

MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2013

SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT
(OLD/NEW REGULATION)

Wednesday, January 02, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ **All questions are compulsory.**

1. What are the reasons for employee turnover and discuss with adequate examples from the health care sector? What are the retention policies that should be employed by the management?
(10+10 = 20 marks)
2. 'Health Care' – Perceptions and expectations of rural population in India. Discuss the statement.
(10 marks)
3. Discuss the expanding role of HIM professional in current health care services in India.
(10 marks)
4. Discuss the impact of liberalization in the achievement of health for all by 2020.
(10 marks)
5. Discuss India's position in world medical tourism map.
(10 marks)
6. **Write short notes on the following:**
 - 6A. Challenges in the implementation of EHR.
 - 6B. Accreditation and the role of NABH.
 - 6C. Bottleneck for the growth of telemedicine in India.
 - 6D. Main reasons for failure of public health information systems in India.

(5×4 = 20 marks)



MANIPAL UNIVERSITY**THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2013****SUBJECT: MHI 703 –OPERATIONS MANAGEMENT
(NEW REGULATION)**

Friday, January 04, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **All questions are compulsory.**

✍ **Essay questions:**

1. What is Process Management? Explain the various decisions to be made for the same.
2. What is Strategic Service? What are the elements of this concept?
- 3A. What is capacity? Write a note explaining the same.
- 3B. Explain, with an example, the Theory of Constraints.
4. Elaborate on the concept "Scheduling in services".

(15×4 = 60 marks)

5. Short Notes:

- 5A. What are the cons of globalization?
- 5B. What do you understand by the term Operations Management?
- 5C. Explain the EOQ Concept.
- 5D. Write a note on customer involvement.

(5×4 = 20 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2013

SUBJECT: MHI 705 – HEALTH ECONOMICS

Monday, January 07, 2013

Time: 10:00 – 11:30 Hrs.

Max. Marks: 40

1. Answer all the questions.

- 1A. Distinguish between Micro and Macro Economics.
- 1B. Explain the different sources of Health Finance.
- 1C. What are Indifference curves?
- 1D. State and explain the law of demand.

(5×4 = 20 marks)

- 2A. Explain the different methods of Quality control in health care.
- 2B. What is meant by Market? How do you classify it?

(10+(2+8) = 20 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2013

SUBJECT: MHI 707 – ACCOUNTANCY

Wednesday, January 09, 2013

Time: 10:00 – 11:30 Hrs.

Max. Marks: 40

1. Answer the following questions:

- 1A. What are the three branches of accounting?
 1B. Explain the terms 'Assets' and 'Liabilities'.
 1C. Explain the following accounting concepts.
 i) Money measurement concept. ii) Going concern concept.
 1D. Give the rules of Debit and credit for personal and real accounts.
 1E. What is posting? Explain how a transaction is posted to the ledger.

(2×5 = 10 marks)

2. Answer any TWO of the following:

- 2A. Enter the following transactions in proper subsidiary books.

	Particulars	Amount (₹)
2004 Jan. 1	Purchased goods from Prasad, Mysore	800
” 3	Sold goods to Shivaram	300
” 4	Sold goods to Vinayaka, Mumbai	240
” 6	Bought goods from Venkatesh, Bangalore	900
” 7	Bought goods from Dattatreya	1500
” 10	Shivaram returned goods	50
” 11	Bought goods from Gopala Krishna	1,500
” 12	Returned goods to Prasad, Mysore	200
” 15	Returned goods to Dattatreya	100
” 17	Sold goods to Ram worth ₹ 2000 subject to a trade discount of 25%	
” 18	Vinayaka returned goods	40
” 20	Bought from Ananth Murthy, Mangalore	900

- 2B. Enter the following transactions in the simple cash book.

	Particulars	Amount (₹)
2005 Jan. 1	Received from Madhu	1,500
” 4	Paid Anish	200
” 8	Received for cash sales	1600
” 9	Paid Shankar	200

Jan 12	Purchased office furniture	300
" 15	Paid for stationery	50
" 18	Received commission from Arjun	100
" 20	Paid interest on loan	80
" 25	Received from Ravi	500
" 28	Withdrew for personal use	200
" 30	Paid office rent	300
	Salaries	600

2C. From the following particulars prepare a bank reconciliation statement as on 31/03/04

Particulars	Amount (₹)
Bank balance as on 31/03/04 as per pass book	15,200
Bank charges debited	130
Cheques issued but not presented to bank for payment	2000
Cheques deposited to bank but not credited in the pass book	7000
A cheque entered as deposit in the cash book instead of a payment	220
Paid into the bank had been entered twice in the cash book.	364
The receipt column of the cash book has been overcast	1000
A cheque drawn for ₹ 9 had been wrongly entered in the cash book as	99

(15×2 = 30 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2013

SUBJECT: MHI 711 – CODING FOR HEALTH INSURANCE

Friday, January 11, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Answer the following questions.

- 1A. Define Health Insurance. Write about the three major Health Insurance Plans, in brief.
(1+3+3+3 = 10 marks)
- 1B. Give a detail account of vision and achievement of AHA.
(5+5 = 10 marks)
- 1C. Explain SNOMED with example.
(7+3 = 10 marks)
- 1D. What is HIPAA? Write the legislative actions and basic principles of HIPAA.
(1+4+5 = 10 marks)
- 1E. Briefly write down the purpose and contents of ICD-9-CM.
(1+9 = 10 marks)
- 1F. Discuss the current public sector health insurance scenario in India.
(10 marks)

2. Write the definitions of the following terms:

- 2A. A M Best Rating
- 2B. Claim
- 2C. Appeal
- 2D. Coding
- 2E. Grievance
(2×5 = 10 marks)

3. Write short notes on the following:

- 3A. SNDO
- 3B. Nature of presenting problem
(5×2 = 10 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT
(NEW/CBS REGULATION)

Tuesday, May 28, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Discuss about the importance of medical record as a legal document.
(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. Define disaster management. Discuss the importance of health information in disaster management.
(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. Challenges in the implementation of EHR.
 - 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.
(6×5 = 30 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT
(NEW/CBS REGULATION)

Tuesday, May 28, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

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 - 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.

(6×5 = 30 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT
(NEW REGULATION & CBS)

Thursday, May 30, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Definition and evolution of the concept of strategic operation management.
(10 marks)
2. Define a service. Explain the different characteristics and objective of service.
(2+4+4 = 10 marks)
3. List the major process decisions. Explain in detail the five process choice options and illustrate in terms of degree of consumption and volume.
(2+4+4 = 10 marks)
4. Discuss and compare product operation management and services operation management.
(5+5 = 10 marks)
5. List and discuss the barriers to effective planning.
(10 marks)
6. Write short notes on:
 - 6A. Service design strategy.
 - 6B. Production system concepts.
 - 6C. Types of plans.
 - 6D. Problem solving process.
 - 6E. Theory of constraints.
(6×5 = 30 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT
(NEW REGULATION & CBS)

Thursday, May 30, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Definition and evolution of the concept of strategic operation management.
(10 marks)
2. Define a service. Explain the different characteristics and objective of service.
(2+4+4 = 10 marks)
3. List the major process decisions. Explain in detail the five process choice options and illustrate in terms of degree of consumption and volume.
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 - 6A. Service design strategy.
 - 6B. Production system concepts.
 - 6C. Types of plans.
 - 6D. Problem solving process.
 - 6E. Theory of constraints.(6×5 = 30 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: HEALTH ECONOMICS & ACCOUNTANCY

(NEW REGULATION)

Saturday, June 01, 2013

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. Define health policy.
 1B. State and explain the law of demand with suitable example.
 1C. Explain the Ricardian theory of rent.
 1D. Define monopoly. Explain the sources of monopoly power.

(5×4 = 20 marks)

- 2A. Define price elasticity. Explain the various degrees of price elasticity of demand.
 2B. Discuss the cost – output relationship in the short run.

(10×2 = 20 marks)

SECTION – B: ACCOUNTANCY: 40 MARKS

3. Answer the following questions:

- 3A. Explain Single entry system of book –keeping.
 3B. What do you mean by credit transaction? Give an example.
 3C. What is a bank reconciliation statement?
 3D. What do you mean by 'Two column cash book'?
 3E. What are nominal accounts? What is its rule of debit and credit?

(2×5 = 10 marks)

4. Answer any TWO of the following:

4A. Enter the following transactions in a two column cash book.

2013	₹
Oct 1 Commenced business with cash	30,000
Oct 2 Paid in to bank	25,000
Oct 5 Sold goods for cash	1,000
Oct 8 Sold goods for cash	1,000
Oct 9 Purchased goods on credit from Ravi	900
Oct 12 Paid Ravi, the amount due to him	
Oct 15 Received a cheque from Surendra for goods sold to him	1,000
Oct 16 Deposited Surendra's cheque into bank	
Oct 17 Sunil paid direct into our bank account	900

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

4B. Enter the following transactions in the book of Sunil.

2013

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

Pass Journal entries.

4C. Prepare a bank reconciliation statement from the following particulars as on 31.12.2011.

- On 31st 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 28th Dec, but had not been credited by the bank. In addition to this, one cheque for ₹ 500 was entered in the cash book on 30th Dec, but was banked on 3rd January.
- A cheque from Suhan for ₹ 400 was deposited in the bank on 26th Dec, but was dishonoured and advice was received on 2nd Jan.
- Pas 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 20th Dec, but the intimation in this respect was received from the bank on 2nd Jan.
- Bank pass book showed a credit balance of ₹ 5,180 on 31st Dec 2002.

(15×2 = 30 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: MHI 711 – CODING FOR HEALTH INSURANCE

(NEW REGULATION)

Tuesday, June 04, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer all the questions.**

1. Which are the different types of HMO models based on physician's services? Explain.
(1+14 = 15 marks)
2. What are the purposes and uses of ICD-9-CM? Briefly write about the contents and features of tabular list and index of ICD-9-CM.
(5+5+5 = 15 marks)
3. With suitable examples write the coding guidelines for coding diseases of circulatory system.
(10 marks)
4. Which are the coding guidelines to be followed while coding for HIV? Explain with suitable codes.
(10 marks)
5. **Write short notes on:**
 - 5A. Health insurance rating companies
 - 5B. Formulary and exclusions
 - 5C. Primary care physician
 - 5D. Dual coding system

(5×4 = 20 marks)

6. **Solve the given problem:**

Sum Assured by FFS plan	₹ 1,50,000
Co - insurance clause	80/20 up to ₹ 40,000
Annual deductible	₹ 1750
Hospital bill of Mr. XYZ for the year 2010	
January	₹ 45,500
May	₹ 1,35,500

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

(10 marks)

