Assignment 7

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) Which of the following is true?
- Registers of the form xer are general purpose register
- All instructions, such as add can work on xer register
- Registers of the form xer are control registers
- Page directory base register is stored in xer.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Registers of the form xer are general purpose register.
Page directory base register is stored in xer.

2) Which of the following is NOT true?
- kmapalloc() allocates the kernel page directory and switches to it.
- satup_km() allocates the kernel page directory.
- kmap structure stores the kernel page directory.
- pgdir structure stores the kernel page directory.

No, the answer is incorrect.
Score: 0
Accepted Answers:
kmap structure stores the kernel page directory.

3) Which of the following are tasks of the function walkpidfil()
- It returns a pointer to an entry in the page directory corresponding to the address passed.
- It returns a pointer to an entry in the page table corresponding to the address passed.
- It allocates memory for a page table, if necessary.

No, the answer is incorrect.
Score: 0
Accepted Answers:
It returns a pointer to an entry in the page table corresponding to the address passed.
It allocates memory for a page table, if necessary.

4) Choose the correct ones among the following options
- xfr has support for segmentation.
- xfr has support for a singular level page table system.
- xfr works with PVM/STOP amount of memory and the rest, if any goes unused.

No, the answer is incorrect.
Score: 0
Accepted Answers:
xfr works with PVM/STOP amount of memory and the rest, if any goes unused.

5) Which of the following is true about the behaviour of page directory on interrupts?
- xfr register is changed by hardware when interrupt occurs.
- xfr register is changed by OES when interrupt occurs.
- xfr register is not changed on interrupts.
- Each process has entries corresponding to kernel in their page directory.

No, the answer is incorrect.
Score: 0
Accepted Answers:
xfr register is not changed on interrupts.
Each process has entries corresponding to kernel in their page directory.

6) Which of the following are properties of microkernel?
- Extensibility
- Portability
- Reliability
- Uniform interface
- Performance

No, the answer is incorrect.
Score: 0
Accepted Answers:
Extensibility
Reliability
Uniform interface

7) Choose the correct ones in the context of trap symbol
- Trap is a privileged instruction.
- Trap is an OES function.
- trap puts back the saved registers placed on stack by hardware during trap.
- trap and ret can be used interchangeably by OES.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Trap is an OES function.
Trap puts back the saved registers placed on stack by hardware during trap.