**SAP CPI QUESTIONS**

**General Questions:**

1. **What is ERP System?**
2. **What is SAP?**
3. **Difference between ERP and SAP.**
4. **What is ECC?**
5. **What is S4HANA?**
6. **Difference between ECC and S4HANA?**
7. **What is middleware?**
8. **Why middleware is needed in business?**
9. **Difference between On-Premise and Cloud?**
10. **What is Cloud Computing**
11. **What is SaaS, IaaS, PaaS?**
12. **What are the advantages of Cloud?**
13. **What is XML?**
14. **What is XSD?**
15. **What is XSLT?**
16. **What is WSDL?**
17. **What is EDI?**
18. **What are the segments available in EDI data structure?**
19. **What is synchronous and asynchronous communication?**

**SAP BTP Cockpit**

1. **What is BTP?**
2. **What is BTP Cockpit?**
3. **What are the Regions available in BTP?**
4. **What is IP Ranges?**
5. **What is Data Centre?**
6. **What is Roles and Role Collections?**
7. **How do you create a service key and what is the purpose of a service key?**
8. **What is Worker node and Tenant Node?**
9. **What is Cloud Foundry and Neo?**

**CPI**

1. **What is CPI?**
2. **What is Integration Suite?**
3. **Which role is required to transfer messages through CPI?**
4. **What is Package?**
5. **What is artifacts?**
6. **What is Integration Flow?**
7. **What is Discover in Integration suite?**
8. **What is Pallet?**
9. **What is Adapter?**
10. **What is the purpose of Sender and Receiver Adapter?**
11. **What are the events available in Integration Suite?**
12. **What is Timer?**
13. **What are the Processes available in Integration Suite?**
14. **What is Local and Exception sub process?**
15. **What is the difference between Escalation end event and Terminate event?**
16. **What is Message Mapping?**
17. **What are the Mapping Functions available in CPI?**
18. **All mapping functions**
19. **What is XSLT mapping?**
20. **What is the syntax in XSLT if a node needs to be rotated multiple times?**
21. **What is ID Mapping?**
22. **What is Content Modifier?**
23. **What is difference between Message Header and Exchange Property?**
24. **What are the Types can we use in a Content Modifier Message Body?**
25. **What are the converters available in Integration Suite?**
26. **What is the use cases of encoder and decoder?**
27. **What is the purpose of Encryptor and Decryptor?**
28. **What is PGP?**
29. **What is PKCS #7?**
30. **What is the contribution of Filter pallet in Integration Suite?**
31. **What is Message Digest used for?**
32. **What is the purpose of script in Integration Suite?**
33. **What are the scripting languages can be used in Integration Suite?**
34. **What is the difference between Local call and External Call?**
35. **What is Content Enricher?**
36. **Explain about Poll Enricher?**
37. **What is the difference between Request Reply and Send?**
38. **What are the Quality of Services provided by CPI?**
39. **Describe about the Router with an example?**
40. **What is Multicast?**
41. **What is the difference between sequential and parallel multicast?**
42. **What is the purpose of Aggregator and How it works?**
43. **What is Join and Gather?**
44. **What is the difference between Multicast and Join?**
45. **What is the different between General and Iterating Splitter?**
46. **What is the difference between Tar and Zip Splitter?**
47. **What is EDI Splitter?**
48. **Why we use Signer and Verifier and what is the difference between those two palettes?**
49. **What is persistence?**
50. **What is Data Store?**
51. **What are the operations we can perform with the Data Store?**
52. **What is Variables in Integration Suite?**
53. **What is the difference between local and global Variable?**
54. **How can you delete a Variable dynamically using your integration Flow?**
55. **What is EDI and XML Validator used for?**
56. **What is simulation?**
57. **How many pallets can be simulated at a time?**
58. **What are the thing we can’t simulate and Why?**
59. **What is Value Mapping?**
60. **What is Local and Global Resources or References?**
61. **What is the different between script and Script Collections?**
62. **What is Runtime Configurations in Integration Suite?**
63. **What is Externalized Parameters?**
64. **What is Namespace mapping?**
65. **What is Allowed Headers and why it is needed?**
66. **If the sender system needs to know what the error occurs when they triggering the data how will you enable that in Integration Suite?**
67. **What is the advantages of the Versions in artifacts?**
68. **What is Deploy in Integration suite?**
69. **What is configuring parameters in Integration Suite?**
70. **How to Move an artifact from one environment to another environment?**
71. **What is Monitoring?**
72. **What is the difference between monitoring the Integration content and monitoring the Messages?**
73. **What is the difference between Security Materials and keystore?**
74. **What is PGP keys?**
75. **What is private key and what is public key?**
76. **What is Number Ranges?**
77. **What is JDBC Material?**
78. **What are the authentication methods available in CPI?**
79. **What is the usage of Connectivity Test?**
80. **Explain the configurations of Below adapters:**
    1. **HTTPS**
    2. **HTTP**
    3. **SFTP**
    4. **MAIL**
    5. **JMS**
    6. **JDBC**
    7. **ODATA**
    8. **SOAP**
    9. **Process Direct**
    10. **FTP**
    11. **Data Store**
    12. **IDOC**
    13. **AMQP**
    14. **Ariba**
    15. **Open Connectors**
    16. **XI**

**Note : Each and every configuration should be learnt of the above adapters.**

**Groovy Script**

1. **Write a script to capture payload?**
2. **Syntax of capture a header or property as a variable.**
3. **Packages used to process XML and Json data.**