



International Institute of Health Management Research (IIHMR),
New Delhi.
Plot 3, Sector 18A Dwarka New Delhi 110075

**Postgraduate Diploma in Management
(Hospital and Health)
October 2021**

**First Semester
CC 616 Introduction to Health Information Management**

Time: 2 hours

Maximum Marks: 70

Note:

1. All answers to be written in the portal itself

Answer all questions

1. A family was travelling from Delhi to Manali by a cab. On the way after crossing Mandi heavy rain started pouring down. This resulted in lot of landslides on the road. The traffic stalled. There was no street lights except the headlights of the cars and other vehicles standing on the road. Meanwhile the family of 6 had a pregnant women of 9 months and an elderly person of 90 years old. The elderly patient is asthmatic and also has undergone bypass surgery. Due heavy rain and increase in chillness the elderly person started having breathing problems. Among the 50 cars standing in the hill road one can hope there may be a doctor available for providing first aid. The women started having labour pains. Since the road is blocked ambulance cannot come.

Considering the above scenario in the current digital age how will you help both the woman and the elderly gentleman to get medical aid under such a situation **(20 marks)**

2. The telemedicine applications are generally divided into four groups, that include:
- i. Tele-consultation that can happen through various means such as telephone, E-mail, or video conferencing;
 - ii. Tele-education ;
 - iii. Medical emergency and assistance to victims; and
 - iv. Tele-surgery

Using the above 4 device a Telemedicine architecture for providing healthcare to Naval Personals **(25 marks)**

3. The normal workflow of a patient is to walk into the hospital and talk to the receptionist. She/he explains her issues. The receptionist gives her a token and she is sent to the sit outside the doctors room. The nurse collects the vitals, enters them and takes the file to the doctor. The patient is given first aid if needed. Then if the patient is an emergency case the on duty doctor (ER) is called for, else the patient is seen by the IPD doctors as per the token number.

The doctor checks the patient and prescribes medicine and test. If there are tests to be conducted, the patient visits the lab. If there are medicines to be purchased the patient visits the pharmacy. Initially when the patient is given a token to meet the doctor he or she should pay a nominal fee. Only after the complete consulting fee is paid the patient gets the prescription. Similarly for the tests and medicines payment are collected by the lab before the test results and by the pharmacy before dispensing the medicine. The patient needs to revisit the doctor with lab tests to get the final medicines prescribed.

Modify the above workflow through use of digital technology wherever possible with proper reasons to do so. **(25 marks)**