Some Tech qns

1. What is motor is used in ceiling fan & washing m/cs

2. In electric traction

3. wt is 8255

4. 8085 has ____ address and ____ data lines

5. 8051 is a _____ bit microcontroller (ans:8 bit)

6. 74LS244 is _____

7. Bucholz relay is used for _____ protection (trnsfrmr)

8. Transmission line parameters are called _____

9. No. of poles and freq given find speed

10. In which motor starting torque can be incr by adding rotor resistance (IM) there were 4
qns frm Power plants (had to guess in that) 4 qns frm Controls (pretty easy.....like zetaL)
1 means a)underdamped b)undamped c)overdamped d)critically damped

11. qn abt transistor..basic workin

12. boolean expn was given for simplification-simple

13. How many flags does 8085 have? (ans-5)

14. which of the following are universal gates? (ans-nand,nor)

15. whts the frequency range of mobile communication?

16. The resolution of picture in tv depends on..
 a. no: of lines scanned   b. video detector o/p   and 2 more choices were given...

17. Qn on stability of FET

18. Wht is the modulation used to transmit sound in tv signal
 a. VSB
 b. FM   and 2 more choices were there...

19. Wht is double integration of a unit step signal?
 a. ramp signal
 b. parabola

20. It mainly covers Operating system..consists of questions in semaphore(2 questions), job
scheduling algorithms (shortest job),paging (2 or 3 questions),virtual memory,hashing, etc virtual
memory is used for............

21. Rdbms covers "Define Query"(simple but 4 options made some complications)

22. Datastructure : order of randomly serached binary tree

23. Electronics based questions which covers microprocessor 80386(not 8085) 2or 3 questions

24. A pulse is passed through a pipe..to detect any damage..this process is called ....
 a. Time reflectometry
 b. Piggy backing

Aptitude

25. Given a 3x3 matrix, find the minor of one of the elements

26. find the odd one out of the series 48 47 44 40 32 23 12

27. A goes to school at 4 kmph and reaches 10 mins b4 schedule and at 3 kmph reaches 10
mins after schdule find thedist (ans 4 km)

28. Meaning of COY (iritated)

29. Opposite of Grimace

30. Opposite of FLOODED WITH

31.   JUMBLED letters find out the word, the word was FATIGUE

32.   Simple interest problem

33.   Smallest of four given fractions

34.   A guy walks @ 4kmph from a point..After 4hrs a cyclist starts from the same point @ 10kmph....At wht distance will they meet from the starting point? the qn was almost like this.

35.   x% of people have tea, y% have coffee, z no: of people have both...find the total no: of people... soln: easy..have to use n(AUB)=n(A)+n(B)-n(A intersctn   B)..

36.   Complete the series.... 1,4 ,9,25,... (choices- 47,49,64,none)

37.   Analytical qn
  "failures are stepping stones to success" this means...
    a. all success are preceded by failures
    b. success consists of failures
    c. future can lead to success
    d. none..

38.   abt matrices.. which of the following don't have inverse? u have to find for which   matrix |A|=0...time consuming...

39.   There was 1 big sqr which had 16 sqrs in it..4 in a row & column.. each sqr had a no: in it.. except one sqr.. . had 2 find the missing no:...i dont remember the nos...

40.   4 sentences given..& 4 choices of word given...have to choose 1 word that suits all the 4 sentences... *the police are ____ about the miising boy in the forest. * the detective was ____ her face for marks. and 2 more sentences were there... choices(investigating, searching....).ans:investigating.

41.   Hcf of 2 nos...1024 & 1214...don remember nos exactly..like in rs aggarwal...

42.   out of 500 students,75% of boys and 72% of girls passed.Total pass percentage is 77%.How much girls ...?

43.   how many prime numbers are between 1 to 100?

44.   A greater than B and B less than C. what is the relation between A and C ?

45.   given a set of different sentences ...we have to choose an appropriate word which should be matching with all sentences
 eg: A person --------------the child
     The government---------------the people options may be 1)saved 2)preserve (this is not the exact question)