

MANIPAL UNIVERSITY**THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014****SUBJECT: MHI 701 – RECENT ADVANCES IN HEALTH INFORMATION MANAGEMENT
(NEW/CBS REGULATION)**

Wednesday, January 01, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **All questions are compulsory.**

1. What are the challenges to human resource management in medical records department of Indian hospitals? Discuss.
(15 marks)
2. Discuss the barriers in implementation of electronic health records in Indian hospitals.
(15 marks)
3. What is the NRHM? Discuss its role in the Indian health care sector.
(2+8 = 10 marks)
4. Discuss the importance of financial management and cost containment in the context of Indian Hospitals?
(10 marks)
5. **Write short notes on:**
 - 5A. Disaster management in health care.
 - 5B. HIPAA technical safeguards.
 - 5C. Present scenario of HIS in Indian hospitals.
 - 5D. Impact of accreditation in medical tourism industry.
 - 5E. Main reasons for failure of public health information systems in India.
(6×5 = 30 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT
(GRADING SYSTEM)

Friday, January 03, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Dependent demand is useful to service provider. Justify this statement in the context of hospital.
(10 marks)
2. What are economics of scale? What are the four principle reasons when economics of scale can drive down costs?
(2+8 = 10 marks)
3. Emergence of virtual market place is inevitable. Discuss this statement. What are the four approaches to e-purchasing?
(6+4 = 10 marks)
4. Distinguish between competitive orientation and cooperative orientation in the context of suppliers selection.
(10 marks)
5. What are the three main approaches to team work? Explain them with examples.
(10 marks)
6. Write short notes on:
 - 6A. Bullwhip effect
 - 6B. Process decisions
 - 6C. Service design strategy
 - 6D. Production system concepts
 - 6E. Types of plans
(6×5 = 30 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014

SUBJECT: HEALTH ECONOMICS & ACCOUNTANCY
(NEW REGULATION)

Monday, January 06, 2014

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. Write a note on health insurance.
1C. What are indifference curves?
1D. Explain the role of health sector in the economy.
- (5×4 = 20 marks)
2. What is price elasticity of demand? Explain the various degrees of price elasticity of demand.
- (3+7 = 10 marks)
3. Explain the various methods of Quality control in health care.
- (10 marks)

SECTION – B: ACCOUNTANCY: 40 MARKS

4. Answer the following questions:
- 4A. Distinguish between 'Journal' and 'Ledger'.
4B. What are subsidiary books? Mention any one of them along with specimen.
4C. What is an analytical petty cash book?
4D. What is 'Narration'?
4E. What is double entry system of book-keeping?
- (2×5 = 10 marks)
5. Answer any TWO of the following:
- 5A. From the following particulars prepare a B.R.S as on 31.03.2013
- Bank balance as per pass book on 31.03.2013 ₹ 15,200
 - Bank charges debited ₹ 130
 - Cheques issued but not presented to bank for payment ₹ 2,000
 - Cheques deposited to bank but not credited in the pass book ₹ 7,000
 - A cheque entered as deposit in the cash book instead of payment ₹ 220
 - ₹ 364 paid in to bank had been entered twice in the cash book.
 - The receipt column of the cash book has been overcast ₹ 1,000.

- 5B. Record the following transactions in an Analytical Petty cash book and balance the same.
On 01.04.2012 the petty cashier had the balance of ₹ 350

| 2012 | |
|----------|---|
| April 1 | Postage stamps purchased ₹ 15 |
| April 3 | Sweeper and Scavenger paid ₹ 25 |
| April 5 | Conveyance to manager ₹ 12 |
| April 6 | Telegram to Bombay ₹ 20 |
| April 7 | Stationery purchased ₹ 15 |
| April 8 | Lorry hire for goods sent ₹ 25 |
| April 13 | Cartage and coolie on goods bought ₹ 17 |
| April 17 | Salary to office boy ₹ 15 |
| April 18 | Servicing charges to typewriters ₹ 15 |
| April 22 | Ink and Gum purchased ₹ 20 |
| April 24 | Advertisement in 'The Hindu' ₹ 50 |
| April 28 | Tea to customers ₹ 15 |
| April 30 | paid Raja on account ₹ 25 |

- 5C. Enter the following transactions in two column cash book.

| 2010 | | ₹ |
|----------|---|-------------|
| March 1 | Opening balance of cash | 3,000 |
| March 2 | Received from Nagendra and allowed him discount | 1,500 50 |
| March 4 | Paid Upendra ₹ 500 in full settlement of his account ₹ 550 | |
| March 5 | Sold goods for cash | 2,000 |
| March 8 | Bought goods for cash | 200 |
| March 9 | Paid Vijayendra | 200 |
| March 12 | Bought office furniture for cash | 225 |
| March 15 | Received commission from Raj | 500 |
| March 16 | Received interest from Ram | 300 |
| March 19 | Paid for advertising | 150 |
| March 22 | Received from Gopal ₹ 700 and allowed him discount ₹ 50 | |
| March 26 | Withdraw cash for personal use | 500 |
| March 31 | Paid office rent | 700 |
| March 31 | Paid salaries | 1,500 |

(15×2 = 30 marks)



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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014

SUBJECT: MHI 705 – HEALTH ECONOMICS
(GRADING SYSTEM)

Monday, January 06, 2014

Time: 10:00 – 11:30 Hrs.

Max. Marks: 40

Answer all the questions.

- 1A. What is cost benefit analysis?
- 1B. Write a note on health insurance.
- 1C. What are indifference curves?
- 1D. Explain the role of health sector in the economy.

(5×4 = 20 marks)

2. What is price elasticity of demand? Explain the various degrees of price elasticity of demand.

(3+7 = 10 marks)

3. Explain the various methods of Quality control in health care.

(10 marks)



MANIPAL UNIVERSITY**THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014****SUBJECT: MHI 707 – ACCOUNTANCY
(GRADING SYSTEM)**

Wednesday, January 08, 2014

Time: 10:00 – 11:30 Hrs.

Max. Marks: 40

1. Answer the following questions:

- 1A. Explain the meaning of 'Assets' and 'liabilities'.
1B. What is a cash book? What is its importance?
1C. What is a transaction?
1D. What is a Bank reconciliation statement?
1E. What is an analytical Petty cash book?

(2×5 = 10 marks)

2. Answer any TWO of the following:

- 2A. Enter the following transactions in an analytical petty cash book.

| 2012 | ₹ |
|--|-----|
| Jan 1 Received a cheque for petty cash | 400 |
| Jan 2 Paid bus fare | 50 |
| Jan 3 Paid Auto fare | 25 |
| Jan 10 Telegram sent | 30 |
| Jan 12 Paid for cartage | 60 |
| Jan 15 Paid for stationery | 20 |
| Jan 16 Purchased envelopes | 50 |
| Jan 20 Wages paid | 10 |
| Jan 25 Gave tips | 35 |
| Jan 30 Stamps purchased | 20 |

- 2B. Journalise the following transactions.

- i) Opened an account in a bank with ₹ 10,000
ii) Withdrew from Bank for office use ₹ 2,000
iii) Withdrew from Bank for personal use ₹ 500
iv) Bought goods from Amar and paid him Cheque ₹ 1,000
v) Paid rent by cheque ₹ 500
vi) Bank paid insurance premium on our behalf ₹ 100
vii) Cash sales deposited into the bank ₹ 1000
viii) Deposited cash into bank ₹ 600

2C. Enter the following transactions in a two column cash book
2012

- Oct 1 Opening balance of cash ₹ 2,000
- Oct 2 Received from Raj ₹ 1,500 and allowed discount ₹ 50
- Oct 4 Paid to Mr. X ₹ 500 in full settlement of his account ₹ 550
- Oct 5 Sold goods for cash ₹ 1,600
- Oct 8 Bought goods for cash ₹ 200
- Oct 9 Paid Vijay ₹ 200
- Oct 12 Bought office furniture for cash ₹ 225
- Oct 15 Received commission ₹ 500
- Oct 16 Received interest ₹ 300
- Oct 19 Paid for advertisement ₹ 150
- Oct 22 Received from Ram ₹ 700 and allowed him discount ₹ 50
- Oct 26 Withdrew cash for personal use ₹ 500
- Oct 31 Paid office rent ₹ 800 and salaries ₹ 500

(15×2 = 30 marks)



MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JANUARY 2014

**SUBJECT: MHI 711 – CODING FOR HEALTH INSURANCE
(NEW/CBS REGULATION)**

Friday, January 10, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions:**

1. Which are the two major types of health insurance coverage? Detail the advantages and disadvantages of both.

(5+5 = 10 marks)

2. List out the conventions used in vol.1 of ICD-9-CM. Explain the uses of each with suitable example.

(12+8 = 20 marks)

3. What are standard 'Code Sets'? Briefly write the purpose, uses and features of CPT.

(10 marks)

4. List out the chapters of ICD-9-CM and write the coding guidelines for coding HIV disease.

(5+5 = 10 marks)

5. Write short notes on:

- 5A. Copays and coinsurance
5B. Formulary and exclusions
5C. Staff and IPA model HMO
5D. Morphology codes

(5×4 = 20 marks)

6. Solve the given problem:

| | |
|--|----------------------|
| Sum assured by FFS plan | ₹ 1,25,000 |
| Co - insurance clause | 80/20 up to ₹ 35,000 |
| Annual deductible | ₹ 7500 |
| Hospital bill of Mr. ABC for the year 2011 | |
| May | ₹ 10,250 |
| August | ₹ 24,750 |
| December | ₹ 33,100 |

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

(10 marks)



| | | | | | | | | | |
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MANIPAL UNIVERSITY

THIRD SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2014

SUBJECT: MHI 703 –OPERATIONS MANAGEMENT
(CBS – 2011 SCHEME)

Tuesday, June 03, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ All questions are compulsory.

1. Describe briefly about the nature and scope of management. (10 marks)
2. Discuss about capital intensity in terms of fixed and flexible automation. (5+5 = 10 marks)
3. Describe in detail about product and service design development. (10 marks)
4. What is capacity planning? What are the 2 ways of measuring capacity? (5+5 = 10 marks)
5. What is benchmarking? Explain the four basic steps of benchmarking. (2+8 = 10 marks)
6. Write short notes on:
 - 6A. Alternatives to specialization
 - 6B. Factors affecting layout decisions
 - 6C. Theory of constraints
 - 6D. Supply chain for service providers
 - 6E. Scheduling in services(6 marks × 5 = 30 marks)

