1.

XML:

<People>

<Person personID = “Person1” wifeOf = “Person2”>

<Name>Saroja Vuduta</ Name>

<Parents>

<Mother>Kalpana Doddi</Mother>

<Father>Venkat Doddi</Father>

</ Parents>

<Children>

<Son>Karthik Vuduta</Son>

<Daughter>Lithika Vuduta</Daughter>

</ Children>

</Person>

<Person personID = “Person2” wifeOf = “Person1”>

<Name>Mohan Vuduta</ Name>

<Parents>

<Mother>Subbulu Vuduta</Mother>

<Father>Ramesh Vuduta</Father>

</ Parents>

<Children>

<Son>Karthik Vuduta</Son>

<Daughter>Lithika Vuduta</Daughter>

</ Children>

</Person>

</ People>

2.

a)

RAM (PC🡪1001) 🡺1024

RAM (PC🡪1002)🡺512

RAM (PC🡪1011)🡺2048

RAM(PC 🡪1012)🡺1024

b)

<CheapPrinters>

{

let $products:= doc(“Products.xml”)

for $e in $products

where $printer/@price < 100

return $e

}

</CheapPrinters>

3.

a)

<COMMIT T> should come first followed by <END CKPT>

b)

All the transactions occur after <START CKPT>, so we need to look back till <START CKPT>