B. TECH. (CBCS - 2014 COURSE) SEM - VIII (INF. TECH.) :
SUMMER - 2018
SUBJECT: MOBILE COMPUTING

Day: **Thursday** | **S-2018-4690** | Time: **02.30 PM TO 05.30 PM**
Date: **07/06/2018** | Max Marks : 60

N.B. :
1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data, if necessary.
4) Draw neat and labeled diagrams wherever necessary.

Q.1 Explain principles of Mobile Computing. **(10)**

OR

Q.1 Explain FDMA in detail. **(10)**

Q.2 How does splitting of Mobile cells take place? Explain process of cell splitting. **(10)**

OR

Q.2 How to calculate length of an antenna required for mobile communication. **(10)**

Q.3 Explain the process of calling in detail. **(10)**

OR

Q.3 How the process of channel allocation takes place? **(10)**

Q.4 Explain synchronization of mobile devices in detail. **(10)**

OR

Q.4 What are different selective tuning and indexing techniques? **(10)**

Q.5 What is notable change in the structure of kernel used in the operating system of Mobile? **(10)**

OR

Q.5 How to impart security for data in a mobile? **(10)**

Q.6 Explain the environment set up required for executing simple program on a mobile with Android operating system. **(10)**

OR

Q.6 Write a program to add two numbers using objective 'C'. **(10)**

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