

Rajiv Gandhi University of Health Sciences

II Semester Master in Public Health Degree Examination – OCT-2019

[Time: 3 Hours]

[Max. Marks: 100]

MASTER IN PUBLIC HEALTH PUBLIC HEALTH INFORMATICS

Q.P. CODE: 9769

(QP contains two pages)

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

LONG ESSAY

3 X 10 = 30 Marks

1. You are the chief data administrator in a public health department. Your department operates all system on internet. Explain how can protect your computers from malicious website and software's from intruding into your system and database.
2. Discuss types of organizational change and impart of each on public health organization.
3. Discuss decision support system with its application in public health.

SHORT ESSAY (Answer any ten)

10 X 05 = 50 Marks

4. Define telemedicine. Discuss various types and application of telemedicine in public health.
5. Explain various risk factors in public health information systems.
6. Discuss the types of computer networking with suitable example.
7. Rapid prototyping – discuss.
8. List the criteria by which an IT project manager can identify computer expert.
9. Explain the change management strategies to reduce the resistance to change.
10. In what ways are public health organizations mission, organization and process connected to IRM planning?
11. Public health informatics applications explore the potential for prevention at all vulnerable points in the causal chains leading to disease, injury or disability, applications are not restricted to particular social, behavioural or environmental context. Comment.
12. Discuss the scope of social networking sites in public health.
13. Discuss primary key and its importance in public health informatics.
14. Illustrate the privacy, confidentiality and security in relation to public health informatics.
15. Discuss the limitations of GIS.

OBJECTIVE TYPE (MCQ) – write correct answer

10 X 02 = 20 Marks

16. Software (programs) consists of instructions that control the computer. True / False
17. Which of the following is not an input device?
 - a) Scanner
 - b) Digital camera
 - c) Microphone
 - d) None of the above
18. Choropleth mapping
19. Relational data bases
20. A strong password
21. List the disadvantages of public health information system.
22. Secondary key is necessary for a database. How?
23. Information architecture includes:
 - i. Provide a solution to the problems created by piecemeal system development
 - ii. A planned approach to building the enterprise wide information
 - iii. Enhanced system interoperability

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- iv. It returns the locus of control of information system development to the execution level.
- a) All of the above
 - b) None of the above
 - c) Only (i)
 - d) (i), (ii), & (iv)
24. Mention two advantages and disadvantages of mHealth.
25. List any two types of printers and mention one advantage of each.

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