

UNIT V QUESTION BANK

- 1 Explain debugging process of core dumps with respect to Linux O.S.
- 2 How GDB is used in Embedded Environment? Explain in detail.
- 3 Explain various commands available with GDB.
- 4 What is job of debugger? Explain GNU Debugger and its features.
- 5 What is the job of Tracing and Profiling tools? Explain various profiling tools in brief.
- 6 Write short note on :
 - 1) Data Display Debugger
 - 2) cbrowser/cscope
 - 3) strace, ltrace, mtrace
 - 4) ps and top
- 7 Explain SSH tool and its features.
- 8 How SSH is useful for embedded devices? Explain with diagram.
- 9 Which are various kernel debugging techniques?
- 10 How to debug kernel using KGDB?
- 11 How to debug kernel using JTAG probe? Or Explain hardware assisted kernel debugging.
- 12 How embedded applications are debugged using gdbserver?
- 13 Which are the various Embedded Graphics and multimedia tools available?
- 14 Explain with diagram working of stepper motor in full step and half step.
- 15 How stepper motor is interfaced with beagle bone black board? Explain with setup diagram.
- 16 Write short note on cbrowser/cscope
- 17 Describe Hardware Assisted Debugging (JTAG probe)
- 18 Explain any four binary utilities
- 19 Show remote debugging using gdbserver.
- 20 Sketch transformation of memory data to display.

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