

**B. Tech. Sem - VIII (Inf. Tech.) (2014 COURSE) (CBCS) :**  
**SUMMER - 2019**  
**SUBJECT: MOBILE COMPUTING**

Day: Tuesday  
Date: 28/05/2019

Time: 02.30 PM TO 05.30 PM  
Max Marks : 60

**S-2019-2910**

**N.B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data, if necessary.

- 
- Q.1** Elaborate the protocols used in the wireless mode of communication. **(10)**  
**OR**
- Q.1** What is the difference between FDMA and TDMA? **(10)**
- Q.2** Explain the process of allotment of IP for wireless device (Mobile) using static and dynamic mode. **(10)**  
**OR**
- Q.2** How does the wireless connectivity secured in case of a ZigBee mode of communication? **(10)**
- Q.3** Explain the involvement of BS, MSC during a process of SMS communication. **(10)**  
**OR**
- Q.3** Explain the structure and functioning of GPRS in detail. **(10)**
- Q.4** Explain the functioning of broadcast models used for mobile communication. **(10)**  
**OR**
- Q.4** Explain the asymmetric communication in detail. **(10)**
- Q.5** Compare structure of iOS with android (based on computing functionality). **(10)**  
**OR**
- Q.5** What is the role of an Operating System used in a Mobile? **(10)**
- Q.6** Write down the code snippet (for core part only) for login and registration app for android platform. **(10)**  
**OR**
- Q.6** Depict the harm of allowing app to access data from mobile. **(10)**

\* \* \* \*