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In [15]: import spacy
     import random
     ##Load spacy Model
     ## Load the english model from spacy
     nlp=spacy.load("en_core_web_sm")
     ## process the text chapter using spacy
     def mca_qn(chapter:str,num_questions:int):
         doc=nlp(chapter)
         ## Define a mcq generation function
         def generate_mcq(question,correct_answers,other_options,num_options=4):
                 options=correct_answers+other_options
                 random.shuffle(options)
                 mcq={
                    "question":question,
                    "options":options,
                    "correct_answers":correct_answers
                 return mcq
         ## Create the questions
         def generate_questions():
            ## randomly select the sentence from content
            sentence=random.choice(list(doc.sents))
            ## randomly get a non_pronounciation words from sentence as blank word
            blank_word= random.choice([token for token in sentence if not token.is_punct])
            ## replace the blank word to _
            qn_text=sentence.text.replace(blank_word.text,"____")
            correct_answers=[blank_word.text]
            ## other possible answers
            other_options=[token.text for token in doc if token .is_alpha and token.text !=correct_answers[0]]
            ## Generate one or two correct options
            num_correct_options=random.randint(1,2)
            correct_answers.extend(random.sample(other_options, num_correct_options))
             ## incorrect answers
            num_other_options=min(4-num_correct_options,len(other_options))
            other_options=random.sample(other_options, num_other_options)
            mcq=generate_mcq(qn_text,correct_answers,other_options)
            return mcq
         questions=[generate_questions() for _ in range(num_questions)]
         ### format questions, options and correct_answers into strings
         ## create a empty list to store the questions
         mca_questions=[]
         for i, question in enumerate(questions, start=1):
             ## create a string for question no and text
             question_str= f"Q{i}: {question['question']}\n"
             options_str=""
             ## create a option str to store an option
             for j, option in enumerate(question["options"]):
                  options_str+=f"{j+1}.{option}\n"
             correct_options_formatted = " & ".join([f"({chr(97+question['options'].index(ans))})" for ans in question['correct_answers']])
             correct_options_str = f"Correct Options: {correct_options_formatted}"
             mca_question = f"{question_str}{options_str}\n{correct_options_str}\n"
             mca_questions.append(mca_question)
         return mca_questions
     # User input for the paragraph and number of questions
     chapter = input("Enter the paragraph: ")
     num_questions = int(input("Enter the number of questions: "))
     # Generate MCQs and print each question along with options and correct answers
     mca_questions = mca_qn(chapter, num_questions)
     for question in mca_questions:
         print(question)
     Enter the paragraph: On 12 August 1765, the Mughal emperor appointed the East India Company as the Diwan of Bengal. The actual event most probably took place in Robert Clive's ten
     t, with a few Englishmen and Indians as witnesses. But in the painting above, the event is shown as a majestic occasion, taking place in a grand setting. The painter was commission
     ed by Clive to record the memorable events in Clive's life. The grant of Diwani clearly was one such event in British imagination. As Diwan , the Company became the chief financial
     administrator of the territory under its control. Now it had to think of administering the land and or anising its revenue resources. This had to be done in a way that could yield e
     nough revenue to meet the growing expenses of the company. A rading company had also to ensure that it could buy the products it needed and sell what it wanted. Over the years, the
     Company also learnt that it had to move with some caution. Being an alien power, it needed to pacify those who in the past had ruled the countryside, and enjoyed authority and pres
     tige. Those who had held local power had to be controlled but they could not be entirely eliminated. How was this to be done? In this chapter we will see how the Company came to co
     lonise the countryside, organise revenue resources, redefine the rights of people, and produce the crops it wanted.
     Enter the number of questions: 5
     Q1: Those who had held local power had to be _____ but they could not be entirely eliminated.
     1.above
     2.controlled
     3.appointed
     4.commissioned
     5.In
     Correct Options: (b) & (c) & (d)
     Q2: The grant of Diwani clearly was one such event _____ British imag____ation.

painting

     2.to
     3.under
     4.in
     5.those
     Correct Options: (d) & (a)
     Q3: The painter was commissioned by Clive to record the memorable events in Clive_____ life.
     1.held
     2.emperor
     3.'s
     4.this
     5.colonise
     Correct Options: (c) & (b)
     Q4: Those _____ had held local power had to be controlled but they could not be entirely eliminated.
     1.and
     2.to
     3.to
     4.to
     5.who
     Correct Options: (e) & (b) & (a)
     Q5: Those who had held local power had to be controlled but they could _____ be entirely eliminated.
     1.probably
     2.not
     3.it
     4.administering
     5.the
     Correct Options: (b) & (c)
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Conclusion

In []: This program uses Spacy to generate multiple-choice questions with multiple correct answers from a given paragraph, making it a powerful tool for creating engaging assessments.