1. BMET's do not have a physically demanding job. Physical stamina, standing, crouching, and bending in awkward positions are not common when making repairs to equipment.		
Question options:		
C True		
C False		
2. Medical equipment repairers work primarily with machines and have little contact with people. As a result, effective communication of technical information by telephone, in writing, and in person is not essential to the job.		
Question options:		
© True		
C False		
3. Many tasks, such as connecting or attaching parts and using hand tools require a steady hand and good hand—eye coordination. Question options:		
O True		
C False		
4. Pretend you are an employer looking to hire a Biomedical Equipment Technician. Write down the type of industry your company is in, the qualifications a BMET must have, and the typical industry pay of BMETs in the U.S. at this current time.		
5. Match the correct ICC certification to the relevant position title.		
CRES (Radiology Equipment Specialist)		
CBET (Biomedical Equipment Technician)		
CLES (Laboratory Equipment Specialists)		
6. Hospital-employed BMETs generally have the following responsibilities: Question options:		
Fixing equipment that is not functioning as expected.		
☐ Evaluating device performance.		

Providing both formal and informal equipment instruction to users of equipment and other BMETs
☐ Designing new equipment for institutional use.
☐ Evaluating issues surrounding device malfunctions.
7. What are the five sections of the CBET exam?
8. BMETs work at their own pace. BMETs are repairing vital medical equipment that is not needed immediately, so it is good practice to take one's time to complete the repair.
Question options:
O True
C False
9. At the present time, national standards require one to complete 4 years of college in order to become a licensed BMET?
Question options:
True
C False
10. BMET's rarely have to take the initiative to find and solve problems that are not immediately apparent.
Question options:
• True

O	False
equi	Technicians use sophisticated diagnostic tools when working on complex medical ipment. They must be familiar with both the equipments' internal parts and the appropriate s needed to fix them.
Que	estion options:
0	True
0	False
and on the by a be of	Vladimir works at NOW manufacturing company, where they specialize in the production distribution of heart pumps. On yesterday afternoon Vladimir saw one of his co-workers he floor. According to Vladimir's witness statement, his co-worker had been electrocuted a machines faulty wiring. Vladimir also stated that he noticed that his co-worker seemed to out of breath for some reason. Based on the physiological effects of Vladimir's co-worker, could conclude that Vladimir's co-worker was exposed to:
Que	estion options:
0	Defibrillation Current
\circ	Let Go Current
0	Paralysis Current
0	Threshold Current
0	Fibrillation Current
13.	What is a macroshock?
Que	estion options:
0	A shock from medical devices that are implanted inside the patient
0	A shock from medical devices that are use a wireless connection
0	A shock from medical devices that contact the exterior of the patient
0	A shock from medical devices that are not in contact with the patient

14. Lisa is a world champion triathlete and is in stellar health. Tuesday morning, Lisa went to visit her mom at Crazy-horse Medical Center. Lisa's mother was in a session with her physical therapist in a whirlpool tub. While waiting in her mother's room, Lisa remembered she had to take a test on patient safety for Mrs. Taylor's online class, so she plugged in her laptop. Lisa received an electric shock so massive it knocked her unconscious. According to hospital employee, Lisa had a heart rate of 125 when they checked her immediately following the ordeal. If the normal heart rate of a human being is between 60 to 100, what would you conclude Lisa experienced Tuesday morning?

0	Defibrillation (1,00-10,000 mA)
0	Macroshock (9µA)
0	Fibrillation (25-75 mA)
0	Paralysis (<20 mA)
0	Fibrillation (80- 1,000 mA)
15.	What is a GFCI, and at what point does it activate
16 '	The form established of leake as aromant and
10.	The four categories of leakage current are:
Que	estion options:
0	Let Go, Paralysis, Earth, Defibrillation
0	Threshold, Macroshock, Microshock, Pain
0	Pain, Let Go, Fibrillation, Defibrillation
0	Earth, Enclosure, Patient, Patient Auxiliary
0	None of the above

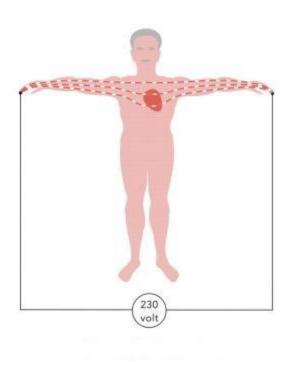
Question options:

17. As a Human Resource Manager, I am responsible for everything. Today, I am reviewing accident reports. I have run across a report from Donatello S. Under the section that asks the employee to describe what happened to them, Donatello reported that while working on the circuit board for an Automated External Defibrillator, he was injured. According to the

accident report, Donatello described a feeling of being bit by the machine. Which level of current would you say Donatello experienced?

Question options:

- C Let Go
- Pain
- Paralysis
- Fibrillation
- Too Much



18. Based on the textbook definitions of electrical shock; what does this picture represent?

Question options:

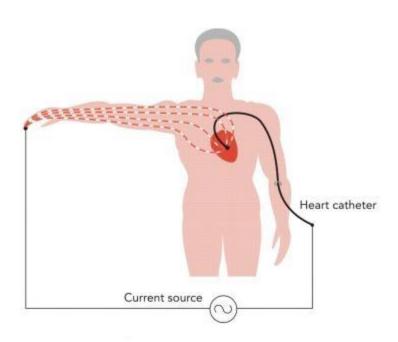
- Macro-shock
- Both Macro-shock and Micro-shock
- Pain current
- None of the above

wen feel	Sally works as an equipment technician at a hospital in Florida. Thursday afternoon, Sally at to plug in a patient monitor. While plugging in the monitor Sally sensed a tingling ing pulsating through her hand. This type of sensation can happen at which level of tent?
Que	estion options:
0	Paralysis
\circ	Fibrillation
0	Let Go
0	Pain
0	Threshold
20.	What does LIM stand for? What does it do?
Que	estion options:
	Lower Intake Manifold
	Linear Induction Motor
	Line Isolation Monitor
	Continually checks the impedance from each line of an isolated circuit to ground.
	In this system there are 2 intake tracts, one short and one long operated by a vacuum modulator that may or may not be interfaced by an electric solenoid operated by the enginemanagement computer
21.	Under what conditions might a GFCI trip?
Que	estion options:
0	Very dry conditions
\circ	Very stormy conditions
0	Very dark conditions
0	Very wet conditions
22.	The current that flows when the device is broken is?
	Not all devices have leakage current in them?
Oue	estion options:

400	-
() ·	True
Page 1	HILL

False

24. In 1984, the United States saw the need to minimize the hazards of fire, explosions and electricity in health care facilities that provide services to humans. What is the name of the organization responsible for establishing Code 99? _____



25. Based on the textbook definitions of electrical shock; what does this picture represent?

Question options:

- Electro-magnetic shock
- Pain Current
- Macro-shock
- Micro-shock
- None of the above

Question options:	
27. What is a Safety Analyzer?	
Question options:	
• A device that fixes troubled machines	
A device that will automatically check and then measure variables such as the polarity of an outlet or whether there is chassis leakage and ground resistance.	
A device that checks the polarity of the device.	
• A person that goes around hospitals and business, reviewing safety plans and fire hazards	
A person that reviews the quality of workplace safety	
28. There are no specific codes of ethics for BMETs however, according to the Biomedical Engineering Society; biomedical engineers in the fulfilment of their professional duties are required to do what?	
Question options:	
☐ Love all patients.	
Protect patient information.	
Promote health and welfare for the public.	
☐ Ensure patient safety.	
☐ Leave the most important work to the doctors	
29. ACCE stands for what?	

26. Describe the way HIPPA impacts what BMETs do.

30. Eric Von Erick was admitted to the hospital for surgery on his brain tumor. Unfortunately Eric did not survive the ordeal. Eric's family is big on "helping" others so when the hospital asked for his body parts for research, the family agreed. The medical examiner wanted to do research on Eric's brain tissue; so she did a stereotactic biopsy to scan for the tumor in Eric's

brain. The machine was giving the doctor problems so you were called in. Since Eric is deceased what precautionary standards would you use for his situation?	
Question options:	
☐ Assist the doctor with Eric's diagnosis	
□ Now that Eric is deceased, the precautions have changed and is no longer necessary.	
The patient is not the problem of the BMET, they are strictly the problem of the doctors and nurses.	
☐ Treat the living and the dead with the same precaution- universal precaution.	
A deceased person no longer, have active antibodies, and pathogen's living within them. The precautions are not the same as the living.	
31. According to the textbook all fluids with visible blood contamination, and all fluids with or without visible blood contamination should be treated with precaution; what is the one liquid that was left off the list of bodily fluids?	
32. List the textbooks five examples of a PPE.	
33. Based on the information in your textbook, the Biomedical Equipment manufacturing world is continuing to develop. Name some of the manufacturers discussed in your weekly reading that produce equipment used to test medical devices.	
34. The Health Insurance Portability and Accountability Act of 1996 obliges BMETS to	
Question options:	

0	Do unto others as you would have them do unto you.
0	Ensure Patient Privacy.
0	Seek the best healthcare option possible for every patient.
0	Understand life and death situations, regarding patients.
0	Right to Life.
35. V	What does a PPE do?
Que	stion options:
	It stands for; 'Programmable Priority Encoder'
	It stands for; 'Personal Protective Equipment'
	It is used to calibrate the safety analyzing machine
	It stands for; 'Protective Posture Equipment'
	It provides a barrier between moist body substances
toda	You arrived at work at 9 am today. Usually you get at least ten service calls a day, but y you haven't gotten any calls for service. Which plan of action helps you positively act your work environment?
Que	stion options:
0	You sit in your work area quietly and pray no one calls you.
\circ	You initiate ongoing communication by visiting units, and building rapport.
0	You sit and chat with the other BMETs.
0	Both A and C
0	Both B and C
equi	What basic health/safety consideration should you assume when dealing with patients and pment?
	•
0	Every good boy does fine
0	Every good boy does fine.
100	Every patient is a human being

Everyone is the same inside and out

38) What is the correct name for the picture above?

When taking the question, it would appear as:



38. What is the correct name for the picture above?

Question options:

- Patient Monitor
- Nurses Workspace
- Doctor's Workstation
- Crash Cart
- All of the above

39. Mary is a nurse practitioner at Cedars Medical Center. She pages you due to an issue with a CT scanner. Nurse Mary tells you that every time she pushes a button to rotate the camera lens on the scanner, she hears the Jon Bon Jovi song... 'Dyin' ain't much of a livin'. You know that there is no way possible this could ever take place. Which plan of action helps you positively impact your work environment?

Question options:

0	Tell Nurse Mary, "I will look at the machine, but afterwards, you need to check your own brain for problems".
\circ	Listen to Nurse Mary, and simply check the equipment to see what's going on.
0	Tell Nurse Mary, "It is highly unlikely, but please call you if you hear the music again".
0	Get back to Nurse Mary later, because you have more pressing projects to handle.
saln	After the July 4th barbecue cook off Michael was diagnosed with a mild case of nonella. Take a moment to google salmonella and determine which transmission-based caution should you follow?
Que	estion options:
0	Lockdown
0	Droplet
0	Contact isolation
О	Airborne
	What are the two basic classes of standards that have been identified by the CDC? estion options:
	Transmission-based Precautions
	History Precautions
	Standard Precautions
	Equipment Precautions
	Noticeable Precautions
42. ther	Your textbook describes some bodily fluids that can be found on the precautions list; name n:

	While swimming in the pool David contracted meningitis. Which transmission-based caution should you follow?
Que	estion options:
0	Biopic
0	Droplet
0	Contact isolation
0	Airborne
0	All of the above
0	None of the above
	Jean has the chicken pox. Which transmission-based precaution should you follow? estion options:
0	Quarantine
0	Droplet
0	Contact isolation
0	Airborne
0	None of the above

45. It is pouring down rain outside. You hate eating food from the hospital cafeteria, and you forgot to pack a lunch. You need to run to Café Griot to pick up the lunch you ordered an hour ago, but you had several heart monitor's go out today and are back logged. You are in the process of troubleshooting a heart monitor, and for some odd reason your Fluke Biomedical testing machine isn't calibrated correctly, so you stop to fix it. The phone has not stopped ringing off the hook with hospital staff looking for help. Your co-worker is scheduled to come to work in ten minutes to assist you. Which plan of action helps you positively impact your work environment?

Question options:

- Answer the calls when they come in, write down the issues and inform the caller that you will get back to them at a later time that day.
- Let the phone ring until you are finished fixing the problem in front of you.
- Answer the phone and tell the caller's that "you are actually supposed to be at lunch, call back in ten minutes when you have more workers around".
- Handle what's in front of you. Go to lunch and let your co-worker check the voice messages when he/she gets in to work.
- Handle what's in front of you. Go to lunch and let your co-worker check the voice messages when he/she gets in to work.

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