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# MANIPAL UNIVERSITY

## FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2008

### SUBJECT: EPIDEMIOLOGY AND BIostatISTICS (NEW REGULATION)

Monday, June 16, 2008

Time available: 3 Hours

Max. Marks: 80

✍ Answer all the questions.

- 1A. Write briefly the steps involved in research process.
- 1B. Describe natural history of disease.

(5+5 = 10 marks)

- 2A. State the uses of sampling.
- 2B. Explain stratified random sampling and simple random sampling.

(3+7 = 10 marks)

- 3A. The following are the incubation period (in days) of a new disease severe acute respiratory syndrome (SARS) in 20 patients.

9	7	10	6	12	13	11	12	5	8
8	9	11	10	7	10	10	8	9	8

Calculate Mean, Median, Mode and Range.

- 3B. Define co-efficient of variation and standard deviation.

(6+4 = 10 marks)

- 4A. What is hypothesis? Describe the various characteristics of a good hypothesis.

- 4B. Discuss the uses of health information.

(5+5 = 10 marks)

5. Write short notes on:

- 5A. Scales of measurement
- 5B. Skewness and Kurtosis
- 5C. Graphical presentation of data
- 5D. Incidence and prevalence
- 5E. Non-random sampling
- 5F. Sample registration system
- 5G. Correlation co-efficient
- 5H. Uses of statistics in health science.

(5×8 = 40 marks)



# MANIPAL UNIVERSITY

**FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2008**

**SUBJECT: MEDICAL TERMINOLOGY – II  
(NEW REGULATIONS)**

Tuesday, June 17, 2008

Time available: 3 Hours

Max. Marks: 80

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

a) Aneurysm	b) Hypoxia	c) Hypercalcemia	d) Dyspareunia
e) Nymphomania	f) Urethritis	g) Haematocolpos	h) Amblyopia
i) Scleritis	j) Keratosis		

(1×10 = 10 marks)
  
2. Write down the correct expansion for the following abbreviations:
 

a) COAD	b) DPT	c) GV	d) IMR	e) MAC
f) PDA	g) LAW	h) ECF	i) HEENT	j) LNE
k) NSD	l) RUQ	m) BMF	n) FHT	o) ICF

(1×15 = 15 marks)
  
3. Briefly explain the following conditions.
 

a) Cushing's syndrome	b) IHD	c) Addison's disease
d) Albinism	e) Refsums disease	f) Trans-sexualism
g) Hydatidiform mole	h) Cholesteatoma	i) Hives
j) Hansen's disease		

(2×10 = 20 marks)
  
4. Write down the exact medical term for the following explanation.
  - 4A. A deficient activity of the thyroid gland.
  - 4B. An inability to coordinate voluntary muscular movements that is symptomatic of some nervous disorders.
  - 4C. Inflammation of the lining of the renal pelvis of kidney.
  - 4D. Abnormally infrequent or scanty menstrual flow.
  - 4E. Local and habitual spasmodic motion of particular muscles especially of the face.

(1×5 = 5 marks)
  
5. Answer the following:
  - 5A. Mention any five mental disorders and its correct meaning.
  - 5B. How do you distinguish Parkinsonism from Alzheimer's disease?
  - 5C. Explain in detail about Anorexia nervosa and bulimia nervosa.
  - 5D. Briefly explain about types of infectious disease.
  - 5E. Give an account of meningitis.
  - 5F. Briefly explain about Chancroid and Gonorrhoea.

(5×6 = 30 marks)





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# MANIPAL UNIVERSITY

**FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2008**

**SUBJECT: FUNDAMENTALS OF MANAGEMENT  
(NEW REGULATIONS)**

Wednesday, June 18, 2008

Time available: 3 Hours.

Max. Marks: 80

**Answer ALL the questions.**

1. Distinguish between:
  - 1A. Co-ordination and cooperation.
  - 1B. Simple and complex decision.
  - 1C. Strategic and Tactical planning.
  - 1D. Management and Administration.

(5×4 = 20 marks)
2. Define Morale. What are the effects of Low morale? What measures should be taken to build up a high Employee Morale?

(10 marks)
3. Define Leadership. What are the skills necessary for a successful leader?

(10 marks)
4. Discuss the various performance Appraisal methods.

(10 marks)
5. "Mentoring is a supportive and nurturing relationship between an expert and a novice." In this light explain mentoring and the steps involved in it.

(10 marks)
6. Discuss Fayol's principles of Management.

(10 marks)
7. Define Training. Discuss the different types of training programmes.

(2+8 = 10 marks)



# MANIPAL UNIVERSITY

## FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2008

### SUBJECT: BASIC ACCOUNTANCY (NEW REGULATIONS)

Thursday, June 19, 2008

Time available: 3 Hours.

Max. Marks: 80

✍ **Answer any TEN of the following:**

- 1A. What are Real Accounts? What is its rule of debit and credit?
- 1B. What is double entry system of accounting?
- 1C. What is posting? Explain how a transaction is posted to the ledger.
- 1D. Explain the meaning of single column cash book. Give specimen.
- 1E. Explain the meaning of 'Purchase return book'.
- 1F. What is a bank reconciliation statement?
- 1G. What is the object of preparing a profit and loss account?
- 1H. Distinguish between cash transaction and credit transaction.
- 1I. Explain:
  - i) Transaction
  - ii) Account
- 1J. Who is a debtor and creditor?
- 1K. Differentiate between Gross profit and Net profit.
- 1L. What is a suspense account?

(2×10 = 20 marks)

✍ **Solve the following problems:**

2. Enter the following transactions in a cash book with Cash and Discount columns.

2004		Rs.
Feb 1	Commenced business with cash	10,000
Feb 4	Opened a current account in Vijaya Bank and deposited therein	5,000
Feb 5	Purchased goods for cash	2,000
Feb 8	Received cash for sales	1,500
Feb 10	Purchased goods for Rs.4,000 and paid by cheque.	
Feb 11	Sold goods on credit to Adarsh	5,000
Feb 15	Bought furniture for cash	3,000
Feb 16	Borrowed loan from Manoj	10,000
Feb 21	Paid for stationery	500
Feb 22	Cheque received from Adarsh for Rs.4,900 in full settlement of his account.	
Feb 28	Paid rent by cheque	500



3. Enter the following transactions in proper subsidiary books:

2008		Rs.
Jan 1	Purchased goods from Prathap, Mysore	800
Jan 3	Sold goods to Shivaram	300
Jan 4	Sold goods to Vinayaka	240
Jan 6	Bought goods from Venkatesh	900
Jan 7	Bought goods from Dattatreya	1,500
Jan 10	Shivaram returned goods	50
Jan 11	Bought goods from Gopal	1,500
Jan 12	Returned goods to Prathap	200
Jan 15	Returned goods to Dattatreya	100
Jan 17	Sold goods to Gururaj worth Rs.2,000, subject to a trade discount of 25%	
Jan 18	Vinayaka returned goods	40
Jan 20	Bought from Ananth	900

4. From the following trial balance, prepare the trading and profit and loss account for the year ended 31.12.2003 and the balance sheet as on that date after taking into account the adjustments at the end.

**Trial Balance**

Particulars	Dr. (Rs.)	Cr. (Rs)
Capital of Mr. Sharma		1,00,000
Drawings	16,000	
Stock 1.1.2003	35,000	
Purchases	1,49,000	
Sales		2,17,000
Purchases returns		1,600
Sales returns	6,000	
Land and Building	85,000	
Sundry Debtors	24,000	
Sundry Creditors		10,200
Bad debts reserve		2,000
Salaries	4,000	
Rent and taxes	1,800	
Discounts	400	
Wages	5,560	
Postage and stationery	1,860	
Furniture	2,000	
Carriage inwards	1,400	
Bad debts	1,240	
Bills receivable	1,700	
Bills payable		1,570
Bank overdraft		2,830
Cash	240	
	3,35,000	3,35,000

Value closing stock at Rs.45,560. Create 5% reserve for bad and doubtful debts; depreciate land and building at 20% and furniture at 5%. Rent of Rs.200 has been paid in advance.

5. Mayur started business with the following on 01/01/04

	<b>Rs.</b>
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:

		<b>Rs.</b>
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 Mayur.

(15×4 = 60 marks)

