جامعة المنوفية

كلية الهندسة الالكترونية بمنوف

قسم :- هندسه الالكترونات والاتصالات الكهربيه          أسم المادة :- نظم الاتصالات المتحركه

الفرقة :- ثالثه                                             زمن الامتحان :- ساعه

تاريخ الامتحان: 31/3/2019

امتحان الفصل الدراسي الثانى

*Answer the following Questions :* _____

*Question 1 :(10 degrees)*

*A1. Draw the block diagram of GSM Transmitter and explain each stage?*     *(5 degrees)*

*A2. What are the channel problems and how to solve these problems?*         *(5 degrees)*

*Question 2 :(10 degrees)*

*B1. Calculate duplex distance, bandwidth and radio channels for GSM 1800 where uplink and downlink frequencies are (1710-1785MHz) and (1805-1880MHz), respectively?*
                                                                           *(5 degrees)*

*B2. Why have the developments in phases in GSM occurred?*                  *(5 degrees)*

*Question 3: (10 degrees)*

*C1. Calculate the value of weights in Mode 1 and Mode 2 of 3GPP system?*  *(5 degrees)*

*C2. Why are diversity and AAA used?*                                      *(5 degrees)*

*Question 4: (10 degrees)*

*D1. Why Mobile generations are developed?*                                *(5 degrees)*

*D2. What are the main criteria for engineering any cellular system?*      *(5 degrees)*

*Best Regards*

*Prof. Mona Shokair*