Page No: Section -B Very good for math portion **Correct answers** Increase length of theory portion Nob Also add more headings (a) Data **Draw diagrams** Paper presentation is fine value = 8748 Dresent decrease every year = 10%. Solution : let consider the machine value 2 years 05 ago As x. in the mentioned gjuesti 10% decsease every year. x # 10% n = 8748 91 = 10'n = 87748 100,0 = 8748 1 7 D ON #X 8748 10 8748 X10 9 87480 95 9720 n = 9720, year before Present value. one year for find 2 Now ago. - 9720 10/2 2 4 102 = 9720 n -100

State: Page na n - <u>M</u> = 9730 10x-x = 9720 × 10 9x = 97200 M= 97200 . 9 [x= 10800] 10800, it was the price 2 years ago. Now, find for 3 years ago. n- no 10% = 10800 x-162 = 10800 . 100 102-2 = 10800 10 9x = 10800 × 10 n = 108000 9 x= 12,000 12,000 the Drice of washing machine was 3 years ago. UT. 65 -

0616 let the age of Daughter is n. of father 4 fimes more that daughter - 4n age After 5 years, father is three times older 3(n+5) 42 +5 41+5 = 31+15 34 = 15-6 After Age of Daughter 71 = 10) 5 years of Patho - 4n Patra = 4(10) father = 40 years 5 years of daughter = 10+5 daughter = 15 years father = 40+5 father = 45 years <u>us</u> 15 = 3 fimes of his daughter be times So, He would R.F.

Date: Page No: N06 (C) Data Diameter Radiu = 6 cm 120 2 2 Solution Va 4 TA 3 T 3 (216) 4 1 3 904 V Ξ football is 904.77 cm3 80, the of Volume they NO 6 Fach pentagon is 281m-pentagon has side of sides. 5 281 2 281-28/m 281 m 291+281+281+ 817281 -1405m 2 pentagon building is 1405m. Derimeter 80, Romy Shakh Teacher's Sig.

Date: Page No: NO7/a Average of 7-consecutive no: is 20. tef minimum number is re the n+ (n+1) + (n+2) + (n+2) + (n+4) + (n+5) + (n+6) = 20 72+21 = 20 7 = 20x7 77 +21 71-140-21 74 19 N=17 -> smallest number number the largest for , Find 146 - Largart Number Number. 17+6 = longest Number 23 - Largert is the largest number 80, 23 Any NO7(6) Data not the brother of C. A's cousin but D 4 ephew A' father 3 C i b/w Ofc? relation What olution nephew mean (is A's father e is the cousin Shakh Teacher's Sig:

Date: Page Na the but of A Hat also cousin ů D butter 07 L sister in the An NO7(1) 28.39 28 previous addition Have in is every m missing mumber. the Ar IN07 (d Date : A, B, C and D with dishibated No. Stored 5:2:4: antio Cas Jete mane than D, what Rs 100 Share? 83 Lak 5+2+4+3 14 dilla between C and D The noto Shakh Teacher's Sig:

Date: _ Page no: than 1000 ks more and C gets it means one is 1 in Rs. 1000 share So, it D. Dant of A= 5 x 1000 Share Chane of A = 5000 Share of B = 2x 1000 F. A. of B = 2000 Share Share of Co 4 x 1000 of C = 1000 Share Share of 3 × 1000 C = 3000 D Show 0 is Rs. 2000/ .. So, Share B of Are. Shald Teacher's Sig:

Date: Page No: Nos(a) Black Hole: An object of an extreme density and strong granitational pull even light cannot escape from it: Formation of Black Hole from Stass: There is a between between e and gravity of star. Internal gravity both one opposite. If balance is changed then Aternal proxime and pressure maintained His collapse s Internal pressure + gravity reaction is standown. Therefore, internal a result, star merged evenue derrease. In in small agen and its daughty increases. Then density preveases then gravitational funce also increases that is its attracts When object : the Teacher's Sig: Shald

Date: Page No: _ NO3 (6) Cyclone: A tropical storm with winds blowing in large spinal. Cyclones are formed It is the warm, muistaair Nises when the ocean Aus air moves over Ward p. there is a foromation of low-pressure ea in internal side. Now, the Low-pressure need is filled with the high-prossure air from sourcodings. As a secult, cyclone p. there is uea area are med. water vap the occo to formed cloud Sea warm nafer This creat internally low-pressure area. After exection if low-pressure are air filled that area that creats cyclone Stall Teacher's Sig:

Date: Page No: oods: Warmin loba aft eit globa warming As climate the increasingly more sains come segult, every 9 polding example, caused. for. loools 2022, killed lac in 10-15 animals and in the 20001 almost floods are secondeg due voild global Nalming to Q Rivers. low Ver ng freas near have a 85 during Nis high an overflow. In law 2022 th people migrated mon an River rom lues because near Rivers over 3 Snow-melt: Much the spring fin streamflow accountable is in uvers melti Snow ice. these When heavy ON Diec Platin, floading will most likely our. Kain fall: (4) Heavy to It due Can ocem Shakh Teacher's Sig:

Date: Page No: example, A topica, conditions. weather on various huicanes into transform can which cyclones, rain that amount of large produce and cause flooding. Gases: House Gueen Emission (5) burning Lafor The is depleting the Dollation fussil fuel and the increasing layer and level Ozore becomin a house Gases, Green Level oodi - made man major cause Fs the Sun: inside ner The Due the inside Sun produced is en is reaction The seartio usion to 1 m together nulei mergeo when two done sun 2 In nuelei. As, havier 10 orm together mulei an merged drogen then én this muler helin produced. is ene Helium. H+H > Teacher's Sig: Shakh

Date: Page No: Jesponsible gravit for Sun Factor These gravity responsible two factors that are and distance. The gravity mars ase; of Sun it is higher than is 274m/52 Sun is its max large very the carth because earth. than Wind: olar It is stream a the upper energy Particles released Sun Revewable is the of the particles thes charged Steams ion Solid Waste Hanagement. Æ 0 into Sea: wate be taken shall id 30 sufficien in fly barge away from 15-30 lem the almost coast ang dumpeo there. It possible only in usta areas not an Nino meni Sanitary (2) deep trench is A solid excavate wate Laid into Shakh Teacher's Sig:

Date: Page No: Cayers. and Layers and with comparted mechanical equipment some corace and with eacth, leveled comparted. ana 3 Use of Energy Combustor: Solia was burned waste without recovering energy acceptable temperature . It is exceeds the electros tatic percipitatos used for particular control. emission 0 Composting: Samitary land It is similar filling popular in developing States. Its and fectilizer good Product tor 0 Fermentation: Waste convert into compost. In fermentation, secgle the possible. It convert compost then into methog of Composting he nostly 24 used. is for piologi ca digestion. NO4 CC Nater Pollution: auses Ø ation - water Detution: oner Cutting down the Shakt Teacher's Sig:

Date: Page No: and concreting over large areas generates acceleration of flows which does not enough time for water to infittuate give enough sime and be trees by ground. @ Aquiculture - Water Pollution. Agriculture has an impart on water pollution due to use of chemicals, such as fectilizers, fungicides and insertisides, etc. 3 Sewage and Wastewate - Water pollution Inadequate sewage collection and freatement are sources pollution According to UN, more water the worldwide than 80% water water goes back being heater în the environment without ar used @ Maine Damping = adates pollution. Everyday, garbage desposed into sea these hundreds of , they are take weeks of years decompose. Receptore, they of water pollation alto major cause pollation Industries - wath Pollution: Industry produce a (5) lot of waster containing to xic clienicals and polletant. A huge amount of Industrial waste is Shakh Teacher's Sig:

Dates Page no: the presh water Therefore, it is also water pollution. drained in 4 cause 0 N04 (d Bond: Coveland which is formes bong A the between mutual shawing elec of roms atom. Shutwe Water molecule: at Julan Due to repulsions pain Pair. lone one Water Coverand bond comation 01 molecule. H shell octet must For the stability be ok complete Bond Coveland For the stability, Drygen and hydrogen sharing letrons with each other and stille their position. electrons with Teacher's Sig: Shakh

Date: Page No: N04 (a) COP-26. (SToa) of O Reduce house ugent need gases: It gueen globe of 0 Convert towards Clean Energy: 3 Climate Affecties. Funds 0 Reduce Ceal U.age COP-27 oals G 0 Green 0 House 61 3030. Reco pertent of gaser affecties. to Provide Support 0 aid an Coal usage. Ø en 1001 by 1.5°. temperature O Decreak Shalth Teacher's Sig: