Laboratory Safety Test
Faculty of Pharmacy

This test is compulsory for all laboratory users in the Faculty of Pharmacy UM before permission to enter the laboratory is given. The passing mark is 80%.

Choose true (T) or false (F):

1. (T / F) Permission is required before using any equipment / laboratory / facility.
2. (T / F) Discussion with laboratory manager / staff is necessary to ease the whole workflow.
3. (T / F) Attending laboratory safety training or briefing is only optional for laboratory users.
4. (T / F) Laboratory housekeeping is the responsibility of the staff only.
5. (T / F) Good communication skills & proper planning skills have nothing to do with laboratory work.
6. (T / F) Personal Protective Equipment (PPE) must be worn inside & outside the laboratory.
7. (T / F) Safety glasses provide a similar level of protection with the safety goggles.
8. (T / F) Irritants are physical hazards.
9. (T / F) Working alone is a safety hazard.
10. (T / F) Hazardous materials can be categorized into 12 major classes.
11. (T / F) Laboratory users are required to provide Safety Data Sheet (SDS) to laboratory staff for all their chemicals.
12. (T / F) Laboratory users are required to fill out a chemical list form and display it on each refrigerator / freezer / chemical cabinet.
13. (T / F) All chemicals can be stored together in the chemical cabinet without segregation.
14. (T / F) All chemical waste can be mix together in one bottle for disposal.
15. (T / F) All laboratory-related accidents must be reported to laboratory staff ASAP.
16. (T / F) More than 1 litre chemical spillage is considered a major spillage.

17. Choose legislation(s) with the correct purpose

	Legislation	**Purpose**
A	OSHA 1994	To ensure safety, health and welfare of all persons at all places of work.
B	USECHH Regulation 2000	To provide a legal framework for the employer to control chemicals hazardous to health.
C	CLASS Regulation 2013	To ensure suppliers of hazardous chemicals provide sufficient information on hazards of chemicals that they supply.
D	FMA 1967	To provide the regulations for the control of machineries matters relating to the safety, health and welfare of persons, and the registration and inspection of machinery.
E	SWR 2005	To provides the basis for classification of scheduled wastes as in the First Schedule.
F	Biosafety Act 2007	To protect human, plant and animal health, the environment and biological diversity, by regulating the release, importation, exportation and contained use of living modified organisms (LMOs)
G	The Prevention and Control of Infectious Diseases Act 1988	To control or prevent the spread of any infectious disease within or from an infected local area.
H	All are false	
I	All are correct	

18. Below are responsibilities of laboratory user except:
    a) Read and comply to the UM safety procedure.
    b) Use the PPE and safety equipment properly.
    c) Prepare and submit safety and health reports.
    d) Report hazards, incidents and accidents to Officers- in-charge.

19. How frequent should you fill in the equipment user logbook?
    a) Once a month
    b) Once a week
    c) Daily
    d) Each time using the equipment

20. What would you do if you were uncertain about anything related to laboratory?
    a) Nothing
    b) Make assumption and proceed my work
    c) Ask help from laboratory staff
    d) Make a Helpdesk report.

21. I must handle all chemicals:
    a) on a workbench
    b) inside a laminar flow
    c) inside a fumehood
    d) inside a biological safety cabinet

22. All chemicals below are compatible for storage except:
    a) Acetonitrile, Methanol, Isopropanol
    b) Methanol, Isopropanol, Hydrochloric acid
    c) Nitric acid, Hypochlorite, Chromic acid
    d) Hydrochloric acid, Formic acid, Acetic Acid

23. Choose the correct flow for disposing infectious clinical waste
    a) Segregate waste into specific bottle → autoclave → label → transfer to waste storage area
    b) Segregate waste into specific bottle → autoclave → label → secure the bag tightly → transfer to waste storage area
    c) Put waste in blue autoclavable bag → autoclave → label → secure the bag tightly → transfer to waste storage area
    d) Put waste in blue autoclavable bag → autoclave → put in yellow bag → label & secure the bag tightly → transfer to waste storage area

24. These are good practices in disposing laboratory waste except:
    a) Use a double or triple bag when necessary to prevent leakage.
    b) Do not throw any sharp object that can puncture the bag and cause leakage.
    c) Prioritize one's own safety over others.
    d) Secure the bag tightly & label properly.

25. What should you do when chemicals splashed into your eyes?
    a) Immediately get help to rinse the eye with water for at least 15 minutes.
    b) Inform laboratory staff.
    c) Seek medical attention.
    d) All of the above.

26. Name the safety pictograms & safety hazard symbol:

_____

_____

_____

_____

_____

_____

_____

27. What are the 4 steps to use a fire extinguisher?

1) _____
2) _____
3) _____
4) _____

28. List 4 important information you can get from chemical Safety Data Sheet (SDS)

1) _____
2) _____
3) _____
4) _____

29. Secondary chemical containers (bottle, beaker and flask) should be labelled using faculty's chemical label sticker. What are the 5 information you need to provide on the label sticker?

1) _____
2) _____
3) _____
4) _____
5) _____

30. Give description for the following Schedule Waste code:

1) SW 322 _____

2) SW 323 _____

3) SW 404 _____

4) SW 409 _____

5) SW 430 _____

Test score (For office use only):

Score : _____ / 50

Percentage : _____ %

Status : ☐ Pass ☐ Fail (Please retake test & submit)

Checked by : _____

Date : _____