

Master

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN ANATOMY EXAMINATION
APRIL 2021

STATISTIC MODULE (MODULE 3)

Date:- 8th April 2021

Time:- 10.30 a.m. – 11.30 a.m.

SEQ PAPER

Answer all four (04) questions.

Answer each question in a separate book.

1.

1.1. For the following data: 1, 3, 3, 2, 36

1.1.1. Calculate the mean, the median, the mode and the range. (20 marks)

1.1.2. What is most appropriate from the above to describe the central tendency? (20 marks)

1.1.3. Give reasons for the answer in question 1.1.2. (20 marks)

1.2. List four (04) properties of the normal curve. (40 marks)

2. Find X, Y, Z and the mean for the following data. (100 marks)

1		1 X 2
2		5 Y 5
3		9 Z

Contd..../2-

3.

3.1. Draw a stem and leaf plot for the following data: 3, 6, 9, 10, 15, 28, 21, 27, 42, 84. (50 marks)

3.2. For the following data: 18, 25, 27, 28, 29, 31, 32, 33, 41, 42,

3.2.1. Calculate the first, the second and the third quartiles. (30 marks)

3.2.2. What is the inter-quartile range? (20 marks)

4.

4.1. Indicate the scale of measurement for the following variables.
Socio-economic status, race, height, age, distance (30 marks)

4.2. Describe the difference between a left skewed and a right skewed distribution. (70 marks)

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INTERGRATED HUMAN ANATOMY MODULE (MODULE 11)

Date:- 8th April 2021

Time:- 9.30 a.m. – 10.00 a.m.

SEQ PAPER

Answer all two (02) questions.

Answer each question in a separate book.

1. A 60-year-old patient presented to the surgical clinic with a parotid lump on the right side.
 - 1.1. Describe the location of the parotid gland. (20 marks)
 - 1.2. List three (03) main structures that are contained within the parotid gland with their relationship to each other. (15 marks)
 - 1.3. Describe the opening of the parotid duct in the mouth. (15 marks)

2. A 36-year-old patient underwent total thyroidectomy for a papillary carcinoma of the thyroid gland.
 - 2.1. List the nerves related to the thyroid gland. (10 marks)
 - 2.2. Briefly describe the anatomical basis of clinical manifestations following damage to the nerves mentioned in 2.1 during surgery. (15 marks)
 - 2.3. Outline the arterial supply to the thyroid. (25 marks)