SEQUENCE DIAGRAM – QUIZ (QUESTION GENERATION)

USER	ANDROID APP	TOMCAT SERVLET	DATABASE

Submit Quiz Request → ANDROID APP

validateStudentInCourse()

alt — IF Student Not In Course
- notifyStudentNotInCourse()
- Display Student Not In Course Toast

sendQuizRequest() → TOMCAT SERVLET

validateStudentToken()

alt — IF Not Valid Student Token
- logInvalidTokenIncident()
- requestForceLogout()
- retrieveCourseStudentList()
- returnCourseStudentList()

forceLogout()

Inform User of Forced Logout

alt — IF Student Not In Course
- recordStudentNotInCourseError()
- returnStudentNotInCourseError()
- returnStudentNotInCourseError()
- Display Student Not In Course Error

retrieveValidQuizQuestionTemplates()

returnValidQuizQuestionTemplates()

loop — For Each Question To Be Created
- generateQandABasedOnTemplate()

generateQuizID()

recordStudentQuiz()

returnQuizIDQuestionsandOptions()

Display Quiz with Questions and Options