Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – SEP-2017

Time: Three Hours Max. Marks: 80 Marks

Hospital Operation Management

Q.P. CODE: 1305

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Discuss the various stages in the planning of a hospital.
2. What is ambulatory service? Discuss the planning and designing consideration for a patient friendly ambulatory service.
3. "Chaos cannot be prevented during the first minutes of a major accident or disaster. But it has to be the aim of every disaster operation plan to keep this time as short as possible." Discuss.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Guiding principles in planning a hospital
5. Planning and design consideration for a infection free intensive care unit
6. Duties and responsibilities of the governing board
7. Importance of CSSD and its design consideration
8. Importance of zooning in operation theatre
9. Write a note on manifold system.
10. Discuss the importance of admitting department and its planning consideration.
11. Write a note on the types of committees in a hospital and its functions.
12. Designing consideration for air conditioning system in hospital
13. Planning and designing consideration for labour and delivery suite in a hospital

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Gantt chart
15. Inventory of linen maintained in hospital
16. What is Rig's ward?
17. Layout of the food service department
18. Types of equipment in hospital
19. Difference between a bed capacity and a bed compliment
20. Drug distribution methods in the hospital
21. Unit record
22. Filling of records in a hospital
23. Hospital formulary
24. Enumerate the promotional tools used by hospital to promote hospital.
25. Estimated requirement of water in a hospital

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – SEP-2017

Time: Three Hours Max. Marks: 80 Marks

Business Statistics: Q.P. CODE: 1306

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Describe different graphical methods of presentation of data.
2. Following are the quantity purchased and cost per unit of five items in a hospital over two years. Calculate the index numbers for the cost of purchase of all items by Paasche's method for the year 2010 with 2006 as the base year:

items	Quantity purchased Year 2006	Cost per unit in 2006	Quantity purchased Year 2010	Cost per unit in 2010
Item 1	31000	3.41	32400	7.00
Item 2	17600	6.10	18800	9.00
Item 3	14000	6.66	15600	11.00
Item 4	17800	7.36	19000	8.98
Item 5	92000	4.32	94000	8.88

3. Describe the scope of statistical methods in hospital administration.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Describe different types of trends in understanding Time series analysis.
5. Describe Laspeyres method of calculation of Index Number.
6. Describe Spearman's rank correlation.
7. Describe Moving Averages for fitting of trends.
8. Describe least square method of fitting trends.
9. Calculate the standard deviation and co-efficient of variation for the following data on OPD attendance on a sample of ten days:

115	121	120	118	122	116	118	120	117	123

10. Describe Pearsonian correlation coefficient and its use.
11. Describe different aspects to be taken into consideration for calculation of Index numbers.
12. Describe different types of averages.
13. Describe calculation of percentiles and quartiles.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Qualitative and quantitative data
15 Index numbers
16. Bar-diagram and histogram
17. Role of mean and median as measures of central tendency
18. Seasonal and cyclic trends
19. Moving averages
20. Composite and proportional bar diagram
21. Weighted average and arithmetic average
22. Regression coefficient
23. Use of Spearman's rank correlation
24. Role of market for assessing calculation of index numbers
25. Difference between mean deviation and standard deviation

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – APRIL 2017

Time: Three Hours Max. Marks: 80 Marks

Business Statistics

Q.P. CODE: 1306

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. From the prices of shares X and Y given below find out which is more stable in value:

X	35	54	52	53	56	58	52	50	51	49
Y	108	107	105	105	106	107	104	103	104	101

2. Describe applications of statistical methods in hospital management.
3. Which, are the methods used for Summarization of Data? Explain with examples.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Briefly describe the methods of tabulation of data.
5. What is time series? Describe the components of time series analysis.
6. Describe different types of diagram.
7. What is index number? Explain briefly its classification.
8. What is central tendency? Explain Arithmetic mean, Median and Mode.
9. Define Statistics. Explain its scope and limitations.
10. Describe correlation and regression techniques in analysis of data.
11. Write a note on measures of dispersion.
12. Describe the term coefficient of correlation.
13. Briefly explain the difference between diagram and graph.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. What is least square method?
15. List-out some of the characteristics of good averages.
16. What is central tendency?
17. What is a measure of dispersion?
18. What is time series?
19. Define statistics.
20. What is quartile deviation?
21. What is rank correlation?
22. List-out the methods of constructing index number.
23. What is range?
24. What is mean deviation?
25. What is simple average method?

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination –SEP-2017

Time: Three Hours Max. Marks: 80 Marks

Project Management

Q.P. CODE: 1307

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Explain in detail the various steps involved in Project Appraisal.
2. Discuss on Project Management Functions.
3. What is Project Management? Explain Project Life Cycle.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Explain different phases in Project Management.
5. Explain Leadership as a Project Management Function.
6. Distinguish between Project Driven and Non-Project Driven Organization.
7. Explain Project Management Triangle.
8. Discuss Project Manager as a Planning Agent.
9. Discuss on Work Break Down Structure.
10. Explain Financial Feasibility in Project Management.
11. Explain the concept of PERT.
12. Explain Project Authority.
13. Explain different elements of Project Cost.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. What is meant by Burst Event?
15 What is Project Review Meeting?
16. What is meant by Milestone?
17. What is meant by Autocratic Leadership?
18. What is meant by Project Planning?
19. Who is a Change Agent?
20. Who is Project Manager?
21. Explain the concept of Network.
22. What is meant by Work Package?
23. What is meant by Motivation?
24. What is Status Reporting?
25. What is Project Cost?

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination –APRIL 2017

Time: Three Hours | Max. Marks: 80 Marks

Project Management

Q.P. CODE: 1307

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. What is project management? Explain project management functions.
2. Explain project planning cycle.
3. Explain project driven and non-project driven organization.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. What are the characteristics of a project?
5. Explain different phases in project management.
6. Explain five key project management variables.
7. Explain PERT.
8. Explain team building in project management.
9. Explain program management v/s project management.
10. Explain the role of a project manager.
11. Explain different elements of project cost.
12. Explain financial feasibility in project management.
13. Explain WBS.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Define project.
15. What is meant by burst event?
16. What is project authority?
17. What is status reporting?
18. What is project cost?
19. What is project control?
20. What is project triangle?
21. What is innovation?
22. What is meant by autocratic leadership?
23. Explain the concept of network.
24. What is a crash time?
25. What is an event?

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – APRIL 2017

Time: Three Hours | Max. Marks: 80 Marks

Health Economics

Q.P. CODE: 1308

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Explain the law of demand with the help of suitable diagramme and state the factors determining demand.
2. Explain the important objectives of modern business firm.
3. Explain the various phases of business cycles with suitable diagramme.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Micro and macro economics
5. Briefly explain the scope of business economics.
6. State the characteristics of perfect competition.
7. Forms of utility
8. Extension in demand and contraction in demand
9. Total revenue, Average revenue, and Marginal revenue
10. Methods of demand forecasting
11. Fixed costs and variable cost
12. Briefly explain the phases of business cycles.
13. Health economics

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Define business economics.
15. What is decision making?
16. What is price?
17. Give the meaning of utility.
18. What is business cycle?
19. What is monopoly?
20. Define price discrimination.
21. What is revenue?
22. What is economics scale?
23. What is health?
24. What is demand?
25. Define cost.

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – SEP-2017

Time: Three Hours | Max. Marks: 80 Marks

Health Economics

Q.P. CODE: 1308

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3. Explain the various phases of business cycles with suitable diagramme.

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