rgpvonline.com What is RTOS semaphores, describe. What are the ways to protect shared data with respect to RTOS? Explain the Timer function in RTOS, with example. Explain the memory management with respect to RTOS. 8 Explain different types of memory mapping. 6 Write short notes on: USART ii) AIC (Advanced Interrupt Controller) *****

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Explain in detail with suitable example.