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Question No: 1 (Marks: 1) - Please choose one
The _____ RTN describes the overall effect of instructions on the programmer visible registers.

- ►**Abstract** click here for detail
- ►Concrete
- ►Absolute
- ►Basic

Question No: 2 (Marks: 1) - Please choose one
The instruction set is of _____ importance in governing the structure and function of the pipeline.

- ►Least
- ►**Primary** click here for detail
- ►Secondary
- ►No

زندگی میں کامیابی کا یہی راز ہے کہ پریشانیوں سے پریشان مت بنو

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Question No: 3 (Marks: 1) - Please choose one
_____ is the most general and least useful performance metrics for RISC machines.

- **MIPS** click here for detail
- Instruction Count
- Number of registers
- Clock Speed

Question No: 4 (Marks: 1) - Please choose one
A _____ provides four functions: Select, DataIn, DataOut and Read/Write.

- ALU
- Bus
- Register
- **Memory Cell (Page 351)**

Question No: 5 (Marks: 1) - Please choose one
We can classify or partition the SRC instructions by their overall _____ behavior.

- **Register transfer** click here for detail
- Memory transfer
- Execution
- Logical

Question No: 6 (Marks: 1) - Please choose one
The _____ RTN describes detailed register transfer steps in the data path that produce the overall effect.

- Abstract
- **Concrete** click here for detail
- Absolute
- Basic

Question No: 7 (Marks: 1) - Please choose one
All members of the MC68000 family are _____ processors.

- **32-bit** click here for detail
- 16-bit
- 64-bit
- 8-bit

جھوٹ انسان اور ایمان دونوں کا دشمن ہے

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Question No: 8 (Marks: 1) - Please choose one

_____ Operations refers to a processor that can issue more than one instruction simultaneously.

- ►Macro
- ►Micro
- ►Scalar
- ►**Superscalar** click here for detail

Question No: 9 (Marks: 1) - Please choose one

Exceptions which are _____ occur in response to events that are paced by the internal processor clock.

- ► Asynchronous
- ► **Synchronous** click here for detail
- ► Internal
- ► External

Question No: 10 (Marks: 1) - Please choose one

In the hazard detection by hardware, resolved by pipeline stalls, if the instructions are in the adjoining stages, then the hazard must be detected in stage _____.

- ► 4
- ► 2
- ► **3** click here for detail
- ► 1

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Question No: 1 (Marks: 3) - Please choose one

16k x4 static RAM Chip is arranged in the form of four _____ cells.

►16x512
►32x512
►256x512
►**64x256** **(Page 352)**

عقل مند کہتا ہے میں کچھ نہیں جانتا جبکہ بے وقوف کہتا ہے کہ میں سب کچھ جانتا ہوں

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Question No: 2 (Marks: 3) - Please choose one
In a DRAM cell, the storage capacitor will discharge in around _____
►**4 -15 ms (Page 354)**
►2 - 10 ms
►5-20 ms
►10-25 ms

Question No: 3 (Marks: 3) - Please choose one
1-bit sign, 8-bit exponent, 23-bit fraction and a bias of 127 is used for _____ Binary Floating Point Representation
►Double precision
►**Single Precision (Page 348)**
►All of above
►Half Precision

Question No: 4 (Marks: 3) - Please choose one
The average rotational latency if the disk rotated at 20,000rpm is _____
►0.5 ms
►3.5 ms
►2.5 ms
►**1.5 ms (Page 324)**

Question No: 5 (Marks: 3) - Please choose one
A hard disk with 5 platters has 1024 tracks per platter, 512 sectors per track and 512 bytes/sector. What is the total capacity of the disk?
►1.5 GB
►**1 GB (Page 324)**
►2 GB
►3 GB

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