

IT601 Mid term past Papers

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[5/22, 8:31 PM]

- Different components of a system have objectives.
- 5 levels mai sy koi b level ho skta ha
- in MTTF and MTTR k standfor thy
- qustion tha k window ki opertion btyn
- cpu ki performacne kysi ha
- ik level wla aya tha , yh jo next info ha yh table mai given thi or new users and softwarea install sy btna tha k kn sa point kis heading sy relataed ha
- states wala b question tha ik
- buy in bulk allocate fraction waly ki advantages thi
- log files location mai system logs and application logs btani thi with address.

[6/3, 10:55 AM] It601 today paper

- It601 main MCQS total slides say thay kuch bhi Bahir say nahi tha sab Slides main sy aya tha and Easy tha
- Short and long main
- Server ki Rams Kay baray main Batana tha,
- Risc and X86 processors k baray main difference Batana tha
- Virtualization and Containers ka difference
- Linux operating system main system logs Kahan hotay Hain aur Kuch types likhni thi unki
- Server ki Konsi Rams Hotin Hain Unki Speed aur Cost Kay hawalay say Batana tha
- Spare capacity (N+1,N+2,N+X) ka question tha

[6/3, 10:56 AM] IT601 today paper 03-06-24

- 8:00 am
- Mcqs are easy
- ✍️short question
- Formula of availability
- Advantage and disadvantage of snow fawal
- Types of server architecture

- ✍️ long question
- types of busses
- Formula of reliability
- Ring buffer

[6/3, 11:02 AM] Same yhe paper aya Aj Mje 9:30 py yhe long short the sab 😊

[6/3, 2:24 PM] IT601 paper 03-06-24. 9:30 am

- Mcqs are from every topic
- **short question**
- 1.definition of availability and its formula
- 2.Write One Advantage and disadvantage of snowflake
- 3.situation given the inki commands likhni the
- 4. befits of live migration and load balancer k bary mai tha
- **long question**
- 1.Types of system busses and their definition
- 2.evard computer k states diye huwe the table me in k process likhny the.
- 3.What is the purpose of ring buffer and write its events?

[6/6, 11:25 AM] IT601 06-06-24.

- Time 9:30am
- Mcqs from handouts and difficult
- **Short Question**
- 1: In SAMM what is the process area of initial level?
- 2: write commands
 - Configuration of IP address temporary assignment
 - Clear all IP configuration of network
- 3: write three name of AXT supplies
- **Long Question**
- 1: in SAMM, what is the process of fire alarm system?
- 2: write benefits of live migration.
- 3: write logs and its location
- Paper is difficult read carefully everything.
- Best of luck 🍀

[6/6, 11:25 AM] It601 9:30am

- Mcqs from slides short question
- Table given tha btana tha knsi state a
- Table given tha btana tha knsi redundancy hai
- There architecture where Ubuntu run on
- Server architecture mai other approaches k bary btana tha
- Long question
- IT system tasks
- Server hardware features
- Names of log system and their location

[6/6, 1:58 PM] It601 9:30am

- Mcqs from slides short question
- Table given tha btana tha knsi state a
- Table given tha btana tha knsi redundancy hai
- There architecture where Ubuntu run on
- Long question
- IT system tasks
- Server hardware features
- Names of log system and their location

[6/6, 6:45 PM] Ways of IP address assignment

[6/6, 7:21 PM] - *FBDIMM*: High speed (up to DDR2-800), higher cost due to advanced features.

- *UDIMM*: Moderate to high speed (up to DDR4-3200), lower cost, common in desktops.

- *RDIMM*: Moderate to high speed (up to DDR4-3200), higher cost, used in servers.

- *LRDIMM*: High speed (up to DDR4-3200), higher cost, used in servers for high capacity.

- *SODIMM*: Moderate to high speed (up to DDR4-3200), moderate cost, used in laptops.

- *MicroDIMM*: Moderate speed (up to DDR3-1600), moderate to high cost, used in ultra-compact devices.

[6/6, 9:21 PM] ### Advantages of Snowflake Architecture

1. *Optimal Performance*: Machines are configured for peak application performance.

2. ***Vendor Competition***: Vendors compete to meet precise hardware specifications.
3. ***Flexibility***: Tailored solutions adapt to specific demands and growth projections.
4. ***Customized Capacity***: Precise resource allocation prevents underutilization or overprovisioning.

Disadvantages of Snowflake Architecture

1. ***Increased Administrative Overhead***: Managing unique machines increases administrative complexity.
2. ***Complex Asset Tracking***: Detailed and up-to-date inventory management is challenging.
3. ***Standardization Issues***: Lack of standardization leads to inefficiencies and complexity.
4. ***Higher Training Costs***: Diverse systems require extensive training and support.
5. ***Global Deoptimization***: Customizing each machine can reduce overall system efficiency.

[6/6, 10:09 PM] - ***Control Bus***: Transmits control signals to manage and coordinate computer operations.

- ***Address Bus***: Carries memory addresses from the processor to other components.
- ***Data Bus***: Transfers actual data between the processor, memory, and peripherals.

[6/7, 7:38 AM] The purpose of the ring buffer in the context of a Linux system is to store log messages generated by the kernel during the system's boot process and operation. This includes essential messages that occur before user logging is initialized, ensuring that critical system events are captured from the very beginning of the system's startup.

Events that are stored in the ring buffer include:

- Errors in mounting a disk
- Driver loading messages