

**M.H.A. SEM-IV (2012 COURSE) (CHOICE BASED CREDIT
SYSTEMS) : WINTER - 2017**
SUBJECT: INFORMATION TECHNOLOGY FOR HOSPITAL MANAGEMENT

Day : **Thursday** Time : **02.00 PM TO 05.00 PM**
Date : **16/11/2017** **W-2017-1044** Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer book.
 - 4) Draw neat diagrams **WHEREVER** necessary.
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SECTION-I

Q.1 Answer any **TWO** of the following: **(14)**

- a) What is a document? List any five documents used for system development and describe the contents of any one.
- b) Explain what CDSS is and where it can add value in hospital management.
- c) Clearly distinguish between Transaction Processing System, Management Information System and Decision Support System. Give one application area in hospital functioning where each of these systems are used.

Q.2 Write short notes on any **FOUR** of the following: **(16)**

- a) Expert systems
- b) HIPAA
- c) Use of AI in medicine
- d) ICD-10
- e) HL7

SECTION-II

Q.3 Answer any **TWO** of the following: **(14)**

- a) Discuss the various components of Pharmacy information module.
- b) Discuss the applications of IT in improving the efficiency of scheduling surgeries.
- c) Waiting time in OPDs of hospitals are a cause for concern. Clearly explain whether or not use of IT can help in reducing waiting time.

Q.4 **Case Study:** A 300-bedded multispecialty hospital intends to set up Laboratory Information System to improve the overall efficiency of the hospital. Discuss the various aspect that you will consider for setting up the system. Describe the hardware and software components that you will need for the system. **(16)**

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