Work on math portion Attempt other questions too Theore portion Given Data. ROTHER is written as Q.D. J.SNOR then SISTER be coded as? 5014 Ics Will Find the of SISTER by We Code Observing the native Pattern in 10 been which the word BROTHER has coded. So Write complete logic The BROTHER has been coded in q reversed order as B is Followed By A m its diagnon position, the same is the case with E and rest of the all words. Now 5

2 Q8(b). Given Derta: A box contain D cards. Find Probabildy of 8 D. Jan even number (ii) 40 a perfect squade (i) a negative number () a number les tham 13: SJ Probability 0 No of events 407al semplespace 8 D an even number. NUN nomber - 2, 4, 6, 8, 10, 12 exon. total even number -50 A Pefect Square. = 2, 4, C 9 total 2

B a negative number. (d) SOL nomber. negative So there no 15 Scenario would boot thear ٥ E 13. nomber less than. a a nombo less them New Probabilite 0 wir be 13. 12 1 12 Given Dada 12cm. Ison -Perimeter. and Find total axea 3. 1 . 50 the these In Zive Figure d one Squar an ave two triangle 12 cm Square 1 . ;

4 We all Sides 2 Knine that all 9. waxe equal are 200 1200 12cm 12cm Area = ·12 ×12im 144 cm Non whole will the shape beam 15cm 12 12 traingle out expel Non 1500 12 have use we to Find Base To Py tha govas theory (B (月) -(P) putting value

3 (B) = (15) -112)2 (15)2- (12). Gi 225-144 B 81 md . B diggram the put this value in Vor 12 Se 15 12 12 ŧ gxb. friangle. Area 01 54 12 × 9 2 K of A = 54cm2 Area Non the 4 cm 9cm Sylaxe Z. g gem. '4' 1 Area = 9×9 cm = 81 cm Now 0.

total area of the figure 144 cm² + 54 cm² + 81 cm² 27gent Now perimeter = som 2, all sides 2 the figure. = 12+12+12+15+9+9+9+9. Reximiction = \$8(d) Given Data: Nine Students = 15, 15, 16, 16, 16, 17, 17, 18, 19 calculate: Mean, Mode, Medium, and range. Sol Mean: Definition The terms years basically implies the som of all numbers divide by the total numbers. It is some times Called Average. the above number Now the mean of will be: 15+15+16+16+16+17+17+18+19 149 14.55 Mean

Medium: Medium is basically middle mir value of nombers In the given question. Medium = 15, 15, 16, 16, 16 , 17, 17, 18,19 Medium = 16 lode. Mode is the most repr or occuring vertue in the list. In the given Questin Mode = 15, 15, 16, 16, 16, 17, 17, 18, 19 So the most repeated Value -Kange . Range is basically maximum Partu difference re bly alue Value minimum In the given question Range = Maximum Value - Musimici Verlie 19

1 8 @7(9) Given Data: Hall capacity = yoo seat. Occupted seats = 325: Find: Attendence at a percent z capacity SUL au ul be Now alloudence at 9 percent seats occupied XIO deprine total seed Poppus looish x100 elom usty -400 Mush 81.2 luggy-Idan humi Bult -sto chiest Jos 97(6). Given Data ... Scenario 1: Person=30 nxv. Sugar = 40kg. days = 10. stynes anin Semanio 2: Person = 80. He Eut, P Sugar = 320 kg. days =

9 ean solve this with the Non we atio help days. Sugar Persons 10 kg. T to 320 kg X 80 Now this Convert nito eg patrici Form 39 6 \$6 0 3 10 30 50 30 days will be required For 80 of Sugar persons Use 320 kg

10 Q.7(C). given Date: the rave) to south = skm. west = 3 km North = Ykin. South- East = Zicm: Fuid: How Fax is the Grow From Until Points ? we can Sol the diagram make N Hatin W. -2 By applying Conditions D Sicm YEm 5 3km ed 3km 2Km F. 2 km 210 1km 2km A . 5 F E

(1) by using perthergoras theorem. $(H)^{2} = (B)^{2} + (P)^{2}$ $(H)^{2} = (3)^{2} + (2)^{2}$ 0,3 - 9+4 CH -(H) = 13 the crow So by t he Fax From the initial ponit distance of malty JIZ alty () 7 (d). odish Given deta. Radius = 10 cm. [Snap Height = 36 cm. Volum = > Mah SUL Mun Volume & cylinder o the 1 1 73 es Fort putting value 4x3.14x (10 cm 36 12.56× 1000 36. 125600 30 Jolume = 88.