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## SYNTEL Written test Nearly 30-40 questions were asked from the old papers

I got selected in the Written test and called for the Interview on the same day at 4.00pm.

Interview was scheduled at SYNTEL office near Little Mount, Chennai.

I attended the Interview and the HR person asks :

- 1) Which type of movies do you like?
- 2) Tell me about your educational background?
- 3) How can I reach your Residence, because I don't the place where you are residing at chennai?
- 4) What is your ambition?  
( I told I want to develop an application such as winzip.)
- 5) Then he asked, What are all the steps you have taken for that?
- 6) Then he asked some questions from Microprocessors?
  - i) What is a JMP command, MOV command?
  - ii) How many registers are there in 8086?
  - iii) What is a Accumulator?
  - iv) What is the speciality of Accumulator?
  - v) What is JC and JNC?
  - vi) What is AD Converter (Analog-to-Digital) and How it works?
- 7) What is lower-level programming and Higher-level programming?
- 8) Why Microprocessor is called as Lower-level programming?
- 9) What are all the advantages of using Higher-level programming?
- 10) Is Microprocessors 8086 32-bit or 16-bit?
- 11) Today's Economic Times contains how many pages?( Since I mentioned Economic Times in the form provided by SYNTEL at the Interview)
- 12) What is the color of Economic Times?
- 13) In what level do you represented in "Badminton"? (Since I mentioned Badminton at the Sports / games column in the form)
- 14) Is there any questions for you to ask, Yogesh?

Then I asked ,

1) Sir I saw Java and Mainframe is used by SYNTEL through [www.syntelinc.com](http://www.syntelinc.com).

What are the Microsoft Technologies used by SYNTEL?

He told .NET. And he added "we are also undergoing projects in SAP."

That's all.

The Interview is nice and the HR person told " The Interview result will be announced within 1 month."

I am waiting for the SYNTEL Interview results.

If anybody has attended the Interview at chennai on 31-01-2004, please mail me or call me at 9840360700.

If the Interview results are announced please inform me.

The following are the questions asked at the SYNTEL exam on 31-01-2004:

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Paper Pattern:

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"No Negative Marking"

- 1) Section II - 45 questions - 45 mins - cut-off 23
- 2) Section I - 25 questions - 15 mins - cut-off 13
- 3) Section III- 30 questions - 30 mins - cut-off 15

Questions:

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Friends I forgot many questions. Sorry.

I'll try to give you the other questions as early as possible.

But Verbal (English) part you can easily clear if you read "The Hindu" or "The Economic Times" or some other dailies.

Section - I

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i)synonyms: (5 questions)

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- 1)abash
- 2)abase

and some easy ones , sorry I forgot.

ii)Analogies : (5 questions)

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- 1)crust: wave
  - 2)assist: save
  - 3)Lion: Tame
- and two more.

iii)Find the wrong part ( A, B, C, D). If all are right Mark it as 'E'. ( 5 questions)

iv) A sentence is given with correct tense and an incorrect part. We have to find the incorrect part and mark it as the answer. ( 5 questions)

v)Fill in the blanks with appropriate words given in the choices. ( 5 questions )

section - II

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1. one pipe fills in 4 hrs and another in 5hrs when they both work alternately how much time will be taken to fill the tank.

2. LCM of 3 nos is 120 which of the following no must not be their HCF  
a. 8 , b.24 c.12 d.24 and 30

3. two trains from the points A and B moving in opposite direction , at the point they meet the second train travels 120 kms more than the first. The speeds are 50kmph and 60kmph respectively find the distance between A and B?  
Ans: 1320

4. One monkey climbs a poll at the rate of 6mts/min and fell down 3mts in the alternately. Length of the poll is 60 mts , how much time it will take to reach the top?  
a. 31 b.33 c.37 d.40 (ans: 37)

5. A number when multiplied by  $\frac{7}{18}$  instead of  $\frac{7}{8}$  and got the result 770 less than the actual result , find the original number?

6. The volume and the radius of both cone and sphere are equal , then find the ratio of height of the cone to the diameter of the sphere?

7. A and B started a business with 1500 and 2500 and got a profit 800 rs. Half of the profit is shared equally the remaining is shared according to their investment. Find their profits.  
Ans: Rs. 350, Rs.450

8. A:B =2:3 and B:C=5:6 then find A:B:C

9. An amount of 64 Rs has to become 125 in 3 years in compound interest , find the rate of interest?  
Ans: 25%

10. the prime no. , which is greater than 6 when divide by 6 will always gives the remainder  
ans: 1 or 5

11. Length of a rectangle is increased by 50% and breadth is decreased by 25% what is the difference in the area?  
ans: 12.5 increased

12. Mr X position in a class is 13th from first and 17th from last, and 8th from the first and 13th from last in passed candidates list, then how many candidates failed in the exam?  
Ans: 9

13. Two successive discounts of 20% and 15% is equal to a net discount of ----?  
Ans: 32%

14. A two digit number is 4 times to its sum of digits , when 9 is added to the number, the digits will get reversed. Then what is that number?  
Ans: 12

15. The length of the following rectangle is '4a' and its breadth is '2a'. Radius of the two circles is 'a'. Then find the ratio of total area of the rectangle to the area not covered by the two circles with in the

rectangle?

16. A person starts with the speed of  $u/1$  kmph and returns with the speed of  $u/2$  kmph, what is his average speed.?

Ans:  $((2u/1) * (u/2)) / ((u/1) + (u/2))$

The above answer is a intermediary step when we solve the problem.

The final result is  $2u/3$ .

17. A cistern will be filled in 9 hrs, but becoz of an outlet it is filled in 10 hrs, if the cistern is filled, then how much time the outlet takes to empty the cistern?

18. In a right angled triangle ABC angle B = 90 , BM is the median to AC , then  $AB^2 + BC^2$  (in terms of BM)?

19. Three circles with same radius  $r$  are drawn with centres as three vertices of a triangle. What is the sum of areas of the intersections of these circles with the triangle?

20.  $X$  men work for  $X$  days to produce  $X$  products, then  $Y$  men can produce  $Y$  products in ---- days.

21. The compound interest for first and second years is 200 and 220 on a certain amount. Find the sum?

22. Marked price of a commodity is 35% above the cost price. If he gives a discount of 15%, how much he gains on the deal?

23. 5 mangoes + 4 oranges = 7 mangoes + 1 orange.

Find the ratio of mango to orange.

This question is not the actual one, numbers are changed in the exam paper. But a similar one.

24. Food is sufficient for 100men for 60days. For how many days the food is sufficient for 500men?

25. A person sold an item at a profit of 12% .If he sold it at a loss of 12% then he would get Rs.6/- less. What is the cost price?

26. Avg age of  $X$  number of adults in a class is 30yrs. If 12 new adults with avg age of 32 joined with them then the avg age increases by one. Find  $X$ ?

27. find the average of reciprocals of  $x$  and  $y$ ?

Ans:  $xy/(x+y)$

28. In a school there are 1000 students in the year 1999. The number of students increased by 20% in the year 2000. And it is increased by 15% in the year 2001. But it is decreased by 18% in 2002. Then what is the strength in 2002.

29. 1 Rs, 50 ps , 25 ps coins are in the ratio -----, then the number of 50 ps coins if they sum to -----Rs. (similar question in R.S.Agarwal)

30. The highest Score in an innings was  $3/11$  of the total and the next highest was  $3/11$  of the remainder. If the scores differed by 9, find the total score.

a) 151 b) 161 c) 121 d) 101 e) 137

Ans: c

31. A trader marks his goods up by 50% and declares two successive discounts of 20% each. What is his overall gain?

a) 10% gain b) 4% gain c) 4% loss (A) d) 10% loss e) No loss No gain

Section-III

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1. From the word " ENTHUSIASTIC " take letters from positions 1,4,8 and 10 and form a meaningful word. What is the last letter of the meaningful word?

a) H b) A c) E d) T

Ans: d) T ( since the word "HEAT" is formed.)

2) Find the odd-man out:

a) stem b) fruits c) flowers d) tree e) root.

Ans: d) Tree

3) A rectangle was splitted into 6 parts and 5 parts contains a number and we have to find the number which is missing in the empty place of the rectangle?

The series given is 9, \_\_\_\_, 15, 18, 21, 24.

Ans: 12

4) ODD MAN OUT: ABCD, JKLM, OPQR, U VWX, EGHI.

Ans: EGHI.

Six persons A,B,C,D,E and F are sitting in a circle. Some conditions are given such as C is sitting between D and A. E is 3 to the right of B and second to the left of A. ( similar question).

5) Find the person who is sitting against A?

6) Find the person who is sitting against C?

7 & 8) same question as 5 & 6.

9 - 13) This question contains Six persons working and One is a student ( A, B, C, D, E, F and G). There are two couples in the group. Advocate, Author, Engineer, Manager, Teacher, musician are the professions of the family members.

D is the father of E and grand father of C.

D is a Manager. E is a Engineer.

Two women are not an Author or Advocate.

Then 5 questions are asked based on the above information.

14-19) are also similar questions to the above with Sunday, Monday, Tuesday, Wednesday ... Saturday and we have to solve.

30) Last question is a flow chart we have to find the answer.

Step 1: Choose a prime no. > 11 and < 19.

Step 2:  $Y = X + X$

Step 3:  $Z = X * Y$

Step 4: Is  $Z \geq 338$  and  $\leq 578$  Then Continue else Goto Step 1.

Step 5:  $P = Z / Y$

Step 6: Print P.

a) 11 b) 13 c) 17 d) 19 e) None of these

Ans: 13 ( I am not sure)