Q.) 1 What is Spring?

Ans: i) Spring is an open source development framework for Enterprise Java. The core features of the Spring Framework can be used in developing any java application

ii) Spring Framework targets to make JavaEE development easier to use and promote good programming practice by enabling a POJO-based programming model.

Q.) 2 What are the advantages of Spring Framework?

Ans:- 1) Predefined Templates for JDBC, Hibernate, JPA etc.

2) Easy to Test

3) Lightweight

4) Fast development

5) It provides powerful abstraction to JavaEE Specification such as JMS, JDBC, JPA and JTA.

Q.) 3 What is Spring boot?

Ans:- i) Spring Boot is an open-source micro framework maintained by a company called Pivotal.

→ ii) Spring Boot is completely new project from Spring Team. It is a framework developed on top of existing Spring framework.

→ iii) It enables building production-ready applications quickly and provides features.

→ iv) With annotations configuration and default codes.

→ v) Spring Boot save the time or reduce the time in development.

Q>4   What is Webservice ?

Ans:- i) A web service is a platform to provide communication between different application developed in different languages.

<u>OR</u>

ii) Web service is software that communicates between two application using **http** **[HyperText Transfer Protocol]** over the world wide web based on xml documents using JSON based documents using RESTFul web service.

Q>5   What is REST API ?

Ans:-
- A REST API is also known as RESTFul API.
- REST stands for representational state transfer
- is an application programming interface that conforms to the constraints of REST architectural style and allows for interaction with RESTFul web services.

Q>6   What is JSON ?

Ans:- i) JSON stands for JavaScript Object Notation.

ii) JSON is a lightweight format for storing and transporting data.

iii) JSON is often used when data is sent from a server to a web page.

iv) JSON is self-describing and easy to understand.

Q.7 what does @Controller annotation?

Ans:- The @Controller annotation marks the class as Controller class. it is applied on the class.

Q.8 What does @Request Mapping annotation?

Ans:- The @RequestMapping annotation maps the request with the method. it is applied on the method.

Q.9 What is getmapping?

Ans:-→ @GetMapping annotation for mapping HTTP GET requests onto specific handler methods.

→ The GET HTTP request is used to get a single or multiple resources.

Q.10 What is @PostMapping?

Ans:- The POST HTTP method is used to create resources and @postMapping annotation for mapping HTTP POST requests onto specific handler method.

Q.11 What is @PutMapping?

Ans:- The PUT HTTP method is used to update the resources and @PutMapping annotation for mapping HTTP PUT requests onto specific handler method.

Q.12 What is @DeleteMapping?

Ans:- The DELETE HTTP method is used to delete the resources and @DeleteMapping annotation for mapping HTTP DELETE requests onto specific Handler method.

Q) 13 explain @ path Variable. and @ requestbody

Ans:-

1) @ path Variable

→ @PathVariable is a Spring annotation which indicates that a method parameter should be bound to a URI template variable.

2) @RequestBody

→ @RequestBody annotation is used to indicating a method parameter should be bind to the body of the HTTP request.

→ Internally, this annotation uses HTTP Message converters to convert the body of HTTP requests to domain objects.

Q) 14 Explain Postman ?

Ans:- Postman is an application used for API testing. It is an HTTP client that tests ~~HTTP~~ HTTP requests, utilizing a graphical user interface, through which we obtain different types of responses that need to be subsequently valided.

GET, POST, PUT, DELETE are the some of most used methods of postman.

Q) 15 What is Maven ?

Ans:-

1) Its dependency management tool.
2) It usages local and remote repository.
3) .m2 is the local repository.
4) maven downloadds main jars and its dependents jars as well.
5) Important file is pom.xml where we mention all dependencies.
6) easy to manage jars vesions.