

From satthi@hotmail.com Sat Sep 12 21:11:49 1998 Date: Sun, 06 Sep 1998 09:52:12 PDT From: satish kandanuru To: vsr@ece, anju\_ksr@mailcity.com Subject: hai..anju hai anji , yesterday my self & pran sent infosys paper which is not clear. now i am sending original & complete paper

MARKS: 50

I. ROHITH CAN CATCH EITHER THE HARBOUR LINE TRAIN OR MAIN LINE TRAIN FROM HIS NEAREST RAILWAY STATION KANDALA TO REACH HIS OFFICE. BOTH THE TRAINS HAVE A FREQUENCY OF 10 min. IN THE MORNING OFFICE HOURS. THE HARBOUR LINE TRAINS ARRIVE EVERY 10min. STARTING FROM 5:00a.m. AND THE MAIN LINE TRAINS ARRIVE AT EVERY 10min. STARTING FROM 5:02a.m

II. IN A CERTAIN DEPARTMENT STORE THE POSITION OF BUYER, CASHIER, CLERK, FLOORWALKER, & MANAGER ARE HELD, THOUGH NOT NECESSARILY RESPECTIVELY, BY MS THE CASHIER & THE MANAGER WERE ROOMMATES IN COLLEGE. THE BUYER IS BACHELOR, EVANS & MISS AMES HAVE ONLY BUSINESS CONTACTS WITH EACH OTHER MRS CONROY WAS GREATLY DISAPPOINTED WHEN HER HUSBAND TOLD HER THAT THE MANAGER HAD REFUSED TO GIVE HIM A RAISE. DAVIS IS GOING TO BE THE BEST MAN WHEN THE CLERK & THE CASHIER ARE MARRIED. WHAT POSITION DOES EACH PERSON HOLD?

III. TANVEER AND KUNAL WENT DOWN A DESCENDING ESCALATOR. THE ESCALATOR WAS GOING DOWN AT A CONSTANT SPEED. KUNAL WALKED DOWN THE STEPS AND HAD TO COVER 50 STEPS TO REACH THE BOTTOM. TANVEER ON THE OTHER HAND, RAN DOWN THE STEPS OF THE ESCALATOR AND HENCE HAD TO TAKE 75 STEPS TO REACH THE BOTTOM. ACTUALLY, TANVEER TOOK 3 STEPS IN THE SAME TIME IT TOOK KUNAL TO TAKE 1 STEP. HOW MANY STEPS WOULD BE visible when the escalator is stopped and not operating?

Iv. In A four team foot-ball tournament, all the teams played each other in three rounds of matches are shown in the table -A. Some of the results of the tournament are shown in the table -B. Using the clues given below, please fill in the blank columns in the result table-B (goals for & goals against?). Note: two points for win, one point for draw & zero points for defeat are awarded.

CLUES: 1. EAST ZONE WON THE TOURNAMENT DESPITE SCORING ONE LESS GOAL THAN THE RUNNERS-UP.

2. NORTH ZONE SCORED AN ODD NUMBER OF GOALS IN THEIR FIRST ROUND GAME

3. SOUTH ZONE, WHO FAILED TO SCORE IN THEIR FINAL MATCH, WERE BEATEN BY A TWO-GOAL MARGIN IN THE FIRST ROUND.

4. EAST ZONE LOST THEIR MATCH AGAINST WEST ZONE.

5. ALL FOUR TEAMS SCORED GOALS IN THE SECOND ROUND MATCHES

6. WEST ZONE SCORED THE SAME NUMBER OF GOALS AGAINST EAST ZONE AS NORTH ZONE SCORED AGAINST THEM.

7. EAST ZONE SCORED FOUR GOALS IN ROUND TWO MATCH.

Table - A ( MATCHES PLAYED ) ~~~~~

Round 1 North zone vs south zone west zone vs east zone.

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round 2 south zone vs west zone east zone vs north zone

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Round 3 south zone vs east zone west zone vs north zone

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Table - B ( RESULTS ) ~~~~~

Played won draw lost goals for goals against

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\$ East Zone 3 - - - ? 3 4

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North zone 3 - - - ? 2 4

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West zone 3 - - - 4 3 3

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South Zone 3 - - - 2 5 1

~~~~~ V. At six o'clock the wall clock struck 6 times . Checking with my watch , I noticed that the time between the first & last strokes was 30 seconds . How long will the clock take to stike 12 at mid night (Ans 66 seconds) VI. PLESE ANSWER THE Q'S WITH REFERENCE TO THE FACTS GIVEN BELOW ( 8 MARKS ) 1 . THE MEMBERS OF A CERTAIN TRIBE ARE DIVIDED INTO THREE CASTES -ABHOR , DRAVID , & MAGAR CASTES 2. AN ABHOR WOMEN CANNOT MARRY A DRAVID MAN 3. A MAGAR MAN CANNOT MARRY A DRAVID WOMEN. 4. A SON TAKES THE CASTE OF HIS FATHER , A DAUGHTER TAKES THE CASTE OF HER MOTHER . 5. ALL MARRIAGES EXCEPT THOSE MENTIOND ABOVE ARE PERMITTED 6 . THERE ARE NO CHILDREN BORN OUT OF WED LOCK. Q'S 1) AN ABHOR WOMAN MARRIES AND HAS THREE CHILDREN , ALL OF WHOM ARE MEMBER\$ I) IF SHE WERE TO BE MARRIED to a magar MAN , THEY HAVE NO MALES\$ II) IF SHE WERE TO BE MARRIED TO ABHOR MAN ,THEY MAY HAVE MALE CHI\$ III) IF HER FOURTH CHILD IS MALE , HE MAY BE A DRAVID,. A) I ONLY B) III ONLY C) I & II ONLY D) II & III ONLY E) I , II & III 2) IT CAN BE INFERRED FROM THE CONDITION DESCRIBED THAT A MAGAR MAN I) CANNOT HAVE A DRAVID GRAND MOTHER II) CANNOT HAVE A DRAVID MOTHER III ) MAY HAVE A ABHOR MOTHER A) I ONLY B) II ONLY C) I & II ONLY D) II & III ONLY E) I , II & III 3) WHEN TWO DRAVIDS ARE MARRIED , IT IS IMPOSSIBLE FOR THEM TO HAVE I) ANY FEMALE ABHOR DESCENDENTS II ) AN ABHOR GREAT\_ GRAND DAUGHTER \ III) AN ABHOR GRAND DAUGHTER A)I ONLY B) III ONLY C) I & II ONLY D) II & III ONLY E) I , II & III 4) AN ABHOR WOMAN A)CAN HAVE A DRAVID GRANDSON B) CANNOT HAVE A MAGAR SON C) CANNOT HAVE A MAGAR GRAND SON D) CAN HAVE A MAGAR DAUGHTER -IN - LAW E) CANNOT HAVE A DRAVID GRAND DAUGHTER VII. ( 2 MARKS ) IN CERTAIN COMMUNITY THERE ARE THOUSAND MARRIED COUPLES . TWO THIRDS OF THE HUSBANDS WHO ARE TALLER THAN THEIR WIVES ARE ALSO HEAVIER AND THREE QUARTERS OF THE HUSBANDS WHO ARE HEAVIER THAN THEIR WIVES ARE ALSO TALLER . IF THERE ARE 120 WIVES WHO ARE TALLER AND HEAVIER THAN THEIR HUSBANDS, HOW MANY HUSBANDS ARE TALLER AND HEAVIER THAN THEIR WIVES ? VIII. BOTH THE GUPTHAS AND SINHAS HAVE TWO YOUNG SONS WHOSE AGES ARE ANDER ELEVEN. THE NAMES OF THE BOYS, WHOSE AGES ROUNDEDOFF TO THE NEAREST YEAR ARE ALL DIFFERENT, ARE RAJESH, PRAVEEN,LALITH AND PRATHAP. TAKING THE AGES OF THE AGES OF THE BOYS ONLY TO THE NEAREST YEAR, THE FOLLOWING STATEMENTS ARE TRUE. RAJESH IS THREE YEARS YOUNGER THAN HIS BROTHER IS. PRAVEEN IS THE OLDEST. PRATHAP IS 5YRS OLDER THAN THE YOUNGER SINHAS BOY. LALITH IS HALF AS OLD AS ONE OF THE GUPTHA BOYS. THE TOTAL AGES OF THE BOYS IN EACH FAMILY DIFFER BY THE SAME AMOUNT TODAY AS THEY DID FIVE YEARS AGO. --- 7 MARKS. IX. A LONG DIVISION SUM ---- 7 MARKS xx)xxxxxxxxx(xxxxxxx xx --- xxx xx ---- xxx xx --- xx xx -- xxx xxx ----- in the complete solution there are four 5's. Find the missing digits. X. FOLLOWING SERVICES ARE OPERATED BY ASIAN AIRLINES BETWEEN THE TWO ARE LOCATED IN DIFFERENT COUNTRIES WITH DIFFERENT TIME ZONES. AS IS IS NORMALLY DONE, THE TIME SHOWN IS THE LOCAL TIME- VIZ IST & TST. REGULAR FLIGHT SUPERSONICFLIG ARRIVE ALEXANDRIA 17:10 TST 15:40 TST DEPART " " 20:50 TST 22:50 TST ARRIVE RAMPUR 23:40 IST ? IST THE ARRIVAL TIME OF SUPERSONIC FLIGHT INTO RAMPUR FROM ALEXANDR\$ ARRIVAL TIME OF THE SUPER SONIC FLIGHT ASSUMING EACH SERVICE- REGULAR AND SUPERSONIC MAINTAINS ITS OWN CONSTANT SPEED OF FLIG\$ DON'T ANSWER FOR ALL THE PUZZLES. 8 ARE THE SAFE ONE.

INFOSYS 1997. TIME 1hr. PAPER CODE Q/A. marks 50. -----

---- 1)At 6'o clock clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12'o clock. Ans. 66 sec. 2 marks. 2)Three friends divided some bullets equally. After all of them shot 4 bullets the total no.of remaining bullets is equal to that of one has after division. Find the original number divided. Ans.  $x \times x \times x - 4 \times 4 \times 4 = 3x - 12 = x \times x = 6$  ans is 18 2 marks 3)A ship went on a voyage after 180 miles a plane statrted with 10 times speed that of the ship. Find the distance when they meet from starting point. Ans.  $180 + (x/10) = x \times x = 20$  ans is  $180+20=200$ miles. 2 marks 4) Fill the empty slots. Three FOOTBALL teams are there. Given below the list of maches. played won lost draw Goals for Goals against  
A 2 2 \*0 \*0 \*7 1 B 2 \*0 \*1 1 2 4 C 2 \*0 \*1 \*1 3 7 the slots with stars are answers. 4 marks BC drew with 2-2 A won on B by 2-0 a won on C by 5-1 ( YOU HAVE TO FILL THE BLANKS AT APPROPRIATE

STAR SYMBOLS.) 5) There are 3 societies a,b,c. a lent tractors to b and c as many as they had. After some time b gave as many tractors to a and c as many as they have. After sometime c did the same thing. At the end of this transaction each one of them had 24. Find the tractors each originally had. Ans a had 39, b had 21, c had 12, 4 marks 6) There N stations on a railroad. After adding x stations 46 additional tickets have to be printed. Find N and X. Ans. let  $N(N-1) = t$ ;  $(N+x)(N+x-1) = t+46$ ; trail and error method  $x=2$  and  $N=11$  4 marks 7) Given that April 1 is tuesday. a,b,c are 3 persons told that their farewell party was on a - may 8, thursday b - may 10, tuesday c - june 8, friday Out of a,b,c one is only correct one of the regarding month, day, date. Other told two correct and the third person told all wrong. What is correct date, month, day. 5 marks (ans may be MAY 10 SUNDAY. check once again) 8) There are 4 parties. df, gs, dl (deposit loss), ew ran for a contest. Anup, Sujit, John made the following statements regarding results. Anup said either df or ew will definitely win sujit said he is confident that df will not win John said he is confident that neither ew nor dl will win the result has come. only one of the above three has made a correct statement. Who has made the correct statement and who has won the contest. 5 marks. (ans DL) 9) Five people a,b,c,d,e are related to each other. Four of them make one true statement each as follows. i) b is my father's brother. (ans. d said this) ii) e is my mother-in-law. (b) iii) c is my son-in-law's brother. (e) iv) a is my brother's wife. (c) who said each statement. 10 marks. 10) All members of d are also members of a All ' ' e ' ' d all ' ' c ' ' both a and b not all ' ' a are members of d not all ' ' d ' ' e Some questions on these conditions. (5 questions 5 marks) 11) boys are allowed to watch football at c.v. Raman auditorium subjected to conditions. i) the boy over age 16 can wear overcoat ii) no boy over age 15 can wear cap iii) to watch the football either he has to wear overcoat or cap or both iv) a boy with an umbrella or above 16 or both cannot wear sweater. v) boys must either not watch football or wear sweater. What is the appearance of the boy who is watching football. Try to solve this question..... ok!!!! infosys paper 1997. paper code q/c. -----  
----- 1) be \* be = acb a,b,c,e are non zero numbers find b,e. ans) b=1 e=9 2) a,b,c,d,e are having numerical values. there are some conditions given a)  $a=c \iff b!=e$  b) difference between a and c as same as difference between c and b as same as difference between a and d c) cd then find a,b,c,d,e 3) there are six cards in which it has two king cards. all cards are turned down and two cards are opened a) what is the possibility to get at least one king. b) what is the possibility to get two kings. 4) a person went to a shop and asked for change for 1.15 paise. but he said that he could not only give change for one rupee. but also for 50p, 25p, 10p and 5p. what were the coins he had ans) 1--50 4---10p 1---25p 5) there are 3 nurses and they work altogether only once in a week. no nurse is called to work for 3 consecutive days. nurse 1 is off on tuesday, thursday and sunday. nurse 2 is off on saturday. nurse 3 is off on thursday, sunday. no two nurses are off more than once a week. find the day on which all the 3 nurses were on work. 6) there are 5 persons a,b,c,d,e and each is wearing a block or white cap on his head. a person can see the caps of the remaining 4 but can't see his own cap. a person wearing white says true and who wears block says false. i) a says i see 3 whites and 1 block ii) b says i see 4 blocks iii) e says i see 4 whites iii) c says i see 3 blocks and 1 white. now find the caps wore by a,b,c,d and e 7) there are two women, kavitha and shamili and two males shyam, aravind who are musicians. out of these four one is a pianist, one flutist, violinist and drummer. i) across aravind beats pianist ii) across shyam is not a flutist iii) kavitha's left is a pianist iv) shamili's left is not a drummer v) flutist and drummer are married. 8) 1/3 ed of the contents of a container evaporated on the 1 st day. 3/4 th of the remaining contents of the container evaporated the second day. what part of the contents of the container are left at the end of the second day. 9) a man covered 28 steps in 30 seconds but he decided to move fast and covered 34 steps in 18 seconds. how many steps are there on the escalator when stationary. 10) all fair skinned, rich, handsome, muscular, lean and employed are tall men 1) all lean men are muscular. 2) no fairskinned person who is not rich is handsome. 3) some muscular men are handsome. 4) all handsome are fairskinned. 5) no person who is neither fair skinned nor muscular is employed. 6) we unable to recall this condition and question also incomplete. -----  
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Here are the infosys questions which appeared here., They had five sets of que. papers A,B,C,D,E. This is set A. Others are also of similar type with few modifications. love-kalya. INFOSYS There are 5 q papers with them. this is only one of those. All others were more or less of the same model but different qs. This is just to give U an idea. The questions are not in order. 1) A,B,C,D,E related. 4 of them made these statements each. i) C is my son in law's brother. ii) B is my father's brother. iii) E is my mother in law. iv) A is my brother's wife. who made these statements? (person mentioned is one of A,B,C,D,E) (10 marks). 2) e means belong. All members of E e D. All members of D e A. Not all members of D e E. Not all members of A e D. All members of C e both A and B. some questions are asked about relation. use venn diagram. (5

marks). 3) complete the table. Played won lost draw goals goals for against A 2 2 1 B 2 1 2 4 C 2 3 7 A,B,C are 3 hockey teams.(2 marks). 4) A says Party was held on :Thursday ,May 8th. B says Party was held on :Tuesday,May 10th. C says party was held on :Friday ,June 8th. Given April 1 st was Tuesday.one of A,B,C says 1 correct.one says 1 wrong.and one was completely wrong of date,Month and day. Find the Day the party held. (5marks). 5) A ship is away from the shore by 180 miles.A plane is travelling at 10 times speed of the ship.How long from the shore will they meet? (2marks) 6) Every station in N railroad issue everyother station' s ticket. some stations are added.Now they have to issue 46 more tickets. say the No.of stations after and before added.(5 marks). 7) 3 persons say these statements. A says either Democratic or liberal wins the elections. B says Democratic wins.C says neither democratic nor liberal wins the election.of these only one is wrong.who wins the election? (5 marks). 8) A clock showing 6 o' clock takes 30 secs to strike 6 times.How long will it take to strike 12 at midnight?Ans.66 secs.(2marks) 9) Only boys aged 16 wear coats. Boys aged 15 go to watch football.some more statements are given. What can be said about those who are watching football ? (age and costume) (5 marks). 10) There are 3 societies A,B,C having some tractors each. A Gives B and C as many tractors as they already have. After some days B gives A and C as many tractors as they have. After some days C gives A and B as many tractors as they have. Finally each has 24 tractors.what is the original No.of tractors each had in the beginning? Ans.A -39. B- 21. C- 12.(7 marks). 11) 4,5 statements.From that find the answer.(7 marks). Reference books 1.) Puzzles and teasers by summer' s 2.) Shakuntala Devi(puzzles).