

# BINDURA UNIVERSITY OF SCIENCE EDUCATION

## EDUCATIONAL TECHNOLOGY DEPARTMENT

### NS213 - E-LEARNING IN NURSING EDUCATION - A

DURATION: 3 HOURS

#### INSTRUCTION TO CANDIDATES

This paper carries section A and section B. Answer **ALL**.

**ALL** questions to be answered in the answer booklet provided

Marks are indicated in brackets at the end of each question. Total marks are **100**.

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#### SECTION A ----- [40]

**Answer all Section A questions on the Exam question paper encircling correct answer or writing where space is provided.**

- 1) Which one of the following types of computers is most likely to be used by a travelling salesman? [2]
  - A. A desktop computer.
  - B. A tablet PC.
  - C. A server.
  - D. A laptop.
- 2) Which one of the following types of software would you most likely use to create a letter? [2]
  - A. Web browsing software.
  - B. Spreadsheet software.
  - C. Accounting software.
  - D. Word processing software.
- 3) Which one of the following measures the speed of the CPU? [2]
  - A. Gigahertz (GHz).
  - B. Bits per second (Bps).
  - C. Gigabytes (GB).

D. Megabytes (MB).

- 4) The intersection of a row and a column is called a \_\_\_\_\_. [2]
- 5) Where is the fill handle located? [2]
- A. At the beginning of any formula or function
  - B. In Backstage view
  - C. In the bottom-right corner of the selected cell
  - D. On the right side of the Home tab on the Ribbon

C	D	E	F	G	H
\$453.00	\$289.00	\$382.00	\$385.00	\$202.00	\$402.00
\$144.00	\$196.00	-\$36.00	\$393.00	\$19.00	\$487.00
-\$19.00	\$22.00	\$64.00	\$14.00	\$258.00	-\$82.00

- 6) In the image above, why does the value in cell G1 look slightly different from the value in the formula bar? [2]
- A. It's using an absolute cell reference
  - B. It's using the Currency number format
  - C. It's using conditional formatting
  - D. It's using a formula
- 7) You can click the tabs at the bottom of a workbook to switch between? [2] A.number formats
- B. formulas
  - C. worksheets
  - D. permissions
- 8) Suppose you made an error while creating your document. You used the word "maroon" instead of "burgundy" in several places. What is the quickest way for you to correct your mistake? [2]
- A. Use the Spelling and Grammar feature
  - B. Insert SmartArt
  - C. Delete all of the text and start over
  - D. Use the Find and Replace feature
- 9) If you are printing multiple copies of a document and want the pages to be sorted 1, 2, 3, 1, 2, 3, which option would you use? [2]
- A. Collated
  - B. Portrait Orientation
  - C. Export

- D. Uncollated
- 10) Suppose you've created a bulleted list, but the bullets are too close to the text. What is the best way to fix this? [2]
- A. Change the page orientation
  - B. Press the Tab key to indent the text
  - C. Adjust the indent markers on the Ruler
  - D. Press the Caps Lock key on your keyboard
- 11) State one advantage of using Word's built-in styles? \_\_\_\_\_. [2] A. You can quickly format all of the images in your document.
- B. You can quickly change the look of your entire document.
  - C. You can use Revision Styles to keep track of changes to the document.
  - D. You can easily give your document a professional look and feel.
- 12) One advantage of using Ms. PowerPoint in education is? \_\_\_\_\_. [2]
- 13) If you add background music and want it to continue playing for the entire presentation, which feature should you use? A. Trim audio
- B. Rewind after playing
  - C. Play across slides
  - D. Slide Master view
- 14) Let's say you want to add a company logo to the bottom-right corner of every slide. What's the most efficient way to do this?
- A. Insert the logo once, copy it, then paste it to the other slides
  - B. Use the pen tool to draw the logo
  - C. Insert the logo on the Slide Master
  - D. Copy the picture, select all of the slides in the Navigation Pane, right-click, and choose Paste
- 15) True or False: You can add action buttons in Slide Master view.
- A. True
  - B. False
- 16) True or False: You can add action buttons in Slide Master view.
- A. True
  - B. False
- 17) The media that distance education can rely on include the Internet, TV, radio, etc. In recent years, distance education based on the Internet (PC and mobile devices) has become more and more popular.
- A. True
  - B. False
- 18) Escalating population growth and rising demand for education call for increasingly promoting distance education.



- A. True
  - B. False
- 19) Distance education is recognized as a rational, cost-effective means to widen educational opportunities. A.True  
B.False
- 20) Which of the following statements about distance learning is inaccurate?
- A. In distance learning, teachers and students are often separated in space, instead of appearing in face-to-face classrooms at the same time.
  - B. In distance learning, teachers will use different technologies and tools to ensure synchronous or asynchronous communication.
  - C. Distance learning requires teachers to have a high level of technology, and also requires high economic costs. So, it is difficult for teachers themselves to develop distance learning.
  - D. Distance education can support and empower teachers. With the help of distance learning, teachers can be more flexible, innovative and creative.

## **SECTION B – ANSWER ALL– [60]**

### **Question 1**

- a) In the past, most College/ University learners were limited in their options regarding how they obtain their education. However, nowadays students have various options. Students are able to choose whether they want to complete their education through online learning, rather than in a traditional classroom. Differentiate Online Learning and other forms of learning including traditional classroom learning giving examples where necessary [12]
- b) Describe in detail any eight important characteristics of an Online Learner. [8]

### **Question 2**

With reference to a Nursing Education core course of your choice, explain in detail the main features found in a learning management system and how they can be implemented effectively teaching that course. [20]

### **Question 3**

Discuss the challenges and affordances that exist in assessing student learning in online environments. In your answer, explain the types of assessment methods being used in online courses and the ways in which the online environment facilitates or constrains particular methods. [20]

**\*\*\*\* END OF PAPER\*\*\*\***

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FACULTY OF SCIENCE AND ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE  
BSc HONS DEGREE IN INFORMATION TECHNOLOGY  
IT214: NETWORK AND SERVER ADMINISTRATION

DURATION: 2 HOURS 30 MINUTES

TOTAL MARKS: 100

INSTRUCTION TO CANDIDATES

The paper consists of five (5) questions, candidates are expected to answer all questions.

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Question 1

- a. Explain the use of any three administrative commands along with their syntax. [12 Marks]
- b. Describe Proxy server and its configuration. [8 Marks]

Question 2

- a. You have a server named Admin1 that runs Windows Server 2012. Admin1 has the File Server Resource Manager role service installed. Admin1 has a folder named Folder1 that is used by the human resources department. You need to ensure that an email notification is sent immediately to the human resources manager when a user copies an audio file or a video file to Folder1. Explain what you should configure on Admin1. [10 Marks]
- b. Give the four advantages and four disadvantages of running a process in the background. [8 Marks]
- c. Having a running process in the background, if you log out what would happen to the process? [2 Marks]

### Question 3

- a. Distinguish between Linux and Windows server operating systems in terms of file system, processes and system performance. [12 Marks]
- b. Explain how Linux and Windows traceroute command differ. [8 Marks]

### Question 4

- a. The simple network management protocol (SNMP) is a framework for managing devices in internet using the TCP/IP protocol suite or provide a set of fundamental operations for monitoring and maintaining an internet. Justify the statement 'SNMP work as a watchdog'. [6 Marks]
- b. In desktop virtual infrastructure differentiate between thin client and zero client. [8 Marks]
- c. Describe the setting required for a printer to be published automatically after adding and sharing the printer on print server running any Windows Server. [6 Marks]

### Question 5

- a. Describe how you can achieve automated host configuration on a network server. [10 Marks]
- b. Discuss server disaster recovery plan and its types. [10 Marks]

**\*\*\*\* END OF PAPER\*\*\*\***