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SVIS 306 A-15
B.Sc. VIth Semester Degree Examination
Electronics
(Instrumentation and Microcontroller)
Paper - 6.2

Time : 3 Hours

Maximum Marks : 80

Instructions to candidates:

1. Answer all the questions from section -A
2. Answer any five questions from section -B and four from Section - C

Section - A

1. Choose the correct answer

(1×5=5)

- i) Thermister is a ----- temperature co-efficient
 - a) Positive
 - b) Negative
 - c) Both (a) & (b)
 - d) None
- ii) Most pressure measuring devices use --- for sensing pressure at the primary stage.
 - a) Elastic
 - b) Paper
 - c) Metal
 - d) None
- iii) A high pass filter has a time constant of T, its gain at a frequency ω is
 - a) $\sqrt{1+(\omega T)^2}$
 - b) $\frac{1}{\sqrt{1+(\omega T)^2}}$
 - c) $\frac{\omega T}{\sqrt{1+\omega^2 T^2}}$
 - d) all above
- iv) The size of a stack pointer register is --- bits
 - a) 4
 - b) 8
 - c) 16
 - d) 32
- v) ADC 0808 chip has----- analog i/p channal

