(16aid - Say 14) Balch # 349 LM15 - 31256 Q 6 QC- Answer Given Data Good * 2. Groups of Boys and Girls Each group consists of Boys = 4 Girls (= 6 Girls available for such grouping = 102 Required: Boys available such grouping? grouping Solution: lotal 71 mberl Girls each gre Boyst 4+6= 0 Go it means the total 10 members in G we will find the total Now of grow number the from ven Since 102 girls are available so total groups number= 102 = 6 total So it means num ber groups

Now Boys wrequired for it 4 + 17 = 6 Hence 68 boys are required for 17 groups. Answer (d): 26 Given Data ages of A and B= 6:7 Rapo of Present 6:7 After 5 years ages Fatio = 7:8 Required Data Present ages of A and TB= 2 So lution Let Present age of A = 6x Present age of B = 7 gx -Now according to the given = 7: 8 6x+5: 7x+5 Solving 6×+5 = 7,8 72+5 (7xt5)z 8(6x+5) = -48x+ \$10 --495+35

40-35 = 49x - 48x 5 = 16 or x = 5 Ξ Mow putting the value, in eq. () and (i) 6,50 A= $A = \frac{6+3}{1}$ 30 an d B = 7 x 3 7+5= Hence present ages are 30 and 35 B = 35.

Section - II Q6 AnsWER Given Data Ans (a) 3. Gardidates A Received = 15000 votes Recieved = 10000 votes C Recieved = 8000 votes Required Percentage of total votes of winning Candidates = ? Solution Lets find the percentage of Candidate A: Formula According to the formula given Percentage = Candidate A jou-votes + Total votes Total votes = Notes of A + Votes, of B + votes of C = 15000 + 8000 = 30000 Now putting the values in the equip we get Cardidate (A) = 15000 Percentage

Hence percentage of of Capitale A = Vote, of pricestage ndin Now f = B-votes +100 B - Parcentage Total votes 10000 + 100 50000 30.3 - (b) B-Percentage= Now finding Percentage of votes of C- Candidate. C-Percentage = C-votes +100 Total votes 8000 + 100 000 _ (() C - Percentage= 24.4