AUGUST 2023 EBS 366 LABORATORY MANAGEMENT AND SAFETY 2 HOURS

Candidate's	s Index Number
Signature:	

UNIVERSITY OF CAPE COAST COLLEGE OF EDUCATION STUDIES SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION FOUR-YEAR BACHELOR OF EDUCATION (B.ED) THIRD YEAR, END-OF-FIRST SEMESTER EXAMINATION, AUGUST 2023

14TH AUGUST 2023 LABORATORY MANAGEMENT AND SAFETY 2:00 PM - 2:30 PM

This paper consists of two sections, A and B. Answer ALL the questions in Section A and TWO questions from Section B. Section A will be collected after the <u>first 30 minutes.</u>

SECTION A (20 MARKS)

Answer ALL questions in this Section.

Items 1 to 20 are stems followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

					3 .						
1.	The man	organization agement as	and	collection activity.	of	diverse	individuals	with	different	needs	identifies
		business		·							
	В.	cooperation									
	C.	group					•				
	D.	individual									
2.	Man	agement is a		function	n and	d has to a	dapt itself to	the ch	anging en	vironme	ent
	Α.	continuous					•			011111	JIIC.
	В.	demanding									

- 3. A computer laboratory is important in every private and government school to
 - A. enhance the scientific and technological research and invention capacity of students.
 - B. help structured learning environments where students/workers can prepare for a tech-heavy future.
 - C. provide time and space to develop skills not directly related to classroom curriculum.
 - D. to promote completion among students or workers.

C. dynamic D. static

4.	 Which of the following is not a constituent of a Computer Laboratory? A. A printer B. Fire Extinguisher C. Palmtop D. Projector
5.	 Which of the following is not an objective of management. A. Improving performance. B. Mobilizing best talent. C. Planning for future. D. Produce raw materials.
6.	Management is a continuous process. Choose the odd one! A. Directing B. Organizing C. Planning D. Transforming
7.	 The following make Computer Laboratories still relevant or beneficial except A. does not offer learning advantages regarding mobility. B. modern computer labs promote collaboration. C. school computer labs ensure equitable access. D. school computer labs supplement classroom learning great computing power.
8.	Computer Laboratory Development is divided into number of stages. A. 3 B. 4 C. 5 D. 6
9.	Which of these is not among the stages of Computer Laboratory Development? stage A. Design B. Operation and Maintenance C. Processing D. Requirement
10.	 Which of the following is not part of the requirement analysis process? A. Cost estimate consideration. B. Define the requirements and prototypes for the lab. C. Evaluate the alternatives and prioritize the requirements. D. Gather, analyse and validate the information.
11.	The most important aspect that will run throughout all the stages of Computer Laboratory Development is termed
12.	 Lab management supports the development and implementation of A. extortion. B. regulation. C. theft. D. vandalism.

13.	This is the stage for the purchase of the various items identified, setting them up and testing them to ensure that they are functional and fit for purposes for which the lab is being established. Which of these is the statement referring to stage. A. design B. implementation C. operation and maintenance D. requirement analysis
14.	The application of management principles in the day to day running of ICT tools and equipment is designated as a computer laboratory. Computer Laboratory
15.	 The following are Tactical and Operational Roles of a Lab Manager except
16.	 The purpose of decision-making is to
17.	 According to Louis A. Allen, "Decision-making is the
18.	Which of the following is not part of the component of computer system? A. Firmware B. Hardware C. Middleware D. Software
19.	The physical part of the computer, like the system memory and disk drive is A. firmware. B. hardware. C. middleware. D. software.
20.	All these can cause hearing impairment except A. listening to a particular sound for a long period. B. overusing ear buds/earphones/headset. C. sitting too close to sound devices. D. using the phones over a long period.

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14TH AUGUST 2023

1.

LABORATORY MANAGEMENT AND SAFETY

2:30 PM - 4:00 PM

SECTION B [40 MARKS]

Answer any TWO questions from this Section.

	a.	What is ergonomics?	[2 marks]
	b.	Outline three benefits of ergonomics.	[3 marks]
	c.	Mention any four purposes of computer laboratory in schools.	[2 marks]
	d.	Identify five useful things that a learner can do at the computer laboratory.	[5 marks]
	e.	 Explain The following ergonomics domains of specialization. i. Physical Ergonomic ii. Cognitive Ergonomics iii. Organizational Ergonomics 	[3 marks]
2.			
	a.	Explain Computer laboratory	[2 marks]
	b.	Briefly explain any three relevance of computer laboratory	[3 marks]
	c.	Mention any four purposes of computer laboratory_in schools	[4 marks]
	đ.	List six constituent of a computer laboratory	[6 marks]
	e.	Describe four functions of a laboratory manager.	[4 marks]
	f.	Mention any three things that must be considered in laboratory policy	[1 mark]

What is computer Security?	[2 marks]
Explain the following computer security terms i. Confidentiality ii. Integrity iii. Availability	[3 marks
What are computer security threats?	[3 marks]
Mention any four importance of computer security	[4 marks]
 Explain the following computer Security types. i. Information security ii. Cybersecurity iii. Application security iv. Network security 	[8 marks]
	Explain the following computer security terms i. Confidentiality ii. Integrity iii. Availability What are computer security threats? Mention any four importance of computer security Explain the following computer Security types. i. Information security ii. Cybersecurity