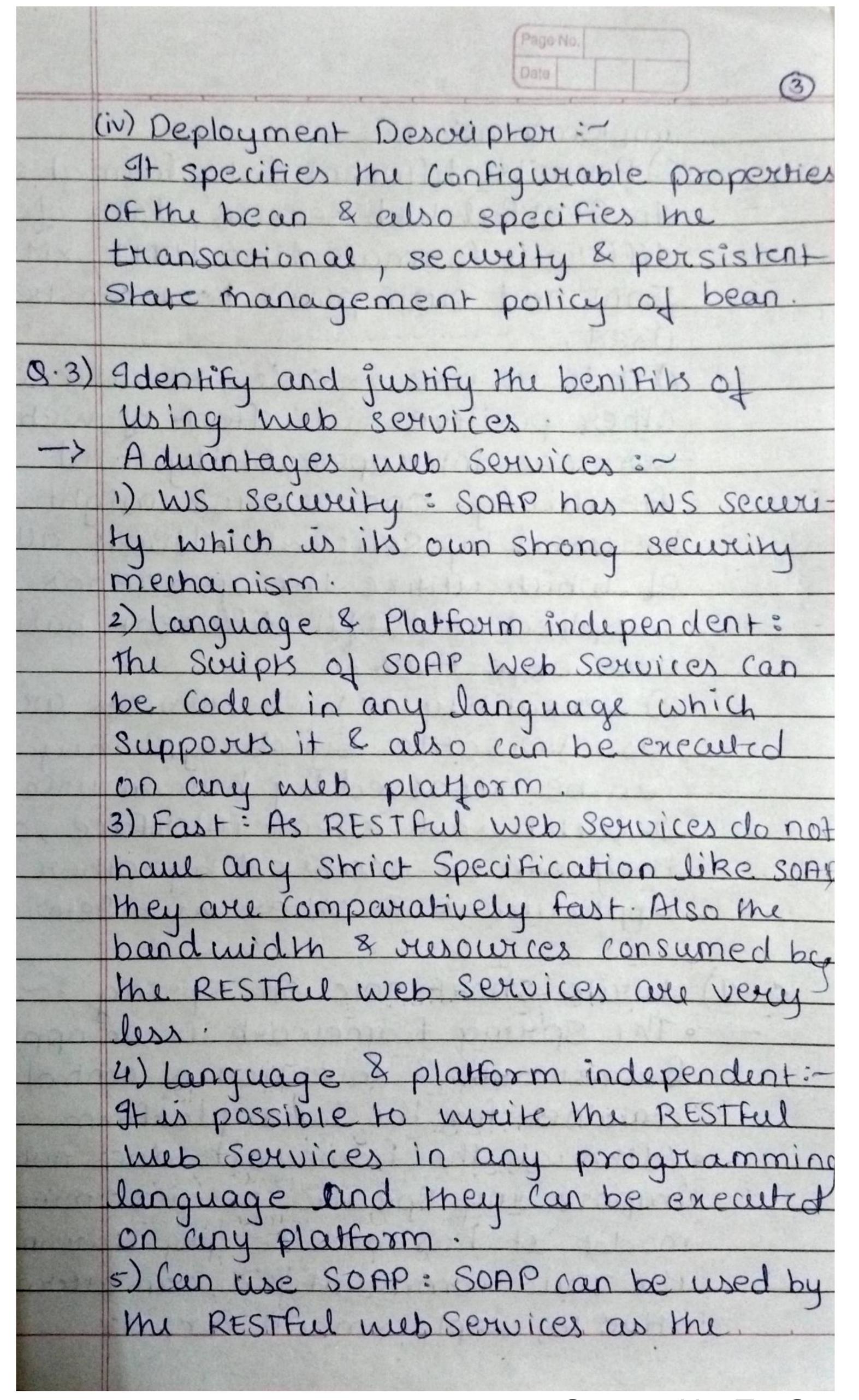
	Page No. Date 1
	Sakshi Anil Fokane TE-A-42
	Nuit No:- AT
~~	what is Enterprise Java Bean? Draw and explain main components of ETB architecture ETB stands for Enterprise Java Beans. An ETB is a server side component which contains the business logic of an appl? The business logic is the code weithen to fulfill the application purpose. ETB architecture is used to ereate server side, multiuser, securel, Scalable, transactional and enterprise-louel applications. ETB architecture Supports client server
(A)	On completely distributed n-Her appl? Components of EJB Architecture :- (1) EJB server(s) (2) EJB containers (3) EJB clients (4) Entreprise Beans
	ETB Container Enterprise Enterprise infor- Toma Bean Relational database Enterprise Legan application Toma Bean ERP systems
	Tier Middle Tien Backend Tien



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	implementation.
	3) Permis different data format:
	In RESTful Web Service, data of
male	different formak dike home, xML,
	Jon and even plain tent can be
	used.
-	7) Code re-use: - code, re-use is
	Other positive Side effect of web
The second secon	services interoperability and
	fleribility one service might
	be used by several clients, all
	01 which utilize the operations
2 3 4 0 2 1	Supplied to fulfil different busi-
	ness objectives.
	8) versatility: Web services are
	also versatile by design. They
	Can be assessed by human usting
	a mebbased mient interface, or
B102	mey ean be accessed by other
	applications & other meb Services
3.4)	Muite shart note on spring:
>	The Spring framework is an appl
	franciscop & inversion of control
	container for the Jana platform
	Although the framework does not
	Impose any specific programming
	model it has become popular in the Java community as an altern-
	ative to, replacement for, ar
	Soonnad by Tan Soonn

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even addition to the Enterpresse Jana	
Beans CETB) model The Spring Frame work is open source.	
· Spring framework was initially written by Rod Johnson & released	-
in June 2003 under the literise of	_
Apache 2.0.	_
The most advantageous string relate to spring is that it is lightweight	7
It occupies only 2MB for its basic Version	_
· Spring framework facilitates casier	_
development of DEE by enabling a	
POIV-based programming model.	
· Aduantages Spring Framework:-	_
There are number of advantages of spring framework as follows:	-
1) Prudefined Templates:	
For Vareious technologies like JDBC Hibernate, JPA, Spring frame work	7
provides templates. Templates help to	
minimize the coding. 2) Loose Coupling:	
2) Loose Coupling :- The coupling of spring application	_
injection.	4
3) Easy to Test:	
The use of Dependency injection Simplifies the testing of application.	
amplified of obtaining	

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	4) Light weight 3-
	4) light weight: - As spring framework uses POJO implementation, it becomes very
	implementation, it becomes very
	lightweight.
Man and	and the state of t
9.5)	ruvite a Short note on Bootstrap.
<u>></u>	To underestand the Bootstrap, first
WY BAR IS	me mill see the Concept of responsive
and the second second	mebsite.
THE RESIDENCE OF THE PARTY OF T	Responsive Website:
•	A responsive mebsite us the one
3407R05	which has the ability to automatically
300 mm	adjust itself to look good on cell
The dance	denices like desktops as well as
	smart phones.
- F 3 -	Bootstrap is as famous francework
Section 19 19 19	which is based on HTML, CSS, &
	Jana Script. Bootstrap is used to
	develop responsive & mobile
	Briendly mebsites.
•	the Tauascript plug-ins can be used
	in Bootsmap.
	Bootstrap facilitates the cruation of
	responsive designs unlike many meb framelworks it
	Concerns itself with front-end
	development only
	History of Bootsmap:~
	- Bootstrap was developed by
	Mark otto & Jacob Thornton at
	Soonnod by TonSoonn