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**BLG 632E**

**NEXT GENERATION**

**WIRELESS NETWORKS**

CRN: 23552

INSTRUCTOR: IRFAN ALI

**ASSIGNMENT #2**

Date: 03.03.2017

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STUDENT NUMBER: 504161551

1)

*Write down the IMSI of the UE?*

IMSI of the UE : **325912900111225**

*Assuming that the MCC is 3 digits long and MNC is also 3 digits long, what is the PLMN-ID of the operator of the UE?*

|  |  |  |
| --- | --- | --- |
| **325** | **912** | 900111225 |
| MCC | MNC | MSIN |
| PLMN-ID | |  |

*What is the value of id-eNB-UE-S1AP-ID set by the eNB in Packet#1?*

The value of id-eNB-UE-S1AP-ID set by the eNB in Packet#1 is **1001**

*What is the value of id-MME-UE-S1AP-ID set by the MME in Packet#186?*

The value of id-MME-UE-S1AP-ID set by the MME in Packet#3 is **1**

**2)**

**a)**

In Packet **2487**,

Type of ciphering algorithm: EPS encryption algorithm **EEA0** (null ciphering algorithm) (0)

Type of integrity protection algorithm: EPS integrity algorithm **128-EIA2** (2)

**b)**

In packet **2496**,

encryptionAlgorithms: c000 [bit length 16, 1100 0000 0000 0000 decimal value 49152]

integrityProtectionAlgorithms: c000 [bit length 16, 1100 0000 0000 0000 decimal value 49152]

**c)**

In packet **2496**,

EPS bearer identity: EPS bearer identity value **5** (5)