

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2011

SUBJECT: EPIDEMIOLOGY AND BIostatISTICS

Tuesday, June 07, 2011

Time: 14:00-17:00 Hrs

Max. Marks: 80

✍ **Answer all questions.**

1. What is random sampling? Discuss in detail three random sampling methods with their merits and demerits.

(1+9 = 10 marks)

2A. The duration of illness (days) of 23 cases of Pneumonia treated in a hospital is given below.

6, 7, 8, 8, 10, 11, 11, 11, 8, 10, 10, 10, 12, 12, 14, 14, 15, 15, 17, 18, 6, 5, 4

Calculate Arithmetic mean and standard deviation.

2B. With the assumption of normal distribution, construct 68%, 95% and 99% intervals for the above data.

(2+5)+3 = 10 marks)

3. Define health information system. Discuss registration of vital events and sample registration system in detail.

(2+8 = 10 marks)

4A. Define epidemiology and enumerate its uses.

4B. Write brief essay on cross sectional studies.

(4+6 = 10 marks)

5. **Write short notes on the following:**

5A. Research process.

5B. Variables in research.

5C. Graphical presentation of data.

5D. Skewness and Kurtosis.

5E. Scatter diagram.

5F. Morbidity statistics.

5G. Hypothesis in research.

5H. Reliability and validity.

(5×8 = 40 marks)



MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2011

SUBJECT: MEDICAL TERMINOLOGY – II

Thursday, June 09, 2011

Time: 14:00-17:00 Hrs

Max. Marks: 80

1. Give the correct explanation for the following medical terms:

- | | | |
|-------------------|---------------|--------------|
| a) telangiectasia | b) tic | c) fetishism |
| d) impetigo | e) petrositis | f) priapism |
| g) urticaria | h) enuresis | i) acne |
| j) leukoplakia | | |

(1×10 = 10 marks)

2. Write down the correct expansion for the following abbreviations:

- | | | | |
|---------|--------|--------|--------|
| a) GERD | b) MCV | c) BMI | d) ARF |
| e) BK | f) YF | g) CHF | h) IBS |
| i) OCD | j) PMS | k) TOP | l) MCV |
| m) SIDS | n) LLO | o) PDA | |

(1×15 = 15 marks)

3. Briefly explain the following condition:

- | | | |
|----------------------|-----------------------|----------------------|
| a) Ectopic pregnancy | b) Dengue fever | c) leprosy |
| d) rabies | e) Nephritic syndrome | f) Diabetes mellitus |
| g) Otitis media | h) albinism | i) beri-beri |
| j) glaucoma | | |

(2×10 = 20 marks)

4. Write down the correct medical term for the following:

- 4A. A swelling containing a watery fluid or blood.
 4B. Noisy discharge of gas from the stomach.
 4C. Habit of eating earth or soil.
 4D. Pertaining to the sense of touch.
 4E. Another term for spastic dysuria.

(1×5 = 5 marks)

5. Answer the following:

- 5A. Give an account of abortion and its types.
 5B. Explain in any five skin disorders.
 5C. Differentiate between leukemia and lymphoma
 5D. Explain in detail about AIDS.
 5E. How will you distinguish between chancroid and genital ulcer disease?

(6×5 = 30 marks)



MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2011

SUBJECT: BASIC ACCOUNTANCY

Saturday, June 11, 2011

Time: 14:00-17:00 Hrs.

Max. Marks: 80

1. Answer any TEN of the following:

- 1A. Give the meaning of book-keeping.
- 1B. Who is a 'debtor' and 'creditor'?
- 1C. What is double entry system of book-keeping?
- 1D. Explain the meaning of 'Journalising' and 'Entry'.
- 1E. Distinguish between 'Journal' and 'Ledger'.
- 1F. What are subsidiary books? Mention any one of them along with specimen.
- 1G. What is an analytical Petty cash book?
- 1H. What do you mean by 'Errors of Omission' and 'Errors of Commission'?
- 1I. Differentiate between 'Gross profit' and 'Net profit'.
- 1J. What is 'Narration'?
- 1K. What is a 'Suspense account'?
- 1L. What is Balance sheet? How is it prepared?

(2×10 = 20 marks)

2. Solve the following problem:

2. Journalise the following transactions:

	₹
2005,	
Jan 1 Started business with cash	90,000
Jan 2 Paid into bank	25,000
Jan 3 Goods purchased for cash	30,000
Jan 4 Bought furniture and issued a cheque	10,000
Jan 6 Sold goods for cash	10,000
Jan 7 Sold goods to Rahul	8,000
Jan 10 Withdrew cash for personal use from the bank	1,500
Jan 12 Withdrew cash for office use from the bank	5,000
Jan 14 Paid telephone rent	800
Jan 15 Cash sale of goods to Rahul	2,000

(15 marks)

3. Enter the following transactions in proper subsidiary books:

	₹
2004,	
March 1 Bought goods from Albert	2,000
March 2 Sold goods to Brown	1,000
March 7 Charls sold goods to us	1,000
March 8 David bought goods from us	700
March 10 Received goods returned by Brown	80
March 12 We returned goods to Albert	50
March 18 Sold goods to Mohan	500
March 22 Purchased goods from Raja	600
March 25 Returned goods to Charles	100
March 30 Sold goods to Khan	600

(15 marks)

Enter the following transactions in the simple cash book:

	₹
2007,	
Jan 1 Received from Madhukara	1,500
Jan 4 Paid Murali	200
Jan 8 Received for cash sales	1,600
Jan 9 Paid Rama	200
Jan 12 Purchased office furniture	300
Jan 15 Paid for stationery	50
Jan 18 Received commission from Aruna	100
Jan 20 Paid interest on loan	80
Jan 25 Received from Ravi	500
Jan 28 Withdrew for personal use	200
Jan 30 Paid office rent	300
Jan 31 Paid salaries	600

(15 marks)

From the following Trial balance you are required to prepare Trading and Profit and Loss account for the year ending 31.03.2005 and a Balance Sheet as on that date, having regard the following:

- Depreciate plant and machinery at 10% p.a.
- Increase bad debts reserve to 5% on sundry debtors.
- Rent accrued is ₹ 40.
- Rates of ₹ 80 are paid in advance.
- Stock on hand 31.03.2005 ₹ 1,400.
- Apprentice premium received in advance ₹ 20.

	Dr (₹)	Cr (₹)
Capital account		4,250
Drawings account	710	
Plant and machinery	950	
Stock on 01.04.2004	1,460	
Purchases and sales	10,362	11,906
General expenses	440	
Rent	120	
Rates	200	
Apprentice premium		80
Purchase and sales returns	210	291
Bank overdraft		240
Bad debts	172	
Debtors and Creditors	3,200	1,000
Cash in hand	48	
Bad debts reserve		105
	17,872	17,872

(15 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2011

SUBJECT: FUNDAMENTALS OF MANAGEMENT

Tuesday, June 14, 2011

Time: 14:00-17:00 Hrs.

Max. Marks: 80

1. Define morale. What are the effects of low morale? How to build high morale among employees?
(2+4+4 = 10 marks)
2. What is the role of a mentor? What are the steps in Mentoring? Discuss each step.
(4+6 = 10 marks)
3. "Planning is the beginning of the process of management." Discuss the statement.
(10 marks)
4. Who is called the 'father of scientific management'? Enumerate the principles propagated by him.
(2+8 = 10 marks)
5. Define Motivation. What are McGregor's theories of motivation?
(3+7 = 10 marks)
6. Define management and administration. Are the two terms management and administration same? Justify your answer.
(4+2+4 = 10 marks)
7. **Write Short Notes on:**
 - 7A. Leadership and management.
 - 7B. Qualities of a Manager.
 - 7C. Levels of Managerial Hierarchy.
 - 7D. Causes of counseling.

(5×4 = 20 marks)

