MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2009
SUBJECT: FUNDAMENTALS OF MANAGEMENT

Saturday, December 12, 2009

Time: 10:00-13:00 Hrs.   Max. Marks: 80

1. Critically examine Maslow's Need Priority theory. Discuss the Deficit and Progression principles to explain this theory.

(6+4 = 10 marks)

2. Define leadership. What are its characteristics?

(3+7 = 10 marks)

3. Is Management a science or an art? Discuss your views on this.

(10 marks)

4. "There are several bases for departmentalization, each of which is suitable for particular corporate sizes, strategies and purposes." Discuss.

(10 marks)

5. Critically examine the advantages and disadvantages of internal and external recruitment.

(10 marks)

6. What is the importance of selection process? What are the steps in the selection procedure?

(4+6 = 10 marks)

7. **Write Short Notes on:**

7A. Placement and orientation.
7B. Types of training programmes.
7C. Requisites for excellent coordination.
7D. Sources of recruitment.

(5×4 = 20 marks)

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FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2009

SUBJECT: MEDICAL TERMINOLOGY – II

Friday, December 11, 2009

Time: 10:00-13:00 Hrs
Max. Marks: 80

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

   a) Vitiligo   b) Hyper trophy   c) Murmur   d) Tic

   e) Hypomania   f) Encephalomyelitis   g) Oligospermia   h) Oophoritis

   i) Conjunctivitis   J) Myringitis

   (1×10 = 10 marks)

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

   a) FUB   b) IHR   c) LSK   d) RM   e) ZEEP

   f) VDRL   g) GGE   h) HNC   i) MPD   j) UC

   k) TMT   l) PA   m) EMG   n) JA   o) NVD

   (1×15 = 15 marks)

3. **Briefly explain the following conditions.**

   a) Turner's syndrome   b) Hyperthyroidism   c) Chorea   d) Dysthymia

   e) Cryptorchidism   f) Dry eye syndrome   g) Vertigo   h) Brucellosis

   i) Q-Fever   j) Paroxysmal tachycardia

   (2×10 = 20 marks)

4. **Write down the exact medical term for the following explanation.**

   4A. Sleep of excessive depth or duration.

   4B. A disorder characterized by the deposition of amyloid in organs or tissues.

   4C. An involuntary discharge of urine.

   4D. Enlargement of the heart.

   4E. Decreased flow of oxygenated blood to an organ due to obstruction in an artery.

   (1×5 = 5 marks)

5. **Answer the following:**

   5A. Mention any five sexually transmitted disease and its causative organisms.

   5B. How do you distinguish phenylketonuria from alkaptonuria?

   5C. Explain in detail about sickle cell disease.

   5D. Mention any five diseases affecting heart.

   5E. Give an account of tuberculosis.

   5F. Explain in detail about epilepsy.

   (5×6 = 30 marks)

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FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2009

SUBJECT: EPIDEMIOLOGY AND BIOSTATISTICS

Thursday, December 10, 2009

Time: 10:00-13:00 Hrs   Max. Marks: 80

✍ **Answer ALL questions.**

1A. Enumerate advantages of probability sampling over non-probability sampling.

1B. Describe simple random sampling and stratified random sampling. Enumerate merits and demerits of these methods.

$$(4+(3+3) = 10 \text{ marks})$$

2A. Define arithmetic mean, median, standard deviation and coefficient of variation for a raw data.

2B. Calculate arithmetic mean and standard deviation for the following data.
Duration of hospital stay (in day): 5, 8, 12, 4, 7, 8, 10, 6, 9, 5

$$(4+6 = 10 \text{ marks})$$

3A. Enumerate uses of health information system.

3B. Write brief essays on census and sample registration system.

$$(2+(4+4) = 10 \text{ marks})$$

4A. Define epidemiology. Enumerate uses of epidemiology.

4B. Describe case-series analysis.

$$((1+3)+6 = 10 \text{ marks})$$

5.   Write short essays on the following:

5A. Steps involved in research process.

5B. Scales of measurements.

5C. Graphical presentation of data.

5D. Normal distribution.

5E. Pearson's correlation coefficient.

5F. Fertility statistics.

5G. Characteristics of good hypothesis.

5H. Types of variables in research.

$$(5 \times 8 = 40 \text{ marks})$$