

MC100401285

CS501- Advance Computer Architecture Solved MCQS From Final term Papers Moaaz.pk@gmail.com Mc100401285@gmail.com

Feb 22,2013

PSMD01

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## FINALTERM EXAMINATION Fall 2008 CS501- Advance Computer Architecture

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

Which one of the following is the memory organization of SRC processor?

- 2^8 \* 8 bits
- 2^16 \* 8 bits
- 2^32 \* 8 bits (Page 46)
- 2^64 \* 8 bits

**Question No: 2 ( Marks: 1 ) - Please choose one** Type A format of SRC uses ------instructions

- Two (Page 47)
- three
- four
- five

**Question No: 3 (Marks: 1) - Please choose one** The instruction ------will **load** the register R3 with the contents of the memory location M [PC+56]

- Add R3, 56
- lar R3, 56
- ldr R3, 56 (Page 47)
- str R3, 56

دنیامی سب سے مشکل کام اپنی اصلاح اور سب سے آسان کام دو سرول پر نکتہ چینی کرناہے

## Question No: 4 (Marks: 1) - Please choose one

Which format of the instruction is called the accumulator?

- 3-address instructions
- 3-address instructions
- 2-address instructions
- 1-address instructions (Page 32)
- 0-address instructions

## Question No: 5 ( Marks: 1 ) - Please choose one

Which one of the following are the **code size** and the **Number of memory bytes** respectively for a 2-address instruction?

- 4 bytes, 7 bytes
- 7 bytes, 16 bytes (Page 36)
- 10 bytes, 19 bytes
- 13 bytes, 22 bytes

## Question No: 6 (Marks: 1) - Please choose one

Which operator is used to name registers, or part of registers, in the Register Transfer Language?

- := (Page 66)
- &
- %
- ©

## Question No: 7 (Marks: 1) - Please choose one

The transmission of data in which each character is self-contained units with its own start and stop bits is -----

- Asynchronous Click here for detail
- Synchronous
- Parallel
- All of the given options

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

Circuitry that is used to move data is called ------

- Bus <u>click here for detail</u>
- Port
- Disk
- Memory

خداکے سواکسی سے امیر مت رکھو

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

Which one of the following is **NOT** a technique used when the CPU wants to exchange data with a peripheral device?

- Direct Memory Access (DMA).
- Interrupt driven I/O
- Programmed I/O
- Virtual Memory (Page 268)

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

Every time you press a key, an interrupt is generated. This is an example of

- Hardware interrupt (Page 275)
- Software interrupt
- Exception
- All of the given

#### Question No: 11 (Marks: 1) - Please choose one

The interrupts which are pre-programmed and the processor automatically finds the address of the ISR using interrupt vector table are

- Maskable
- Non-maskable
- Non-vectored
- Vectored (Page 277)

#### Question No: 12 (Marks: 1) - Please choose one

Which is the last instruction of the ISR that is to be executed when the ISR terminates?

- IRET (Page 278)
- IRQ
- INT
- NMI

#### Question No: 13 (Marks: 1) - Please choose one

If NMI and INTR both interrupts occur simultaneously, then which one has the precedence over the other

- NMI (Page 279)
- INTR
- IRET
- All of the given

برى محبت سے تنہائى بيتر ب اور تنہائى سے نيك محبت بيتر ب

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## Question No: 14 (Marks: 1) - Please choose one

Identify the following type of serial communication error condition:

The prior character that was received was not still read by the CPU and is over written by a new received character.

- Framing error
- Parity error
- Overrun error (Page 240)
- Under-run error

#### Question No: 15 (Marks: 1) - Please choose one

------the device usually means reading its status register every so often until the device's status changes to indicate that it has completed the request.

- Executing
- Interrupting
- Masking
- Polling <u>click here for detail</u>

#### Question No: 16 (Marks: 1) - Please choose one

Which I/O technique will be used by a sound card that may need to access data stored in the computer's RAM?

- Programmed I/O
- Interrupt driven I/O
- Direct memory access(DMA) Click here for detail
- Polling

#### Question No: 17 (Marks: 1) - Please choose one

For increased and better performance we use \_\_\_\_\_ which are usually made of glass.

- Coaxial Cables
- Twisted Pair Cables
- Fiber Optic Cables (Page 390)
- Shielded Twisted Pair Cables

#### Question No: 18 (Marks: 1) - Please choose one

In \_\_\_\_\_ if we find some call party busy we can have provision of call waiting.

• Delay System

(Page 381)

- Loss System
- Single Server Model
- None of the given

التد کاخوف سب سے بڑی دانائی ہے

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#### Question No: 19 (Marks: 1) - Please choose one

In \_\_\_\_\_ technique memory is divided into segments of variable sizes depending upon the requirements.

- Paging
- Segmentation (Page 365)
- Fragmentation
- None of the given

#### Question No: 20 (Marks: 1) - Please choose one

For a request of data if the requested data is not present in the cache, it is called a \_\_\_\_\_

- Cache Miss (Page 358)
- Spatial Locality
- Temporal Locality
- Cache Hit

#### Question No: 21 (Marks: 1) - Please choose one

An entire \_\_\_\_\_ memory can be erased in one or a few seconds which is much faster than EPROM.

- PROM
- Cache
- EEPROM
- Flash Memory (Page 356)

#### Question No: 22 (Marks: 1) - Please choose one

\_\_\_\_\_chips have quartz windows and by applying ultraviolet light data can be erased from them.

- PROM
- Flash Memory
- EPROM (Page 356)
- EEPROM

#### Question No: 23 (Marks: 1) - Please choose one

The \_\_\_\_\_\_signal coming from the CPU tells the memory that some interaction is required between the CPU and memory.

- **REQUEST** (Page 350)
- COMPLETE
- None of the given

د نیاکی سب سے بڑی فتح نفس پر قابور کھنا ہے

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## Question No: 24 (Marks: 1) - Please choose one \_ is a combination of arithmetic, logic and shifter unit along with some multiplexers and control unit. **Barrel Rotator** Control Unit . Flip Flop ALU (Page 347) Question No: 25 (Marks: 1) - Please choose one In Multiple Interrupt Line, a number of interrupt lines are provided between the \_\_\_\_\_\_ modules. **CPU and the I/O** (Page 283) • CPU and Memory • Memory and I/O None of the given . Question No: 26 (Marks: 1) - Please choose one The data movement instructions \_\_\_\_\_\_ data within the machine and to or from input/output devices. Store • Load Move None of given (Page 141) Question No: 27 (Marks: 1) - Please choose one CRC has ----- overhead as compared to Hamming code. • Equal • Greater Lesser (Page 329) None of the given • Ouestion No: 28 (Marks: 1) - Please choose one The \_\_\_\_\_\_ is w-bit wide and contains a data word, directly connected to the data bus which is b-bit wide memory address register (MAR). • Instruction Register(IR) • memory address register (MAR) • memory Buffer Register(MBR) (Page 350)

• Program counter (PC)

ایماندار کو شعبہ دیر سے آتاہے اور جلدی دور ہو جاتاہے

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#### Question No: 29 (Marks: 1) - Please choose one

In\_\_\_\_\_technique, a particular block of data from main memory can be placed in only one location into the cache memory .

- Set Associative Mapping
- Direct Mapping (Page 360)
- Associative Mapping
- Block Placement

#### Question No: 30 (Marks: 1) - Please choose one

\_\_\_\_\_ indicate the availability of page in main memory.

- Access Control Bits
- Used Bits
- Presence Bits <u>click here for detail</u>
- None of the given

## FINALTERM EXAMINATION FALL 2006 CS501 - ADVANCE COMPUTER ARCHITECTURE

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

The \_\_\_\_\_ RTN describes the overall effect of instructions on the programmer visible registers.

- ► Abstract <u>click here for detail</u>
- ► 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.

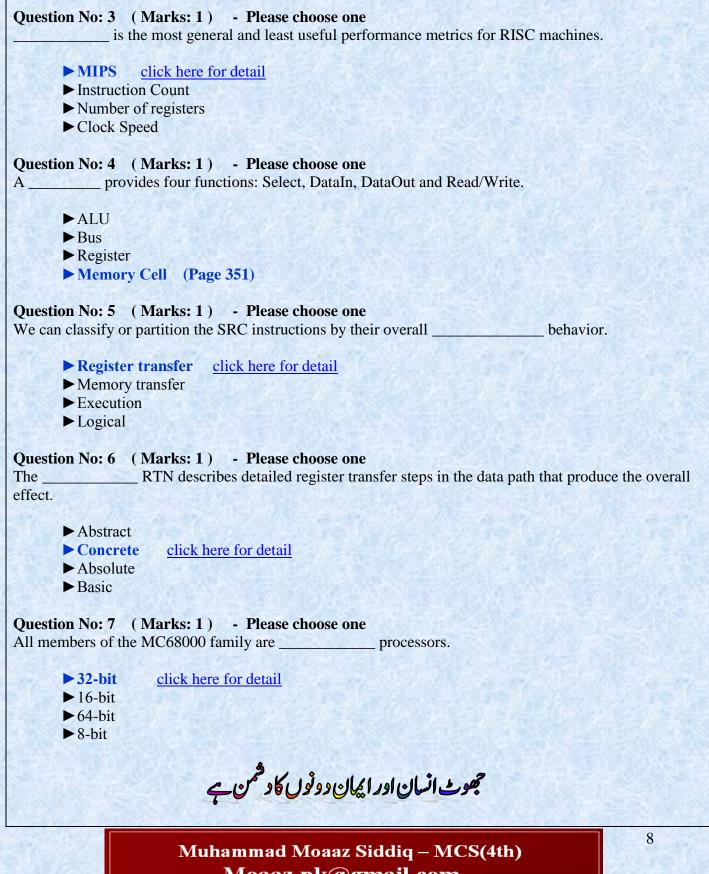
►Least

Primary click here for detail

- ► Secondary
- ►No

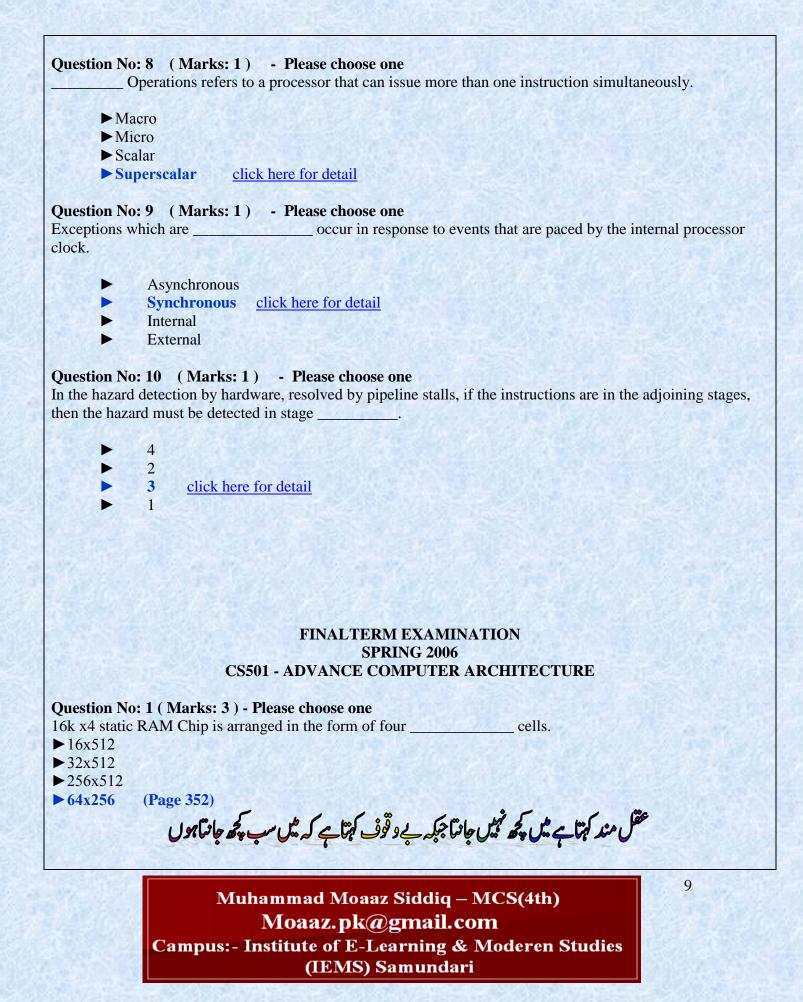
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Question No: 2 (Marks: 3) - Please choose one In a DRAM cell, the storage capacitor will discharge in around 4 -15 ms (Page 354) 2 - 10 ms 5-20 ms 10-25 ms
Question No: 3 (Marks: 3) - Please choose one
1-bit sign, 8-bit exponent, 23-bit fraction and a bias of 127 is used for Binary Floating Point         Representation         ▶ Double precision         ▶ Single Precision         (Page 348)
All of above
<ul> <li>Half Precision</li> </ul>
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

خود کو شمیں سے بڑھ کر کوئی اچھامشورہ نہیں دے سکتا

# CS501 – Final Term Quizzes

# Quiz No.3 (Fall 2012)

#### Question #1 of 10 (Total Marks: 1) Select correct option:

Where does the processor store the address of the first instruction of the ISR?

Interrupt vector (Page 277) Interrupt request Interrupt handler All of the given options

Question # 2 of 10 (Total Marks: 1) Select correct option: In \_\_\_\_\_, a separate address space of the CPU is reserved for I/O operations.

Isolated I/O (Page 236) Memory Mapped I/O All of above None of above

Question # 3 of 10 (Total Marks: 1) Select correct option:

----- is the time needed by the CPU to recognize (not service) an interrupt request.

## Interrupt Latency (Page 279)

Response Deadline Timer delay Throughput

#### **Question #4 of 10 (Total Marks: 1) Select correct option:**

is a technique in which some of the CPU's address lines forming an input to the address decoder are ignored.

Microprogramming Instruction pre-fetching Pipelining **Partial decoding** (Page 255)

جو مخض ناکامیوں سے ڈر کر بھا گتاہے کامیابی اس سے ڈر کر بھاتی ہے

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#### Question # 5 of 10 (Total Marks: 1) Select correct option:

How can you define an interrupt?

A process where an external device can speedup the working of the microprocessor A process where memory can speed up programs execution speed A process where an external device can get the attention of the microprocessor <u>click here for detail</u> A process where input devices can takeover the working of the microprocessor

#### **Question # 6 of 10 (Total Marks: 1) Select correct option:**

An interface that can be used to connect the microcomputer bus to \_\_\_\_\_\_ is called an I/O Port.

Flip Flops Memory **Peripheral devices (Page 234)** Multiplexers

#### **Question #7 of 10 (Total Marks: 1) Select correct option:**

A software routine performed when an interrupt is received by the computer is called as ------

Interrupt Interrupt handler <u>click here for detail</u> Exception Trap

#### Question # 8 of 10 (Total Marks: 1) Select correct option:

Which one of the following methods for resolving the priority makes use of individual bits of a priority encoder?

Daisy-Chaining Priority Asynchronous Priority **Parallel Priority** (Page 281) Semi-synchronous Priority

جولوگوں کے سامنے فخر کر تاہے دولوگوں کی نظروں سے گرجاتا ہے

# Quiz No.3 (Fall 2012)

#### **Question #1 of 10 (Total Marks: 1) Select correct option:**

In which one of the following methods for resolving the priority, the device with the highest priority is placed in the first position, followed by lower-priority devices up to the device with the lowest priority, which is placed last in the series?

Asynchronous **Daisy-Chaining Priority** Parallel Semi-synchronous

#### **Question # 2 of 10 (Total Marks: 1) Select correct option:**

Identify the type of serial communication error condition in which A 0 is received instead of a stop bit (which is always a 1)?

#### Framing error (Page 240)

Parity error Overrun error Under-run error

#### **Question # 3 of 10 (Total Marks: 1) Select correct option:**

Identify the following type of serial communication error condition in which no character is available at the beginning of an interval.

Framing error Parity error Overrun error **Under-run error** (Page 240)

#### **Question #4 of 10 (Total Marks: 1) Select correct option:**

\_\_\_\_\_ is an electrical pathway through which the processor communicates with the internal and external devices attached to the computer.

Computer Bus Hazard Memory Disk

click here for detail

عقل منداب عیب خود دیکھتا ہے اور بچ قونوں کے عیب دنیاد کیمتی ہے

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#### **Question # 5 of 10 (Total Marks: 1) Select correct option:**

Connection to a CPU that provides a data path between the CPU and external devices, such as a keyboard, display, or reader is called------

processer program Buses <u>click here for detail</u> memory address

**Question # 6 of 10 (Total Marks: 1) Select correct option:** VLIW stands for -----

Very Lengthy Interaction Word Very Length Instruction Width Very Long Instruction Word (Page 219) none of given options

#### Question # 7 of 10 (Total Marks: 1) Select correct option:

A -----is a wiring scheme in which, for example, device A is wired to device B, device B is wired to device C, device C is wired to device D etc.

Daisy chainclick here for detailDMAInterrupt driven I/OPolling

Question # 8 of 10 (Total Marks: 1) Select correct option: An ------ is the memory address of an interrupt handler.

Interrupt vector <u>click here for detail</u> Interrupt service routine Exception Mask

Question # 9 of 10 (Total Marks: 1) Select correct option: The conversion of numbers from a representation in one base to another is known as\_\_\_\_\_\_ Radix Conversion (Page 333) Number Representation Decimal representation Hexadecimal Representation

بر صورت چر وبر صور د دماع سے بجتر ب

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#### **Question # 10 of 10 (Total Marks: 1) Select correct option:**

If an interrupt is set by the timer component or by the peripheral device then how would you categorize it? Hardware <u>click here for detail</u>

Software Exception All of the given options

# **Quiz No.3 (Fall 2012)**

## Question #1 of 10 (Total Marks: 1) Select correct option: 1

In which one of the following interrupts the device have to supply the address of the subroutine to the Microprocessor

Maskable **Non-maskable** <u>click here for detail</u> Non-vectored Vectored

## Question # 2 of 10 (Total Marks: 1) Select correct option:

----- interrupts are usually associated with the software

hardware software <u>click here for detail</u> machine internal

#### **Question # 3 of 10 (Total Marks: 1) Select correct option:**

When the address of the subroutine is already known to the Microprocessor then it is called as ------ interrupt. Maskable

Non-maskable Non-vectored Vectored <u>click here for detail</u>

#### **Question # 4 of 10 (Total Marks: 1) Select correct option:**

How Interrupt driven I/O is better than polling because?

Interrupt driver I/O is easy to design Interrupt driver I/O is enhanced version of polling. Interrupt driver I/O does not waste time on checking which device is available. (Page 274) Interrupt driven I/O is easy to program.

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CS501 – Quiz No.4 (13 Feb 2013)
Question # 1 of 10 (Total Marks: 1)       Select correct option:         In Single-Precision Binary Floating Point Representation the exponent is
8 bits (Page 348)
11 bits
1 bit 23 bits
Question # 2 of 10 (Total Marks: 1) Select correct option:
Theis m-bits wide and contains memory address generated by the CPU directly connected to the m-bit
wide address bus Booth Recording
memory address register (MAR) (Page 350)
memory Buffer Register(MBR)
Program counter (PC)
Instruction Register(IR)
Question # 3 of 10 (Total Marks: 1)       Select correct option:         A combination of parallel and sequential hardware used to build a multiplier is known as
Series Parallel Multiplier (Page 342) None of the given
Question # 4 of 10 (Total Marks: 1)       Select correct option:         The register file is a collection ofbit wide registers used for data transfer between memory and the CPU .
8
16
<b>32</b> (Page 350) 64
Question # 5 of 10 (Total Marks: 1)       Select correct option:         The of an m digit number x is xc'=bm -1- x
Radix Compliment
Diminished Radix Compliment (Page 337)
Signed Magnitude Form
Biased Representation
Muhammad Moaaz Siddiq – MCS(4th)

**Question #6 of 10 (Total Marks: 1)** Select correct option: Shifting of the radix point towards left or right is called \_\_\_\_\_ Shifting Logical Shift **Right Shift** Scaling (Page 335) **Question #7 of 10 (Total Marks: 1)** Select correct option: In \_\_\_\_\_\_ adder circuit we feed carry out from the previous stage to the next stage and so on. **Ripple Carry Adder** (Page 341) Carry Look Ahead Adder **Complement Adder** 2's Complement Adder **Question # 8 of 10 (Total Marks: 1)** Select correct option: are computed by the ALU and stored in processor status register. **Condition codes** (Page 334) **Conditional Branches Fraction Division** None of the given **Question # 9 of 10 (Total Marks: 1)** Select correct option: **Control Read** Shift/bypass (Page 346) **Control Write** None of the given Question # 10 of 10 (Total Marks: 1) Select correct option: Along with information bits we add up another bit which is called the bit. CRC Hamming **Error Detection** Parity (Page 328) بہترین تجربہ وہ جس سے نصیحت حاصل ہو 17 Muhammad Moaaz Siddiq – MCS(4th) Moaaz.pk@gmail.com Campus: - Institute of E-Learning & Moderen Studies

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#### **Question #1 of 10 (Total Marks: 1)** Select correct option:

In \_\_\_\_\_ recording ,bits are encoded in pairs so there are only ' n/2' additions instead of 'n'.

Booth Recording Bit Pair Recording (Page 343) Integer division None of the given

#### **Question # 2 of 10 (Total Marks: 1)** Select correct option:

When \_\_\_\_\_ signal is high, this would correspond to a read operation equivalent to having an input data to the CPU and output from the memory REQUEST .

R/W (Page 350) COMPLETE REQUEST None of the given

Question # 3 of 10 (Total Marks: 1)Select correct option:Given an m-digit base b number x, theof x is  $xc = (bm - x) \mod bm$ 

Radix Compliment(Page 337)Diminished Radix ComplimentSigned Magnitude FormBiased Representation

**Question # 4 of 10 (Total Marks: 1)** Select correct option: For of an error we just need to know that there exists an error.

#### **Detection** (Page 328)

Correction Both Correction and Detection None of the given

Question # 5 of 10 (Total Marks: 1)Select correct option:In Double-Precision Binary Floating Representation the function is

23 bits **52 bits** (Page 348) 1 bits 1 bit

تم اچھا کر دزمانہ تم کوبر استج پہ اس سے بجتر ہے کہ تم بر اکر دادر زمانہ تم کو اچھا تھے

#### 

\_\_\_\_\_ is the simplest form for representing a signed ner

Based representation Diminshed Redex Complement Form Sign Magnitude Form (Page 336) None of the given

#### Question # 7 of 10 (Total Marks: 1) Select correct option:

In computers, floating-point representation uses\_\_\_\_\_\_ to encode significand, exponent and their sign in a single word Decimal Numbers
Binary Numbers
(Page 347)
Octal Numbers

Hexa decimal Numbers

افضل انسان وہ ہے جو اپنی اصلاح کی کوشش کرتا ہے

اپٹی مرضی اور اللہ کی مرضی میں فرق کانام غم ہے

اطمينان قلب چائے ہو توحسد سے دورر ہو

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# Some More New MCQ'S (Updated)

#### Question # 1 of 10 (Total Marks: 1) Select correct option:

Which one of the following registers store a previously calculated value or a value loaded from the main memory?

#### ► Accumulator <u>click here for detail</u>

- Address Mask
- Instruction Register
- Program Counter

#### Question # 2 of 10 (Total Marks: 1) Select correct option:

Which one of the following portions of an instruction represents the operation to be performed?

- Address
- Instruction code
- ► Opcode (Page 33)
- Operand

#### Question # 3 of 10 (Total Marks: 1) Select correct option:

\_\_\_\_\_ control signal enable the input to the PC for receiving a value that is currently on the internal processor bus.

#### ►LPC (Page 172)

- ► INC4
- ► LC
- Cout

**Question # 4 of 10 (Total Marks: 1)** Select correct option: What is the instruction length of the FALCON-E processor?

8 bits
16 bits
32 bits (Page 134)
64 bits

وہ لوگ مبارک بیں جو الفاظ سے تقبیحت نہیں کرتے بلکہ عمل سے کرتے ہیں

**Question # 5 of 10 (Total Marks: 1)** Select correct option: Which type of instructions enables mathematical computations? ► Arithmetic (Page 92) ► Control ► Data transfer ► None of the given Question # 6 of 10 (Total Marks: 1) Select correct option: What is the instruction length of the SRC and Falcon E processor? ► 8 bits  $\blacktriangleright$  16 bits ► 32 bits (Page 134)  $\blacktriangleright$  64 bits Question # 7 of 10 (Total Marks: 1) Select correct option: An instruction that specifies one operand in memory and one operand in a register would be known as a address instruction. > 2 - 1/2▶ 1-1/2 (Page 37) ▶0 ▶2 **Question # 8 of 10 (Total Marks: 1)** Select correct option: In floating point representations \_\_\_\_\_\_ is also called mantissa. ► Sign ► Base ► Significant (Page 347) ► Exponent Question # 9 of 10 (Total Marks: 1) Select correct option: What should be the behavior of interrupts during critical sections? ► Must remain disable (Page 197) ► Must remain Enable ► Can be either enable or disable ► only important interrupts be enable خداکے سواکسی سے امید مت رکھو

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## Question # 10 of 10 (Total Marks: 1) Select correct option:

Which one of the following is a binary cell capable of storing one bit of information?

- ► Decoder
- ► Flip-flop (Page 76)
- ► Multiplexer
- ▶ Diplexer

#### Question # 1 of 10 (Total Marks: 1) Select correct option:

Which type of instructions load data from memory into registers, or store data from registers into memory and transfer data between different kinds of special-purpose registers?

- ► Arithmetic
- ► Control
- **Data transfer** (Page 88)
- Floating point

#### Question # 2 of 10 (Total Marks: 1) Select correct option:

What does the RTL expression [M(1234)] means?

#### ► The contents of memory whose address is 1234.

Click here for detail

- ► The contents of data register 1234
- ► The effective address of register 1234
- ► The address of memory whose address is 1234.

#### Question # 3 of 10 (Total Marks: 1) Select correct option:

Which one of the following languages presents a simple, human-oriented language to specify the operations, register communication and timing of the steps that take place within a CPU to carry out higher level (user programmable) instructions?

- ► Assembly Language
- ► OOP(Object Oriented Language)
- ► RTL (Register Transfer Language) Click here for detail
- ► UML(Unified Modeling language)

## Question # 4 of 10 (Total Marks: 1) Select correct option:

Which one of the following instructions is used to load register from memory using a relative address?

la
lar
ldr (Page 145)
str

## Question # 5 of 10 (Total Marks: 1) Select correct option:

Taking control of the system bus for a few bus cycles is known as \_\_\_\_\_

- Bus Stealing
- Cycle Stealing (Page 317)
- ► Cycle Transfering
- ► None of given

## Question # 6 of 10 (Total Marks: 1) Select correct option:

In-----address mode, the actual data is stored in the instruction.

- ► Direct
- ► Indirect
- ► Immediate <u>click here for detail</u>
- ► Relative

#### **Question # 7 of 10 (Total Marks: 1)** Select correct option: Keyboard Interrupt (INT 9) is an example of ----- interrupt.

- ► Hardware <u>click here for detail</u>
- ► Software

## Question # 8 of 10 (Total Marks: 1) Select correct option:

A user program has to delete a file. The user program will be executing in the user mode. When it makes the specific system call to delete the file, an interrupt will be generated, this will cause the processor to halt its current activity and switch to supervisor mode. Once in supervisor mode, the operating system will delete the file and then control will return to the user program. This is an example of

- ► Hardware interrupt
- Software interrupt (Page 275)
- ► Exception
- ► All of the given

## Question # 9 of 10 (Total Marks: 1) Select correct option:

By which file extension does the FALCON-A Assembler loads a FALCON-A assembly file?

▶.asmfa (Page 8)

- ▶.org
- ►.exe
- ►.src

ہر کسی کی روٹی نہ کھا پلکہ ہر شخص کو ایٹ روٹی کھلا

## Question # 10 of 10 (Total Marks: 1) Select correct option:

All ------interrupts have priority over all ------interrupts

## ▶ internal, external (Page 279)

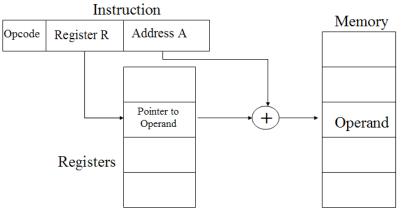
► external, internal

## Question # 1 of 10 (Total Marks: 1) Select correct option:

The ----- can also be used anywhere in the source file to force code at a particular address in the memory.

- ▶.end directive
- ►.start directive
- ►.label directive
- ►.org directive (Page 298)

## Question # 2 of 10 (Total Marks: 1) Select correct option:



In this figure, the constant value specified by the immediate field is added to the register value, and the resultant is the index of memory location that is referred i.e. Effective Address = A + (content of R). Identify the addressing mode.

## **Displacement** (Page 139)

- ► Immediate
- ► Indexed
- ► Relative

## Question # 3 of 10 (Total Marks: 1) Select correct option:

In which one of the following addressing modes, the operand does not specify an address but it is the actual data to be used.

- Direct
- ► Indirect
- Immediate <u>click here for detail</u>
- ► Relative

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## Question # 4 of 10 (Total Marks: 1) Select correct option:

When is the "Divide error interrupt|| generated?

- ▶ When an attempt is made to divide by decimal number
- ▶ When an attempt is made to multiply by zero
- ▶ When an attempt is made to divide by zero (Page 197)
- ► When negative number is stored in a register

## Question # 5 of 10 (Total Marks: 1) Select correct option:

Which one of the following is a term used to describe a storage systems' resilience to disk failure through the use of multiple disks and by the use of data distribution and correction techniques?

Interrupt handling

- Programmed I/O
- Polling
- ► RAID <u>click here for detail</u>

## Question # 6 of 10 (Total Marks: 1) Select correct option:

\_\_\_\_\_ is the time for first bit of the message to arrive at the receiver including delays.

- ► Transmission Time
- ► Latency
- Transport Latency
- ► Time of Flight (Page 388)

## Question # 7 of 10 (Total Marks: 1) Select correct option:

Falcon-A Simulator loads a FALCON-A binary file with a \_\_\_\_\_\_ extension and presents its contents into different areas of the simulator.

- ▶ .bin
- **b**.binfa (Page 5)
- ► .fa
- ► None of the given

## Question # 8 of 10 (Total Marks: 1) Select correct option:

In machines where instructions can be executed in parallel or out of order, two additional hazards can occur: WAW and ------

- ► None fo the given
- ► WAR
- ► RAW
- ► RAR

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## Question # 9 of 10 (Total Marks: 1) Select correct option:

For \_\_\_\_\_ of an error we just need to know that there exists an error.

- ► None of the given
- ► Correction
- ► Detection (Page 328)
- Both Correction and Detection

#### **Question # 10 of 10 (Total Marks: 1)** Select correct option:

Identify the type of serial communication error condition in which 0 is received instead of a stop bit (which is always a 1)?

#### ► Framing error (Page 240)

- ► Parity error
- Overrun error
- Under-run error

#### Question # 1 of 10 (Total Marks: 1) Select correct option:

\_\_\_\_\_ is/are defined as the number of instructions processed per second

#### ► Throughput (Page 203)

- ► Latency Time to process 1 request.
- ► Throughput and Latency
- ► None of the given

#### Question # 2 of 10 (Total Marks: 1) Select correct option: Reid Lavel is not a true member of the RAID family

Raid Level \_\_\_\_\_ is not a true member of the RAID family.

- ▶0 (Page 330)
- ▶2
- ▶3
- ▶4

#### Question # 3 of 10 (Total Marks: 1) Select correct option:

Which one of the following is an address (binary bit pattern) issued by CPU?

- ► Memory
- ► Effective (Page 39)
- ► Base
- Next instruction

ب حسی نصف موت ہے

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## Question # 4 of 10 (Total Marks: 1) Select correct option:

Which one the following interrupts is initiated with an INT instruction?

## ► Hardware

- Software <u>click here for detail</u>
- ► Both hardware and Software
- ► None of the given

## Question # 5 of 10 (Total Marks: 1) Select correct option:

An -----is a program that takes basic computer instructions and converts them into a pattern of bits that the computer's processor can use to perform its basic operations.

## ► Assembler <u>click here for detail</u>

- Debugger
- ► Editor
- ► Console

يہلے وقتوں میں تعليم كم تھى اور علم زيادہ، آج كل علم كم ہے اور تعليم زيادہ

بہادر آدمی ایک مرتبہ جبکہ بزدل آدمی کی مرتبہ مرتاب

اچھائی کرنے کے لئے ہمیشہ کسی بہانے کی تلاش میں رہو

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