

ere I am going to share my cs508 paper which was held on 17 december 2016 The questions in cs508 current paper was like:

1. Which language had a strong influence on one of the high level system programming language like C?
  2. What is the role of Atoms in LISP?
  3. Which of the languages first provided a structured exception handling mechanism among Ada and C++?
  4. Considering 'Generalization' as an important factor that helps to manage complexity of any programming language. Briefly mention how could generality be considered as an important language evaluation criteria?
  5. Explain the concept of dangling else with an example. And also explain the solution to this problem.
  6. Suppose you have to write a program in Ada Language for calculating marks of a student for 3 subjects. The total marks for each subject is as follow: Subject1= 100 Subject2= 200 Subject2= 400 How will you restrict users to not enter values less than 0 and greater than total marks? Also write code snippet for this.
- Note: The use of loops and conditions are not allowed.

---

1. Why COBOL was encountered at the start with problems? 2 marks.

2. From the following code snippet in Ada execute which statement if "A" contains "12". 2 marks.

Case "A" is

When 1 => fly

When 11|14 => null;

When 22|20..30=> ;

When others=>complain;

End case;

3. Code given tha us ka output btana tha Lisp mein tha code. 3 marks.

4. In SnoBol4 create a table of unspecified length. 3 marks.

5. In transition C++ in Java what data structures are eliminated. Also give the reasons of elimination of data structure of C++ in Java. 5 marks.

5. In Ada how is different 5 marks.

I) C expression symbolic literals.

II) C++ operator overloading.

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Current paper cs508 17/12/2016

1. Write two data type use in SNOBOL.

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3. Type BIG is mod 8;

big1: BIG:=3; any error in Ada code

4. Write three aspect of Readability.

5. Why we not write > (squire x) in lips. Write any way to assign value to x.

6. Why Readability preferred over writability when conflicting satiation occur. Explain

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My Today Paper of CS508 (19/12/2016)

Question # (01):

Explain the term Writability as a measure of supports for abstraction with example?

Question # (02):

Find the length of the LIST L' (D E F G I) by using List manipulation function?

Question # (03):

In which a program will crash, in run time checking or compile time checking? And briefly explain program reason?

Question # (04):

Write the name of operators which are available in Ada but not in C/C++?

Question # (05):

Convert the following facts into Prolog facts

Fred Eats Orange  
Dolphin Is A Mammal  
John Likes Merry  
Sana Sing Song  
Azmat Cooks Food

Question # (06):

A XYZ school requires a scientific system, The system will be responsible for delivering full understanding of the subjects to students by implementing all the mathematical rules and formulae e.g. Solving differential equation, evaluating integrals etc, Being a programmer identify the language which is most suitable for the design of this system, Also explain the reason for selection

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1. Identify the precedence among Space and Arithmetic Operator.
  2. Why Prefer Ada in exception Handling Mechanism over other languages?
  3. Name any three descendents of C.
  4. How many elements are in (a (de))?
  5. Which operator can't be overridden in Ada, Explain.
  6. Which is more orthogonal from the given 2 sets
    - a. A Reg1, memory\_cell  
AR Reg1, Reg2
    - b. ADD operand1, operand 2
- 

My todays paper

MCQs handouts ma say thay or aik baar sab handouts completely read karlain. Old solved papers ma say kuch b ni aya. MCQS were mostly of Ada langauage.

Aik program aya tha LISP ka jis ma HEIGHT keyword ko remove karna tha 5marks

New programin language kee zarorat kab mehsoos hoi I guess SNOBOL ka pocha gya tha ALGOL k muqablay ma or scientists ka b pocha tha... 5marks

C++ k data structure or Ada k Generics ka farq 3marks

baaqi bhol gya, paper asaan tha.

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My today's papr.

Total 26 questionz, 20 mcqs n 6 subjectiv,

**There were no any MCQ or subjectiv frm Past papers.**

**All were new n conceptual.**

some questionz which i remember r;

1; which predicate function wll hlp for testing atoms?

2; Arrays in SNOBOL?

3; concatenation n patern matchng in SNOBOL?

4; what is Traggerz in Ada?

**Gud lck n plz pray fr my Father's health.**

**jzakAllah,**

---

My yesterday paper

MCQS mostly are new one

write two point that differentiate the LISP language from other language. 2

Why we need single language Ada. 2

Set the value of variable a HEIGHT =12 and Weight=5. 3

What is difference b/w these two statements >(set-intersection L1 L2) and >(set-difference L1 L2) 5

aik question ADA main sy that bhol gya hon

---

my today paper 21 june 2015 12:30 pm

mcq were new from handouts 2 3 from past , 3 subjective Q were from past papers.

Q no 1 write the simple Ada program whether a number is even or not?

Q no 2 which data structure is more widely used in LISP programming.?

Q no 3 write the Ada program of given arguments Use for loop and use Put() method except PUT\_Line() and write NEW\_Line for new line the arguments are given below

```
*  
**  
***  
****  
*****
```

Q no 4 Set the value of variable a HEIGHT =12 and Weight=5.

Q no 5 dotime dolist men sy function tha koi ,

Q no 6 when Put\_Line method is called in Ada does need to call New\_Line method or not?

FORTRAN men sy mcq thy , Lisp men sy thy , ada men sy thy sonobol men sy thy , First program jis ny error door kiye kon sa tha ,readabilty men sy thy , lisp k function kon kon sy hn , etc

best of luck

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Today Paper

Total Questions = 26

Total Marks = 40

Total MCQs of 1 Mark = 20

Short Subjective Question of 2 Marks = 2

Subjective Question of 3 Marks = 2

Subjective Questions of 5 Marks = 2

1. what is the functionality of KEYWORD INT|CAHR IN snobol4 2

2.what is error in it >(sqrt x) in LISP 3

3. how many element in it (a (d e)) related to lisp 2

what is predicate in snobol ya lisp ma language conform ni ha 3

what is valid or invalid statment in ADA language 5

a=(1....5) integer

b=(1....5) integer

c,d=(1....5) float

condition

a=b

a=c

b=a

---

MCQs were from book.

Q1 Write two predicate that are used in lisp. Marks 2

Q2 Lists are used in lisp write top elements of the list given as (add 3( multp 3 4))

and (job car school) Marks 3

Q3 write a two dimensional array of size (2x8) in Snobol and initialize it to zero. Marks 3

Q4 We want to write a programme in Ada and want to take marks as inputs from user and

subject1=(100)

subject2=(200)

subject3=(400)

How we prevent user to input value that are not in this range

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CS 508 kay MCQ half from Past paper and half new not tough, and subjective bhi kuch past say or kuch new tha. conceptual bhi tha or kuch coding ya coding ka putput waly questions they.

Some questions which i remember are:

Which symbol is used for alternation in Snobol?

overloading in Ada and C++?

eik code tha or us ki output poochi thi?

eik LISP ka code tha or us ka result batana tha?

prolong ka question tha or yes or no may answer dyna tha?

waisy sab lectures may sy barabar paper tha or ADA wala part is very important so prepare that part well ... best of luck (y)

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AOA alls

My today paper of CS508 is

All MCQ's from book i think 1 MCQ from past ppz SO prepare ur paper from book.

Total 20 MCQ's

2 question 2, 2 marks from Ada

2 question 3, 3 marks from LISP Programs. end and begin methods

2 Questions 5, 5 marks from LISP

and 1 question i dont know about it where is from about "single standed language"

remember me in ur prayer:

according to paper ADA and Lisp is So important be focus at that languages

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My today paper CS508

MCQs mostly new thy but easy thy, agr ap ne handouts read kye ho to easily ho jy gy.

Q. what will be choice of language in functional program paradigm

Q. Tell the names of operators that are present in Ada but not in C++

Q. tell the difference between first, rest, car, cdr

Q. tell the output if

```
defun y-min (x) (- x, y)
```

```
set y 2
```

```
y-min 20
```

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1) Which statement is true about SNOBOL?

Its developers are computer experts

Its developers have limited introduction with computer science

Is an example of aspect programming languages.

Have many data types

2) We may create our own exceptions in \_\_\_\_\_.

C

SNOBOL

C++

Ada

3) The first argument in LISP list is the \_\_\_\_\_

list

function

argument

atom

---

1. (.)Dot operator is a \_\_\_\_\_ in SNOBOL.
  - Reference pointer
  - Unary operator
  - Class pointer
  - Binary operator
  
2. The GOTO statement in SNOBOL is \_\_\_\_\_.
  - explicit
  - pattern matched
  - implicit
  - an indirect reference.
  
3. The first argument in LISP list is the \_\_\_\_\_
  - list
  - function
  - argument
  - atom
  
4. Function in LISP is in \_\_\_\_\_ notation.
  - postfix
  - infix
  - prefix
  - none of the given
  
5. \_\_\_\_\_ may also change global variable as a side effect.
  - time LISP iteration
  - list LISP iteration
  - dolist LISP iteration
  - dotime LISP iteration
  
6. We have extensive use of \_\_\_\_\_ in LISP.
  - for loop
  - switch statement
  - recursion
  - AI
  
7. Java has no \_\_\_\_\_.

- multiple inheritance
- struct
- enum type
- All of the Given

8. Which of the following is a language designed for distributed computing architecture?

- CORBA
- FORTRAN
- ADA
- LISP

9. \_\_\_\_\_ does not have a predefined inheritance hierarchy.

- ALGOL
- PROLOG
- C++
- Ada

10. Record in Ada is similar to structure in C/C++. Record members in Ada is accessed through a/an\_\_\_\_\_

- (.)Dot operator
- None of the given
- both (à)arrow operator and (.)Dot operator
- (à)arrow operator

11. We may create our own exceptions in \_\_\_\_\_.

- C
- SNOBOL
- C++
- Ada

12. A language is reliable if during execution it does not create \_\_\_\_\_.

- Result
- Error
- Bytecode
- Malfunction

13. If the program written in a particular language is less \_\_\_\_\_ than the cost of failure of the system may be significant.

- Writable
- Reliable
- General
- Readable

14. The portability has direct relation with \_\_\_\_\_.

- Simplicity
- Readability
- Generalization
- Standardization

15. Conditional control transfer" gave rise to the idea of \_\_\_\_\_ which are blocks of code that can be reused over and over.

- Namespaces
- Header Files
- Objects
- Libraries

16. Identify the feature which was not available in FORTRAN-IV.

- support for structured programming
- logical IF statement
- support for explicit type declarations
- subprograms could also be passed as parameters

17. The block structure feature of ALGOL60 has \_\_\_\_\_ scope.

- No
- Local
- Universal
- Global

18. Function must have at least \_\_\_\_\_ return statement.

- Three
- Two
- One
- Four

19. \_\_\_\_\_ programming language is known as “Write-Only” language.

- FORTRAN
- BASIC
- PL/1
- APL

20. Which statement is true about SNOBOL?

- Its developers are computer experts
- Its developers have limited introduction with computer science
- Is an example of aspect programming languages.
- Have many data types

21. What are the additional features added in COBOL language that were not included in SONOBOL. Marks: 2

22. Which programming language is considered to be the defacto standard for Artificial Intelligence community?  
Marks: 2

23. Enlist any three major concepts that were introduced for the first time in LISP programming language. Marks: 3

24. Does Ada facilitate programmers to do programming as a human activity? If yes, give reason. Marks: 3

25. Write a procedure in LISP programming language that takes the following two linked lists as arguments and returns the concatenation of these two lists by adding one list in front of another. Marks: 5

List a=(3 4 5)

List b=(C d 6)

26. Write a program in Ada to print first ten multiples of any number using for loop. Marks: 5

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I was not sure about the ones which are not bold

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1-Name the famous two version of LISP programming:

Ans: 1) Schema 2) Common Lisp

2-Create a list in LISP of elements ABC and insert an element z.

3-Answer with yes or no: (Prolog) Facts and rules were given.

4- Pattern Matching and string concatenation (Space). (SNOBOL)

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Current paper

Why Ada does not use += and -= type of operators?

**Question No:**

Pattern matching is a powerful tool for syntax analysis in **SNOBOL**. Consider the following piece of code and identify if the pattern matching comes out to be success or failure justify your answer in either case.

```
FIRST = 'SUMMER'
```

```
SECOND = 'SUM'
```

```
FIRST SECOND
```

Question

Write a function in LISP that return the difference of the two lists L3 and L4.

Suppose you want to remove a certain property attribute named '**WEIGHT**' from the following list symbols in LISP:

```
>(symbol-plist 'a)
```

```
(WEIGHT 20 HEIGHT 8)
```

Which function will be used for this purpose give proper example to explain your answer?

Why Ada is considered to be a strongly typed language? Briefly explain.

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Today is my papers.

1. Difference the car, cdr first and rest LISP function;
2. How many types of function are supported in SNOBOL 4?
3. Write the name of the operator which are avoidable in Ada but not in C/C++?
4. Write the small program in Ada print the BS-computer-sciences.?

5. Identify the list selector function used in LISP?

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