

**MANIPAL UNIVERSITY****THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2016****SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT  
(CBS-2011/2013 SCHEME)**

Saturday, January 02, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

**Answer ALL the questions.**

1. Discuss the impact of liberalization in the achievement of health for all by 2020?  
(10 marks)
2. Discuss the current Public health information system in India. What are the challenges faced in its implementation?  
(6+6 = 12 marks)
3. Why India is considered an ideal outsourcing industry? What are the challenges facing the Indian BPO/ KPO industry.  
(5+5 = 10 marks)
4. Discuss the expanding role of HIM professional in current health care services in India.  
(8 marks)
5. Discuss the importance of financial management and cost containment in the context of Indian Hospitals?  
(10 marks)
6. **Write short notes on the following:**
  - 6A. Importance of HIM Professionals in disaster management
  - 6B. Role of CBHI in poverty alleviation
  - 6C. Impact of accreditation in medical tourism industry
  - 6D. Basic principles of medical ethics–Role of HIM professionals
  - 6E. Bottleneck for the growth of telemedicine in India

(6 marks × 5 = 30 marks)



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## MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2016

SUBJECT: MHI 711 – CODING FOR HEALTH INSURANCE  
( CBS 2011/2013 SCHEME)

Tuesday, January 05, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions:**

1. **Answer the following questions:**

1A. List the chapters of ICD-9-CM and write the coding guidelines for complications in post partum and peripartum periods and HIV infection in pregnancy.

(3+6+6 = 15 marks)

1B. Draw a decision table and discuss the relationship between ICD-9-CM and CPT. Illustrate with a case.

(15 marks)

1C. Write about 'Medicare & Medicare' programs of US with its features.

(10 marks)

1D. What is SNDO? Write in detail about it.

(10 marks)

2. **Write short notes on:**

2A. AHIMA

2B. Nature of presenting problems

2C. Time as in CPT

2D. Deductible

2E. Prior authorization

2F. Coordination of benefits

2G. Community rating

2H. Jacques Bertillon

2I. Necessary treatment

2J. Medical Underwriting

(2 marks × 10 = 20 marks)

3. **Define the following Health insurance terminologies:**

3A. Out-of-pocket maximum

3B. Grievance

3C. Coinsurance

- 3D. Explanation of benefits
- 3E. Ambulatory care
- 3F. Premium
- 3G. Ancillary service
- 3H. Code
- 3I. Appeal
- 3J. Assignment of Benefits

(1 mark × 10 = 10 marks)



## MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2016

SUBJECT: MHI 705/MHI 707: HEALTH ECONOMICS & ACCOUNTANCY  
(2011/2013 SCHEME)

Thursday, January 07, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

- ✍ Answer all the Questions.
- ✍ Answer Both Section 'A' and Section 'B' in Two Separate Answer Books.

### SECTION – A: HEALTH ECONOMICS: 40 MARKS

- 1A. What is cost benefit analysis?  
 1B. State and explain the law of demand.  
 1C. Distinguish between gross profit and net profit.  
 1D. What are Giffen goods?
- (5 marks × 4 = 20 marks)
- 2A. What is inflation? Explain the causes of inflation.
- (2+8 = 10 marks)
- 2B. Define price elasticity. Explain the various degrees of price elasticity of demand.
- (2+8 = 10 marks)

### SECTION – B: ACCOUNTANCY: 40 MARKS

1. Answer the following questions:
- 1A. What do you mean by 'Two column cash book'?
- 1B. What do you mean by credit transaction? Give an example.
- 1C. What is a bank reconciliation statement?
- 1D. Give the meaning of Single entry system of book-keeping.
- 1E. What are nominal accounts? What is its rule of debit and credit?
- (2 marks × 5 = 10 marks)
2. Answer ANY TWO of the following:
- 2A. Enter the following transactions in a two column cash book:
- | 2013  | ₹        |
|---|----------|
| July 1 Commenced business with cash                           | 35,000/- |
| July 2 Paid in to bank  | 20,000/- |
| July 5 Sold goods for cash                                    | 1,000/-  |
| July 8 Sold goods for cash                                    | 1,000/-  |
| July 9 Purchased goods on credit from Ravi                    | 900/-    |
| July 12 Paid Ravi, the amount due to him                      |          |
| July 15 Received a cheque from Surendra for goods sold to him | 1,000/-  |
| July 16 Deposited Surendra's cheque in to bank                |          |
| July 17 Sunil paid direct in to our bank account              | 900/-    |

July 20 Received a cheque from Surendra and deposited the same into the bank	1,500/-
July 21 Purchased office furniture from Royal furniture and paid the same by cheque	1,000/-
July 24 Sold goods to Vijay on credit	10,000/-
July 28 Received a cheque from Vijay for ₹ 9,500 in full settlement of account	
July 31 Drew a cheque for personal use	500/-
July 31 Drew a cheque for office use	1,000/-

2B. Prepare a Bank Reconciliation Statement from the following particulars as on 31.12.2011.

- On 31<sup>st</sup> Dec, the cash book of a firm showed a bank balance of ₹ 6,000 (Debit Balance)
- Cheques had been issued for ₹ 5,000, out of which cheques worth ₹ 4,000 only were presented for payment.
- Cheques worth ₹ 1,400 were deposited in the bank on 28<sup>th</sup> Dec, but had not been credited by the bank. In addition to this, one cheque for ₹ 500/- was entered in the cash book on 30<sup>st</sup> Dec, but was banked on 3<sup>rd</sup> January.
- A cheque from Suhan for ₹ 400/- was deposited in the bank on 26<sup>th</sup> Dec, but was dishonoured and advice was received on 2<sup>nd</sup> Jan.
- Pass book showed bank charges of ₹ 20/- debited by the bank.
- One of the Debtors deposited a sum of ₹ 500/- in the bank account of the firm on 20<sup>th</sup> Dec, but the intimation in this respect was received from the bank on 2<sup>nd</sup> Jan.
- Bank pass book showed a credit balance of ₹ 5,180/- on 31<sup>st</sup> Dec 2011.

2C. Enter the following transactions in the book of Sunil.

2014

Feb 1 Sunil commenced business with:	₹
Furniture:	10,000/-
Machinery:	10,000/-
Goods:	40,000/-
Cash:	12,000/-
Feb 2 Purchased goods from Shaha :	30,000/-
Feb 4 Sold goods for cash :	15,000/-
Feb 7 Purchased goods from Shaha for cash:	10,000/-
Feb 10 Cash deposited in bank :	3,000/-
Feb 13 Sold goods on credit to Manoj:	17,000/-
Feb 14 Paid for postage:	250/-
Feb 15 Sold goods for cash :	5,000/-
Feb 18 Cash received from Manoj :	17,000/-
Feb 20 Cash paid to Shaha:	10,000/-

Pass Journal entries.

(15 marks × 2 = 30 marks)



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## MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2016

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT  
(2011/2013 SCHEME)

Monday, January 11, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. What are the different factor influencing service designs? Discuss the market discussion of service design using Groove's mix model.  
(5+5 = 10 marks)
2. Discuss in detail the different steps of management illustrate with examples.  
(10 marks)
3. "Dependent demand in useful to service provider". Justify this statement in the context of hospital.  
(2+8 = 10 marks)
4. Discuss briefly the ten decision areas for an operation manger.  
(10 marks)
5. Discuss the best approach for developing an integrated supply chain.  
(10 marks)
6. **Write short notes on:**
  - 6A. Role of hospital administrator
  - 6B. ABC analysis
  - 6C. Just in time philosophy
  - 6D. Capacity constraints
  - 6E. Problem solving process

(6 marks × 5 = 30 marks)



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## MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT  
(CBS - 2013 SCHEME)

Wednesday, June 15, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. What are the challenges to human resource management in medical records department of Indian hospitals? Discuss.  
(15 marks)
2. Discuss the strategies for the successful implementation of e-health applications.  
(10 marks)
3. What are the reasons for choosing India as a medical tourism destination? Discuss the specific problems facing the Indian health care tourism industry.  
(5+10 = 15 marks)
4. Discuss the expanding role of HIM professional in current health care services in India.  
(10 marks)
5. **Write short notes on:**
  - 5A. Bottleneck for the growth of telemedicine in India.
  - 5B. Importance of IRDA in health insurance industry.
  - 5C. Role of Joint Commission International in patient safety.
  - 5D. Challenges in the disaster management for HIM professionals.
  - 5E. Accreditation and the role of NABH.

(6 marks × 5 = 30 marks)



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**MANIPAL UNIVERSITY**

**THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016**

**SUBJECT: MHI 711 – CODING FOR HEALTH INSURANCE  
(CBS - 2013 SCHEME)**

Friday, June 17, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions:**

1. What is classification of diseases? Write the early history of classification and adoption of list of causes of death.  
(1+4+5 = 10 marks)
2. What is the purpose of ICD 9 CM? With suitable examples write the coding guidelines for coding HIV.  
(1+9 = 10 marks)
3. With the help of WHO report, discuss the breadth depth and height of community health insurance schemes in India.  
(5+5+5 = 15 marks)
4. Which are types of fraud and abuse in health insurance claims? What is the scope of ICD 9 CM claims process? Discuss  
(10+5 = 15 marks)

5. **Write short notes on:**

- 5A. Risk pooling
- 5B. Types of history taking
- 5C. Medicare
- 5D. Prior authorization
- 5E. Non-cancellable policy

(4 marks × 5 = 20 marks)

6. Solve the given problem

Sum Assured	₹ 1,50,000
co - insurance clause	80/20 up to ₹ 50,000
Annual deductible	₹ 2000
hospital bill of Mr.XYZ for the year 2012	
January	₹ 12,550
March	₹ 65,500
October	₹ 12,450
December (includes co pay ₹ 5500/-)	₹ 84,000

Calculate the amount of money insurance company will pay and also the out-of-pocket expense by the client.

(10 marks)





**MANIPAL UNIVERSITY****THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016****SUBJECT: MHI 705/MHI 707: HEALTH ECONOMICS & ACCOUNTANCY  
(CBS - 2013 SCHEME)**

Monday, June 20, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

- ✍ **Answer all the Questions.**  
✍ **Answer Both Section 'A' and Section 'B' in Two Separate Answer Books.**

**SECTION – A: HEALTH ECONOMICS: 40 MARKS**

- 1A. What is marginal productivity?  
1B. Define Health Policy?  
1C. Distinguish perfect competition and monopoly.  
1D. State and explain the law of demand.

(5 marks × 4 = 20 marks)

- 2A. Explain the role of Health sector in an economy.  
2B. Critically examine the Keynesian theory of employment.

(10 marks × 2 = 20 marks)

**SECTION – B: ACCOUNTANCY: 40 MARKS****1. Answer the following questions:**

- 1A. Distinguish between a Journal and a Ledger.  
1B. Give the meaning of:  
i) Entry      ii) Narration      iii) L.F.      iv) Account  
1C. Define book keeping. State any two objectives of book keeping.  
1D. What is Bank reconciliation statement?  
1E. Mention the different types of cash books.

(2 marks × 5 = 10 marks)

**2. Answer Any TWO of the following:**

- 2A. Enter the following transactions in the purchase book of Mr.Kiran  
2012 Jan 1 Bought from Nandan Bangalore 100 bags of rice @ ₹ 80 per bag  
Jan 2 Bought from Mysore sugar mills Ltd 20 bags of sugar @ ₹ 200 per Bag  
Jan 5 Bought from Nilgiri Tea Company 10 cases of tea @ ₹ 100 per case  
Jan 6 Bought from Canara Stores Mangalore  
100 bags of rice @ ₹ 100 per bag  
50 bags of wheat @ ₹ 400 per bag  
200 bags of sugar @ ₹ 200 per bag  
Less: Trade discount 20%

Jan 10 Bought from Salam stores  
 100 bags of rice @ ₹ 90 per bag.  
 100 bags of cotton @ ₹ 300 per bag  
 Jan 20 Bought from Delhi stores  
 200 bags of rice @ ₹ 100 per bag  
 Less: Trade discount 15%.

2B. Enter the following transactions in a two column cash book:

2013

Nov 1 Opening balance of cash ₹ 3,000  
 Nov 2 Received from Raj ₹ 1,500 and allowed discount ₹ 50  
 Nov 4 Paid to Mr.X ₹ 500 in full settlement of his account ₹ 550  
 Nov 5 Sold goods for cash ₹ 1,600  
 Nov 8 Bought goods for cash ₹ 200  
 Nov 9 Paid Vijay ₹ 200  
 Nov 12 Bought office furniture for cash ₹ 225  
 Nov 15 Received commission ₹ 500  
 Nov 16 Received interest ₹ 300  
 Nov 19 Paid for advertisement ₹ 150  
 Nov 22 Received from Ram ₹ 700 and allowed him discount ₹ 50  
 Nov 26 Withdrew cash for personal use ₹ 500  
 Nov 30 Paid office rent ₹ 800 and salaries ₹ 500

2C. Ms. Prathibha started business with the following on 01/01/13

	₹
Cash	5,000
Furniture	3,000
Amount due from Shivaram	1,000
Amount due to Supreeth	1,000
Goods	3,000

His transactions during the month were as follows:

Jan 2 Purchased goods from Nandana	3,500
Jan 3 Sold goods to Tarana	5,000
Jan 5 Introduced fresh capital	10,000
Jan 10 Paid Nandana on account	2,000
Jan 15 Received from Tarana on account	3,000
Jan 18 Withdrew cash for personal use	500
Jan 25 Sold goods to Udaya subject to 5% trade discount	3,000
Jan 31 Paid wages to workers	500

Pass Journal Entries and prepare cash account and capital account in the books of Prathibha.

(15 marks × 2 = 30 marks)



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## MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT  
(CBS - 2013 SCHEME)

Wednesday, June 22, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. Describe the components of operation strategic management.  
(10 marks)
2. Explain in detail the characteristics of a service process design.  
(10 marks)
3. What is inventory management? Enlist the pressures for low and high inventories.  
(2+4+4 = 10 marks)
4. What is capacity planning? What are the two ways of measuring capacity?  
(5+5 = 10 marks)
5. Discuss in length about process management.  
(10 marks)
6. **Write short notes on:**
  - 6A. Theory of constraints
  - 6B. Scheduling in services
  - 6C. Vertical integration
  - 6D. Management levels
  - 6E. Economies and diseconomies of scale

(6 marks × 5 = 30 marks)

