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## MANIPAL UNIVERSITY

FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2015

SUBJECT: BHI 202 – MEDICAL TERMINOLOGY – II/MEDICAL LANGUAGE - II  
(OR & 2013 SCHEME)

Wednesday, December 16, 2015

Time: 10:00-13:00 Hrs

Max. Marks: 80

1. Explain the following medical terms:

- 1A. Aspiration
- 1B. Hemochromatosis
- 1C. Metastasis
- 1D. Cystitis
- 1E. Dystocia
- 1F. Insomnia
- 1G. Spleenomagaly
- 1H. Biopsy
- 1I. Amenorrhea
- 1J. Mutism

(1 mark × 10 = 10 marks)

2. Expand the following abbreviations:

- 2A. GFR
- 2B. DAMA
- 2C. BCG
- 2D. OHS
- 2E. ECS
- 2F. EOM
- 2G. ADMR
- 2H. RDS
- 2I. PID
- 2J. JVP

(1 mark × 10 = 10 marks)

3. Briefly describe the following conditions:

- 3A. Congestive Heart Failure
- 3B. Infantile Spasm
- 3C. Fetishism
- 3D. Metabolic acidosis
- 3E. Lactose intolerance

- 3F. Presbyopia
- 3G. Pyonephrosis
- 3H. Addison's disease
- 3I. Shigellosis
- 3J. Prebycusis

(2½ marks × 10 = 25 marks)

4. Give the correct medical term for the following:

- 4A. Excessive urination at night
- 4B. Flowing back of contents from the stomach back to oesophagus
- 4C. Disorder of the brain leading to convulsive spasm
- 4D. Morbid fear of height
- 4E. Lateral curvature of spine

(1 mark × 5 = 5 marks)

5. Answer the following questions:

- 5A. Explain in detail about oral cancer and tumor
- 5B. How will you distinguish between alzheimer's and parkinson's disease
- 5C. Write down the characteristic features of acromegaly and addison's disease
- 5D. Explain in brief five disease conditions affecting the cardiovascular system
- 5E. Explain in details about HIV AIDS
- 5F. Give an account of Down's syndrome

(5 marks × 6 = 30 marks)



**MANIPAL UNIVERSITY****FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2015****SUBJECT: FUNDAMENTALS OF MANAGEMENT  
(OLD REGULATION)**

Friday, December 18, 2015

Time: 10:00-13:00 Hrs.

Max. Marks: 80

**✍ Answer ALL the questions:**

1. Define management. Is management a science or an art? Can management be called a profession yet? Discuss both the issue giving your own opinion.  
(2+4+4 = 10 marks)
2. Define planning. Discuss the steps involved in planning. What are the various types of planning?  
(2+4+4 = 10 marks)
3. Is leader the same as manager? Discuss. What are the ingredients for an effective leadership? What skills does a leader require?  
(3+4+3 = 10 marks)
4. Define coordination. What are the requisites for an excellent coordination? Distinguish between coordination and cooperation.  
(2+5+3 = 10 marks)
5. What is decision? What are the different types of decisions? Explain each type.  
(2+8 = 10 marks)
6. Define communication. Discuss formal and informal communication, giving diagrammatic representations where applicable.  
(2+8 = 10 marks)
7. **Write short notes on:**
  - 7A. Need for counselling
  - 7B. Hurdles in mentoring
  - 7C. Control techniques
  - 7D. Departmentalization

(5 marks × 4 = 20 marks)



# MANIPAL UNIVERSITY

**FOURTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – DECEMBER 2015**

**SUBJECT: EPIDEMIOLOGY & BIostatISTICS (BHI 204)**  
(2013 SCHEME)

Saturday, December 19, 2015

Time: 10:00-13:00 Hrs.

Max. Marks: 80

1. Explain qualitative and quantitative variables with examples. (4 marks)

2. Classify the following into the four different scales of measurement:

- a) Pain score (mild/moderate/sever)
- b) IQ
- c) Religion
- d) Weight

(4 marks)

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

<b>Hb (mg/ dl)</b>	11 – 12	12 – 13	13 – 14	14 – 15	15 – 16	16 – 17
<b>No. of persons</b>	6	9	12	7	4	2

(5 marks)

4. **State whether true or false:**

- 4A. Normal distribution curve is positively skewed
- 4B. Mode always exists and is unique
- 4C. Range is the difference between the maximum and minimum value
- 4D. (Standard deviation)<sup>2</sup> = variance
- 4E. Median is a measure of dispersion

(5 marks)

5. **Define the following:**

- 5A. Post neonatal mortality rate
- 5B. Age specific fertility rate

(2+2 = 4 marks)

6. The following data provides hemoglobin level of 15 patients who visited a clinic. Calculate 3<sup>rd</sup> quartile and 40<sup>th</sup> percentile.

12   15   13   19   17   11   15   14   12   16   19   15   9   13   10

(6 marks)

7. Obtain variance 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

(6 marks)

8. Define coefficient of variation. Mean and standard deviation of height of group of girls is 64 and 2 inches respectively. The mean and standard deviation of their Hb level is 12 and 1 gm% respectively. Is height more variable than Hb level?

(5 marks)

9. Define correlation and list the properties of correlation coefficient.

(5 marks)

10. Suppose that total carbohydrate intake in 12 to 14 year old boys is normally distributed with mean 124 g/Kcal and standard deviation 20 g/Kcal. What percent of boys in this age range have carbohydrate intake.

- a) Above 144 g/Kcal
- b) Below 124 g/Kcal
- c) Between 84 and 144 g/Kcal

(2 marks  $\times$  3 = 6 marks)

11. **Write short notes on:**

11A. Validity

11B. Morbidity and its measures

11C. Simple random sampling

11D. Research process

11E. Registration of vital events

11F. Descriptive epidemiology

(5 marks  $\times$  6 = 30 marks)

