THE OPEN UNIVERSITY OF SRI LANKA FACULTY OF HEALTH SCIENCES DEPARTMENT OF NURSING ACADEMIC YEAR 2018/2019 – SEMSETER II

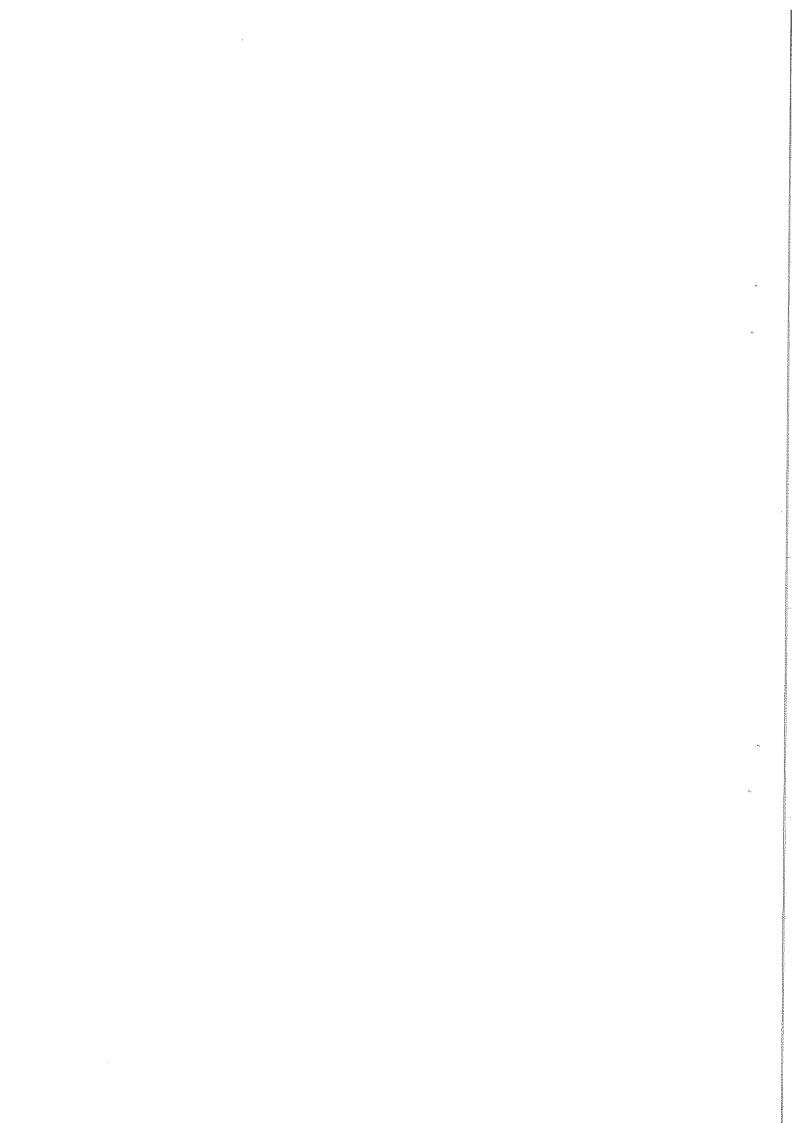


BACHELOR OF SCIENCE HONOURS IN NURSING NGU5208 HEALTHCARE INFORMATICS- LEVEL 5 FINAL EXAMINATION

DATE: 08TH NOVEMBER 2019

TIME: 02.00PM -04.00 PM

INDEX NO:



| | Index No: | | | |
|---------------------------------------|---|--|--|--|
| Part B –Fill in the blanks (10 marks) | | | | |
| Fill in | Fill in the blanks by using given words below. | | | |
| 1. | Role of informatics emerged with the implementation of the | | | |
| 2. | refers to how much the user believes that the | | | |
| | technology will help to improve the performance/efficiency. | | | |
| 3. | is a unique healthcare identification to all Sri | | | |
| | Lankans. | | | |
| 4. | focus on transiting individuals and groups | | | |
| | from current to a future state. | | | |
| 5. | is a popular technique which include | | | |
| | machine learning methods for unstructured data. | | | |
| 6. | are now routinely used to improve | | | |
| | individual's healthy behaviours. | | | |
| 7. | monitors the patient who are in risk through | | | |
| | infra-red camera. | | | |
| 8. | denotes the recording of data in the same | | | |
| | way and with the same meaning across records. | | | |
| 9. | is a recommendation for future development | | | |
| | in nursing education in Sri Lanka. | | | |
| 10. | A specific plan should be developed for of | | | |
| | data. | | | |

(Artificial Intelligence, Electronic Health Record/ EHR, Simulation lab, Electronic Medical Record/ EMR, Perceived Usefulness, retrieval, Consistency, Personal Health Number, Personal Health Record, Change management, Wearable devices, Fall surveillance systems)

| Part | C - Short Answer Questions | (40 marks) |
|-------|---|---|
| | stion 01 | |
| | Briefly explain the term "Ergonomics" | (5 marks) |
| | | |
| | | |
| | Write five (05) common causes of ergonomic problems/ injuries | (5 marks) |
| I. | | |
| II. | | |
| III. | | |
| IV. | | |
| V. | | |
| 1.3 E | Briefly describe five (05) appropriate strategies which can be followed | l by administrative |
| level | to reduce ergonomic problems/ injuries among workers | (10 marks) |
| I. | | ······································ |
| | | •••••• |
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| II. | | |
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| III. | | *************************************** |
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| IV. | | |
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| V. | | |
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| Question 02 | |
| 2.1 Project related to Health Information Technology (HIT) will result in delivering soft | ware |
| products such as EHR. List five (05) specific skills to manage HIT products and services. | |
| (5 mar | ks) |
| I | |
| II | |
| III | |
| IV | |
| V | |
| 2.2 Write triple constraints of a Project (3 ma | rks) |
| I | |
| П | • • • • • |
| III | |
| 2.3 Briefly describe the importance in considering above triple constrains in necessary de | etail |
| at the beginning of the project (6 mark | s) |
| | |
| | |
| | |
| 2.4 Briefly discuss the importance of change management during the implementation of | tho |
| new clinic software (6 mass | |
| tiew crime software (O mai | .KS) |
| | |
| | |
| | • • • • |

| Part D – Short Essay Question (SEQ) | (20 marks) |
|--|---|
| Question 01 | |
| The development and evolution of application, tools, processes, and structur | es which assist |
| ourses with the management of data help them in their daily practice to reduce | time wasting in |
| manual data registration, and allowing more contact with the patient. | |
| .1 Write four (04) main areas where nursing informatics can be applied and | briefly discuss |
| now nurses can apply nursing informatics for above four areas to reduce time v | wasting |
| | (12 marks) |
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| Index Ivo: |
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| 1.2 Briefly discuss the challenges faced by nurses when implementing healthcare informatics |
| (08 marks) |
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