

# SS7 Job Interview Questions And Answers



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## SS7 Interview Questions And Answers Guide.

### Question - 1:

What is file fragmentation in disks?

#### Ans:

Some times called 'file system aging' is the inability of a file system to lay out related data sequentially (contiguously), an inherent phenomenon in storage-backed file systems that allow in-place modification of their contents. It is a special case of data fragmentation.

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### Question - 2:

Tell me three categories of hazard?

#### Ans:

electrical hazard >>> as ESD  
mechanical hazard >>> as heavy materials hazards  
chemical hazard >>> as battery liquids

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### Question - 3:

Explain the booting process of a general computer?

#### Ans:

Computer is powered on -> Power On Self Test (POST) is done to check all the hardware -> BIOS (detects the devices like, hard-disk, sets the date and time etc.) -> MBR (locates the first location of boot-loader and starts booting the boot-loader) -> boot-loader (locates the OS and starts loading the OS).

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### Question - 4:

Why are CD and DVD media better than floppy disks?

#### Ans:

Floppy Disc store data Less than 200MB  
CD, DVD's are more than 200MB  
CD-700MB  
DVD-4.3 to 8.5GB

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### Question - 5:

Data can be stored permanently in computer through what?

#### Ans:

Computer data storage, often called storage or memory, refers to computer. Memory can refer to other forms of fast but temporary storage. ... The CPU continuously reads instructions stored there and executes them as required. ... The CPU firstly sends a number through an address bus, a number called memory address...

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### Question - 6:

What are 4 parameters between node A and node B, to bring a PCM link up between them?

**Ans:**

The four parameters between node A and node B, to bring a PCM link up between them are  
1.DPC(Destination Point Code) and OWNSP  
2.Signaling Link set.  
3.Network ID(NAT0 & NAT1)  
4.PCM channel on which link is creating

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**Question - 7:**

Explain how many types tcp/ip protocol?

**Ans:**

Two types of tcp/ip protocol is two types tcp/ipv4 & tcp/ipv6.  
tcp/ipv4 it is 32 bit now a days it is used.  
tcp/ipv6 it is 128 bits it is advanced technology.

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**Question - 8:**

What is the full form of D-link?

**Ans:**

full form of D-link is diagonal link . this link actually used to connect the STP pairs within the same network .

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**Question - 9:**

What is the sequence of Cross cable for connect 2 computer?

**Ans:**

there r so many types of cross cables this is Standard cross cable :-

white.orange ----- White green  
orange ----- green  
white.green ----- white.orange  
blue ----- blue  
white.blue ----- white blue  
green ----- orange  
white.brown ----- white brown  
brown ----- brown

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**Question - 10:**

What is the difference between IAM and SAM?

**Ans:**

IAM(Initial Address Message)contains the information required for setup call.For a basic call it is a first message send to Destination.  
SAM(subsequent address message)exactly it is overlap calls address.  
SAM message has to be sent in the scenario when suppose a subscriber dialed a number 9321353536.  
SSP send the IAM message to there destination without reading the 353536. I.e originating SSP looks 9321 and sends the IAM message to their respective Destination. And SAM to be send with rest dialed digit.

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**Question - 11:**

What are the different links in a SS7 network?

**Ans:**

There are 6 links  
A-Access link  
B-Bridge link  
C-Crossover link  
D-Diagonal link  
E-Extended link  
F-Fully Associated link

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**Question - 12:**

If there is no RLC in response to REL what will the intermediate switch will do?

**Ans:**



After timeout intermediate switch will release the call.

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### Question - 13:

What are the different functionalities of MTP3 layer?

#### Ans:

Message Transfer Part level 3 (MTP3) is the network layer in the SS7 protocol stack. It routes SS7 signalling messages to public network nodes by means of Destination Point Codes, and to the appropriate signalling entity within a node by means of a Service Info Octet. MTP3 is specified as part of the SS7 protocol and is also referred to as part of the B-ICI interface for ATM. MTP3 sits between MTP2 and the user parts (ISUP, TUP, SCCP and TCAP) of the SS7 protocol stack. B-ISUP is an Application Layer protocol run over MTP3.

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### Question - 14:

What is ss7 stack?

#### Ans:

[http://www.cisco.com/en/US/products/hw/switches/ps2246/products\\_pre-installation\\_guide\\_chapter09186a00800ea6d2.html](http://www.cisco.com/en/US/products/hw/switches/ps2246/products_pre-installation_guide_chapter09186a00800ea6d2.html)

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### Question - 15:

What is the difference between SCCP and MTP3?

#### Ans:

In MTP3 The routing label details like Service indicator ,service network type ,OPC and DPC details are available.The SCCP is the Transport layer for Tcap Based applications.The SCCP Placed over the MTP3 layer.

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### Question - 16:

What is continuity test in SS7 and why it is performed?

#### Ans:

COT is an automated diagnostic procedure performed in the Signaling System 7 (SS7) Public Switched Telephone Network (PSTN) between switches to ensure that circuits are in service and not experiencing excessive signal loss. This validation is performed by sending tones across the bearer channel. It is performed on a sampling basis. For instance, on 10 percent of the calls

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### Question - 17:

What is difference between osi layer and tcp/ip suite?

#### Ans:

In OSI reference model, there are seven layers which are Application layer, Presentation layer, Session layer, Transport layer, Network layer, Datalink Layer, and Physical layer. It is detailed model for the transfer of information from one destination from other. While the TCP/IP suite was somewhat compact, it was not as detailed.

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### Question - 18:

Explain devices that operate at the different layers of the OSI/TCP/IP model clearly stating their functions at the respective layers?

#### Ans:

physical layer -----all physical devices like wires, connectors, hubs repeaters,electrical signals,  
Datalink layer-----switch ,briges,  
Network layer-----routers or brouter  
transport -----gateways

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### Question - 19:



Do you know What is the address of one node in ISUP?

**Ans:**

SPC, Signalling point code

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**Question - 20:**

What is the difference between MTP3 and MTP3B?

**Ans:**

MTP3 is used for Narrowband signaling and is the traditional TDM based transmission system. On the other hand MTP3b is used for Broadband signaling and basically designed for supporting ATM features on the basis of MTP3.

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**Question - 21:**

How many links are possible between 2 ss7 links?

**Ans:**

2 links.

High Speed Links (HSL)

Low Speed Links (LSL)

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