**Ge**nerating **lo**ng **an**d **co**herent **te**xt **is** **an** **im**portant **bu**t **ch**allenging **ta**sk, **pa**rticularly **fo**r **op**en-ended **la**nguage **ge**neration **ta**sks **su**ch **as** **st**ory **ge**neration. **De**spite **th**e **su**ccess **in** **mo**deling **in**tra-sentence **co**herence, **ex**isting **ge**neration **mo**dels **(e**.g., **BA**RT) **st**ill **st**ruggle **to** **ma**intain **a** **co**herent **ev**ent **se**quence **th**roughout **th**e **ge**nerated **te**xt. **We** **co**njecture **th**at **th**is **is** **be**cause **of** **th**e **di**fficulty **fo**r **th**e **de**coder **to** **ca**pture **th**e **hi**gh-level **se**mantics **an**d **di**scourse **st**ructures **in** **th**e **co**ntext **be**yond **to**ken-level **co**-occurrence. **In** **th**is **pa**per, **we** **pr**opose **a** **lo**ng **te**xt **ge**neration **mo**del, **wh**ich **ca**n **re**present **th**e **pr**efix **se**ntences **at** **se**ntence **le**vel **an**d **di**scourse **le**vel **in** **th**e **de**coding **pr**ocess. **To** **th**is **en**d, **we** **pr**opose **tw**o **pr**etraining **ob**jectives **to** **le**arn **th**e **re**presentations **by** **pr**edicting **in**ter-sentence **se**mantic **si**milarity **an**d **di**stinguishing **be**tween **no**rmal **an**d **sh**uffled **se**ntence **or**ders. **Ex**tensive **ex**periments **sh**ow **th**at **ou**r **mo**del **ca**n **ge**nerate **mo**re **co**herent **te**xts **th**an **st**ate-of-the-art **ba**selines.