Assignment 1

P. Sai Teja

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**The case of uncoded scheme**

**The case of repetition coding scheme**

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**Inference:**

From the above results, the coding scheme with repetition of 7 has better error correcting capacity than the code with repetition 3 which is expected.

**The case of single error correcting scheme**

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**The case of double error correcting scheme**

**References: -**

Gomes, J., Mishra, B. (2011). A new double error correcting long code for 100% correction. In: Pise, S.J. (eds) Thinkquest~2010. Springer, New Delhi. https://doi.org/10.1007/978-81-8489-989-4\_47