

ISAR Test September 2003 No documents - 1h30

1. (2 points)
What is interoperability ?
2. (1,5 point)
What is the meaning of marshalling, unmarshalling?
3. (2 points)
In a few words give the main characteristics of a MOM.
4. (1 point)
According to you, what are the drawbacks of the RPC communications scheme ?
5. (1,5 point)
In a middleware, what is the difference between synchronous and asynchronous calls?
6. (1,5 point)
Why is mutual exclusion more difficult to achieve in distributed applications than in centralized ones ?
7. (1,5 point)
Why do distributed applications need terminaison algorithms ?
8. (2 points)
What is the difference between the client/server model and the mobile agents model ?
9. (1,5 point)
CORBA. Meaning of : static invocation, dynamic invocation.
10. (1,5 point)
CORBA : fonctionnalités of the POA ?
11. (1,5 point)
What is the use of the XDR protocol ?
12. (3 points)
Group communication : define the concepts of ordered broadcast and causal broadcast.