 para wave reader  scatterer is low enorgy limit. [2]  k: vicident and  |
| amerikkin v dele erkent kur elestensillê is B. Velik<br>Velik is dele erkent is beste e | OR ii) Ronge of scatterny vector O < ok < 2/k; 1 []   |
| llerated at the Partle of the Schwarz - Provide Schwarz   | It ska << 1 phase of all scutturgs []]  water patricial are the range (0)   |
| )   | = all scattering is phase irrespective &  |
|   | with potential are the rame (0)  = all seathering is phase ilrespective of the director of origing name - irotropic requirer R; a <<1 - low orange [27]   |
|   | (c)  T   1   Man 5 = 1   []   |
|   | F O Mon L (grun S) = 1 []  F -1 > 1/2 fell J. L+S = 2 []  |
| 1   | 3 P 2 7 3   |
| J   |   |







