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MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: BHI 208 – FUNDAMENTALS OF MANAGEMENT
(COMMON FOR OR & 2014 SCHEME)

Wednesday, June 15, 2016

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer ALL the questions:

1. What are the types of mentoring? What are the hurdles in it?
(6+4 = 10 marks)
2. Define “science” and “art”. Is management a science or an art? Discuss.
(4+6 = 10 marks)
3. What is the need for coordination? What are the types of coordination? Distinguish between coordination and cooperation.
(4+4+2 = 10 marks)
4. Distinguish between placement and orientation. What is the role of orientation and placement in staffing? Discuss the problem of staffing in Indian industries.
(3+3+4 = 10 marks)
5. Discuss the stages of decision making as given by Mintzberg.
(10 marks)
6. Define leadership. Discuss the characteristic features of leadership.
(2+8 = 10 marks)
7. Write short notes on the following:
 - 7A. Functions of counselling
 - 7B. Types of training
 - 7C. Forms of Planning
 - 7D. Oliver Sheldon
 - 7E. Recruitment

(4 marks × 5 = 20 marks)

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MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2016

**SUBJECT: MEDICAL TERMINOLOGY II/MEDICAL LANGUAGE II (BHI 202)
(COMMON FOR OLD REGULATION & CBS-2014 SCHEME)**

Friday, June 17, 2016

Time: 10:00-13:00 Hrs

Max. Marks: 80

1. Explain the following medical terms:

- | | | | |
|-------------|-------------|------------------|-------------|
| a) Dyslexia | b) Colic | c) Stroke | d) Alopecia |
| e) Tinea | f) Progeria | g) Hyperhidrosis | h) Acute |
| i) Lethargy | j) Symptom | | |

(1 mark × 10 = 10 marks)

2. Expand the following abbreviations:

- | | | | |
|--------|---------|--------|--------|
| a) SAH | b) BMF | c) MPD | d) DNS |
| e) IGF | f) EGA | g) DZT | h) FHL |
| i) ACF | j) COAD | | |

(1 mark × 10 = 10 marks)

3. Briefly describe the following conditions:

- | | | |
|-----------------------|------------------|--------------------------|
| a) Glaucoma | b) Scurvy | c) Leukaemia |
| d) Pemphigus | e) Somnambulism | f) Prostatitis |
| g) Nephrotic Syndrome | h) Endometriosis | i) Vestibular neuronitis |
| j) Puerperal Sepsis | | |

(2½ marks × 10 = 25 marks)

4. Give the correct medical term for the following:

- 4A. A state of lethargy and unresponsiveness
- 4B. Objective evidence of a disease
- 4C. Outward turning of the eye
- 4D. Congenital absence of limbs
- 4E. A swelling containing a watery fluid or blood

(1 mark × 5 = 5 marks)

5. Answer the following questions:

- 5A. Explain briefly about cancrroid and candidiasis
- 5B. Give a detailed account of staging and grading of cancer
- 5C. Distinguish between nephritis and nephrotic syndrome
- 5D. Give a detailed account of cataract
- 5E. Distinguish between Panic Disorder and Personality disorder
- 5F. Write down briefly about five conditions of the ear

(5 marks × 6 = 30 marks)

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FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: BASIC ACCOUNTANCY (BHI 206)
(CBS - 2014 SCHEME)

Monday, June 20, 2016

Time: 10:00-13:00 Hrs.

Max. Marks: 80

1. **Answer any TEN of the following:**

- 1A. What is a balance sheet?
- 1B. What do you mean by credit transaction? Give an example.
- 1C. What do you mean by 'Errors of Commission'?
- 1D. What do you mean by 'Two column cash book'?
- 1E. What is Journal? Give its specimen.
- 1F. State any two objects of book –keeping.
- 1G. Explain the meaning of sales returns book.
- 1H. Explain the use of Petty cash book.
- 1I. What is a bank reconciliation statement?
- 1J. What are nominal accounts? What is its rule of debit and credit?
- 1K. Explain Single entry system of book –keeping.
- 1L. What is a ledger?

(2 marks × 10 = 20 marks)

☞ **Solve the following problems:**

2. Enter the following transactions in the book of Sachin.

2013

April 1 Sachin commenced business with:	₹
Furniture:	15,000
Machinery:	12,000
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

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

2013		₹
Nov 1	Commenced business with cash	30,000
Nov 2	Paid in to bank	25,000
Nov 5	Sold goods for cash	1,000
Nov 8	Sold goods for cash	1,000
Nov 9	Purchased goods on credit from Ravi	900
Nov 12	Paid Ravi, the amount due to him	
Nov 15	Received a cheque from Surendra for goods sold to him	1,000
Nov 16	Deposited Surendra's cheque in to bank	
Nov 17	Sunil paid direct in to our bank account	900
Nov 20	Received a cheque from Surendra and deposited the same into the bank	1,500
Nov 21	Purchased office furniture from Royal furniture and paid the same by cheque	1,000
Nov 24	Sold goods to Vijay on credit	10,000
Nov 28	Received a cheque from Vijay for ₹ 9,500 in full settlement of account	
Nov 30	Drew a cheque for personal use	500
Nov 30	Drew a cheque for office use	1,000

4. Prepare a bank reconciliation statement from the following particulars as on 31.12.2012.

- i) On 31st Dec, the cash book of a firm showed a bank balance of ₹ 6,000 (Debit Balance)
- ii) Cheques had been issued for ₹ 5,000, out of which Cheques worth ₹ 4,000 only were presented for payment.
- iii) 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.
- iv) A cheque from Suhan for ₹ 400 was deposited in the bank on 26th Dec, but was dishonoured and advice was received on 2nd Jan.
- v) Pas book showed bank charges of ₹ 20 debited by the bank.
- vi) 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.
- vii) Bank pass book showed a credit balance of ₹ 5,180 on 31st Dec 2012.

5. From the following Trial balance of Raman, prepare Trading, profit and loss account for the year ending 31st March 2013 and a Balance sheet as on that date.

Particulars	Dr(₹)	Cr(₹)
Capital		30,000
Drawings	5,000	
Purchases	40,000	
Carriage outwards	500	
Returns outwards		1,000
Sundry expenses	800	
Bad debts	300	
Sales		60,000
Postage	200	
Wages	1000	
Bills payable		3,000
Discount	500	
Land and building	18,000	
Machinery	7,500	
Sundry creditors		8,500
Sundry debtors	10,500	
Salary	1,500	
Investments	3,000	
Opening stock	13,200	
Cash in hand	500	
	1,02,500	1,02,500

- Adjustments:- Closing stock ₹ 10,300
- Make provision for bad debts at 5%
 - Depreciate machinery by 6%
 - Outstanding salary ₹ 400
 - Interest accrued on investments ₹ 90
 - Wages paid in advance ₹ 50

(15 marks × 4 = 60 marks)



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MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: EPIDEMIOLOGY & BIOSTATISTICS (BHI 204)
(CBS - 2013 AND 2014 SCHEME)

Wednesday, June 22, 2016

Time: 10:00-13:00 Hrs.

Max. Marks: 80

1. Explain the research process.

(6 marks)

2. Identify the appropriate scales of measurement for the following variables:

2A. Systolic blood pressure

2B. Gender

2C. Temperature (°C)

2D. Marital status

(4 marks)

3. Forty five persons were examined for hemoglobin percentage in their blood (mg per dl). Construct a histogram for the data.

Hb (mg/dl)	10 – 11	11 – 12	12 – 13	13 – 14	14 – 15	15 – 16
No. of persons	8	12	16	6	2	1

(4 marks)

4. Obtain coefficient of variation for the data on percent of fluid recovered among antigen challenged sites following bronchoalveolar lavage (BAL) in asthmatic patients.

64 25 70 35 43 49 62 56 43 63

(8 marks)

5. Data below shows the number of colonies of bacteria grown on twelve agar plates. Calculate median and interquartile range.

85 70 60 70 100 160 140 80 110 95 130 115

(10 marks)

6. Define the following:

6A. Age specific mortality rate

6B. Total fertility rate

6C. Crude death rate

(2 marks × 3 = 6 marks)

7. Describe properties of normal curve with the help of neat diagram.

(6 marks)

8. The amount of weight gained during pregnancy was assessed and was found to be approximately normally distributed with a mean weight gain of 10 kgs and a standard deviation of 3kgs. Calculate the proportion of pregnant women who gained weight.

8A. At most 16 kgs.

8B. Between 10 to 13 kgs.

8C. At least 7 kgs.

(2 marks \times 3 = 6 marks)

9. **Write short notes on:**

9A. Reliability and validity

9B. Correlation

9C. Non-probability sampling

9D. Epidemiology and its uses

9E. Census

9F. Requirements of Health Information System

(5 marks \times 6 = 30 marks)



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FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: BHI 212 – FUNDAMENTALS OF HEALTH INFORMATICS
(CBS - 2014 SCHEME)

Friday, June 24, 2016

Time: 10:00-11:30 Hrs.

Max. Marks: 40

✍ **Answer ALL questions.**

1. What is health informatics? Discuss the learning theory of health informatics with suitable example.

(1+9 = 10 marks)

2. What is a health information system? Briefly discuss the application of health information system with respect to the institution and operation support.

(1+5+4 = 10 marks)

3. What are the international standards used to represent clinical data in health informatics applications. Discuss.

(10 marks)

4. **Write short notes on:**

4A. eHealth Applications

4B. Impact of health informatics on doctors

(5 marks × 2 = 10 marks)

