Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – MARCH 2018

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 planning and designing requirements for the CSSD in a hospital.
2. Illustrate and discuss the workflow and functional design for an effective pharmacy in a hospital.
3. Write a note on the planning consideration for a labour and delivery suite that ensures patient safety and effective workflow.

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

4. Discuss the various classifications of hospitals.
5. Design consideration for a Human Resource department in a hospital
6. Role of housekeeping department in ensuring patient safety
7. Discuss the importance and functional areas of a laboratory in a hospital.
8. Discuss the factors considered in choosing a site for a hospital.
9. Discuss the role and functional design consideration for an emergency department.
10. Write a note on disaster management process.
11. Manifold system planning consideration
12. Guiding principles in planning a hospital
13. Duties and responsibilities of a Hospital Administrator

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

14. Size of active inventory in a hospital laundry
15. Hospital zoning
16. Types of equipment maintenance
17. What is Gantt chart?
18. Differentiate between a programme and a project
19. Straight numeric and terminal digit filing system
20. Differentiate between a business unit and an accounting unit
21. Carpet area, plinth area and super-up area
22. What is an Architects brief?
23. Enumerate the criteria's before computerization.
24. Any five function of a Pharmaco-Therapeutic committee
25. Members in a hospital design team

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

1. What is project and a program? Discuss the various steps involved in project formulation and implementation.
2. Write a note on the design considerations for the Centralized Medical Gas system in a hospital.
3. Discuss the functions and design consideration for the financial management unit in a hospital.

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

4. Write a note on hospital committee and other functionaries.
5. “Success of a hospital depends on getting the circulation routes right”. Discuss.
6. Write a note on the importance of disaster management in hospital.
7. Discuss the factors that effect hospital utilization.
8. Duties and responsibilities of a governing board
9. Planning should follow function. Discuss in relation to designing radiological services
10. Discuss the classification of hospitals.
11. Physical facilities, location and space required for out-patient department in a hospital. Illustrate with suitable diagram
12. Physical facilities and designing consideration for radiology department
13. Design consideration for efficient planning of an emergency department

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

14. Area required per bed in planning a hospital
15. What is Shake Down period?
16. Nurse – patient ratio required in the critical areas in hospital
17. What is Marketing mix?
18. Classification of hospital equipment’s.
19. Enumerate the legal requirements for a hospital.
20. What is Triage?
21. Which are the beds that are not included in the bed capacity?
22. What is Site Cover Percentage? Write a note on Floor Area Ratio.
23. Estimated liquid and solid waste generated in a hospital
24. Laboratory space unit
25. Rigs wards and nightingale ward

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – SEP-2018

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 measures of variability of data.
2. In an evaluation of answer script the following marks are, awarded by the examiners. Find out if there is any relationship between the two values using Spearman's rank correlation coefficient.

1st examiner	88	95	70	96	50	80	75	85
2nd examiner	84	90	88	55	48	85	82	72

3. What is meant by time series analysis? Describe the components of time series.

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

4. Interpret which one has higher variability of the following two sets of data:

a.	Waiting time at reception counter	Mean : 6.5 mts	S.D. : 2.5 mts
b.	OPD attendance per day	Mean : 55	S.D. : 5.5

5. Describe methods of calculation of Pearsonian correlation and regression of a set of data.
6. Describe the differences between arithmetic average and geometric average and their uses.
7. List-out all types of index numbers.
8. Describe least square method of fitting regression lines.
9. Illustrate four graphical methods of presentation of data.
10. Calculate the weighted average of the marks obtained by a student with the following data:

Marks obtained in four examinations	75	60	62	60
Weight given for each examination	1.0	1.5	2.0	2.5

11. Describe the difference between simple aggregate method and weighted index numbers.
12. Describe considerations for fitting index numbers.
13. What are the limitations of statistics?

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

14. Percentiles
15 Inter quartile range
16. Secular trend
17. Seasonal trend
18. Moving averages
19. Mean and median
20. Price relative method of index number
21. Proportional bar diagram
22. Scatter diagram
23. Frequency distribution table
24. Two way classification of data
25. Statistics and statistical methods

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – MARCH 2018

Time: Three Hours Max. Marks: 80 Marks

Business Statistics

Q.P. CODE: 1306

(QP contains two pages)

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 measures of central tendency of data.
2. What is meant by Time Series Analysis? Describe the components of Time Series.
3. Following are the quantity of certain items purchased in a hospital during different years. Assess the variations in the cost using index numbers calculated by simple aggregate method.

		Cost per unit in various years in Rs				
Item	Quantity Marketed in Year 2006	2006	2007	2008	2009	2010
Item 1	31000	3.41	4.68	4.75	6.00	7.00
Item 2	17600	6.10	7.40	7.78	8.75	9.00
Item 3	14000	6.66	8.94	10.65	9.45	11.00
Item 4	17800	7.36	7.25	7.65	7.89	8.98
Item 5	92000	4.32	5.90	5.19	7.78	8.88

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

4. Briefly describe different measures of Dispersion illustrating their applicability in different situations.
5. Describe Least square method of forecasting.
6. Describe different graphical methods of presentation of data.
7. List-out all types of Index numbers.
8. Describe the difference between Simple Aggregate method and Weighted Index numbers.
9. Describe considerations for fitting Index numbers.
10. 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

11. Describe Paasche's method of Index numbers.
12. Describe briefly the scope of Statistical methods in Hospital Administration.
13. Describe different types of trends in Time Series data.

Rajiv Gandhi University of Health Sciences, Karnataka

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

14. Pie chart
15 Composite Bar diagram
16. Percentiles
17. Moving averages
18. Proportional Bar diagram
19. Scatter diagram
20. Index numbers
21. Bar-diagram and Histogram
22. Weighted averages
23. Mean Deviation
24. Use of Geometric Average
25. Use of Spearman's Rank Correlation

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Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination –SEP-2018

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 McKinsey's 7's model in project management.
2. Explain concept on project appraisal.
3. Explain concept of PERT and CPM.

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

4. Explain project manager as line manager and staff manager.
5. Explain program management Vs project management.
6. Briefly explain project life cycle.
7. Briefly explain steps involved in project planning cycle.
8. Distinguish project driven and non-project driven organization.
9. Explain the role of project manager.
10. Explain marketing and technical feasibility in project management.
11. Explain project pricing.
12. Describe controlling function in project management.
13. Discuss crash time.

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

14. What is meant by project management?
15 What is meant by work package?
16. What is meant by critical path?
17. What is a milestone?
18. Explain the concept of review meetings.
19. What is WBS?
20. What do you mean by feasibility study?
21. What do you mean by project authority?
22. What is project specification?
23. What is project cost?
24. Write a short note on project management triangle.
25. What is meant by motivation?

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination –MARCH - 2018

Time: Three Hours Max. Marks: 80 Marks

Project Management

Q.P. CODE: 1307

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

1. Explain the concept of Project Authority.
2. Explain Project Planning Cycle.
3. Explain concept of Project Appraisal.

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

4. Explain Program management and Project management.
5. Discuss on Project Schedule.
6. Explain the concept of CPM.
7. Discuss on Project Manager.
8. Explain the role of WBS.
9. Discuss Project Cost System.
10. Explain Executive's management role in Project Management.
11. Explain technical and marketing analysis in Project Management.
12. Explain Project Management Triangle.
13. Briefly explain steps involved in Project Planning Cycle.

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

14. Define Project.
15 What is a Milestone?
16. What is Project Specification?
17. What do mean by Feasibility Study?
18. What is WBS?
19. What is Work Package?
20. What is meant by Merge Event?
21. What do you mean by Project Control?
22. What is Project Schedule?
23. What is meant by Democratic Leadership?
24. What is meant by Project Review Meetings?
25. What is meant by Controlling?

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Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – MARCH 2018

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. What is national income and explain the various concepts of national income.
2. Define the monopolistic competition market and explain the various features of the market.
3. Give the meaning of business cycle and explain the various phases of business cycles.

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

4. Importance of national income estimates
5. Pricing methods
6. Increasing returns and diminishing returns
7. Micro and macro economics
8. Write a note on total utility, average utility and marginal utility.
9. Role of time element in value determination
10. Write a note on perfect competition market.
11. Write a note on oligopoly market.
12. Cardinal and ordinal utility analysis
13. Levels of demand forecasting

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

14. Define per capita income.
15 What is disposable personal income?
16. What is place utility?
17. Define profit.
18. What is recession?
19. What is marginal cost?
20. What is dumping?
21. What is griffin paradox?
22. What is production?
23. Define law of variable proportions.
24. What is business cycles?
25. Define health economics.

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II semester Bachelors in Hospital Administration Degree Examination – SEP-2018

Time: Three Hours | Max. Marks: 80 Marks

Health Economics

Q.P. CODE: 1308

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