



School of Digital Health

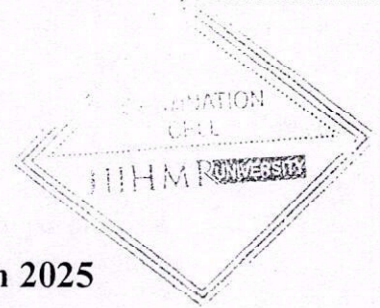
MBA Healthcare Analytics

Batch-01st (2024-2026)

First Year, Term 2, End Term Examinations, March 2025

CC – 609 Healthcare Financial Analytics

Enrolment No.:



Time - 3 Hour

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 2 printed pages.
- Don't write anything on the Question Paper except writing your Enrolment No.

Part A

(Maximum Marks: 5)

Q1. Choose the correct option for the following questions (1 mark each):

- a. A line chart is most useful for displaying:
- i. Data trends over time
 - ii. Frequencies of categorical data
 - iii. Outliers in data
 - iv. Relationships between two categorical variables
- b. A boxplot is used to show:
- i. The distribution of data based on quantiles
 - ii. The relationship between two variables
 - ii. The frequency distribution of data
 - iv. Changes in data over time
- c. Cost of capital refers to:
- i. dividend
 - ii. interest
 - iii. required rate of return
 - iv. Debt
- d. Days sales outstanding is 30 days, days payable outstanding is 40 days and days sales inventory is 45 days. What will be the cash conversion cycle?
- i. 30 days
 - ii. 35 days
 - iii. 40 days
 - iv. 45 days
- e. Which one of the following is a measure of risk of return on a security?
- i. capital gain
 - ii. dividend yield
 - iii. mean
 - iv. variance

Part B

(Maximum Marks: 15)

Answer the following questions (5 marks each):

- Q2. A machine requires ₹60000 to be paid at the end of every six months for four years if the appropriate discount rate is 8%, what is a fair price for the machine?
- Q3. Discuss the relevance of Signaling theory of dividends with a suitable example.
- Q4. Discuss various components of time series variables. How can these affect the stationarity of the time series variables?

Part C

(Maximum Marks: 30)

Answer the following questions in detail (10 marks each):

- Q5. What are the three approaches of working capital financing strategies? Discuss each of these strategies in details.
- Q6. A business requires ₹9000,000 for office and equipment. The financial plan comprises of ₹3600000 loan at rate 8% interest per year, ₹2700000 of bank loan at 9% interest per year and ₹ 2700000 of owner capital. If owners' capital could earn 12% per year by investing it in the capital market. The applicable tax rate is 25%. What is the weighted average cost of capital?
- Q7. What does 'financial analytics' mean? What are the different types of financial analytics, and what exact purpose do they serve? Explain using suitable examples.

