CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examination

PLUMBING MAINTENANCE 1
5465

JUNE XXXX **INTERMEDIATE LEVEL**

Centre No. & Name	
Candidate No.	
Candidate Name	

Mobile phones are **NOT** allowed in the examination room.

5465 Plumbing maintenance 1: MULTIPLE CHOICE QUESTION PAPER

1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Before the examination begins:

3. Check that this question booklet is headed "Intermediate Level – 5465 Plumbing maintenance 1.

4. Insert the information required in the spaces above.

5. Insert the information required in the spaces provided on the answer sheet using your HB pencil:

   Candidate Name, Exam Session, Subject Code, Centre Number and Candidate Number.

   Take care that you do not erase or fold the answer sheet or make any marks on it other than those asked for in these instructions.

How to answer the questions in this examination:

6. Answer **ALL** the **50** questions in this Examination. All questions carry equal marks.

7. Each question has FOUR suggested answers: **A, B, C** and **D**. Decide which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.

   For example, if **C** is your correct answer, mark **C** as shown below:

   [A] [B] [~~C~~] [D]

8. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.

9. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.

10. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.

11. **You must not take this booklet and the answer sheet out of the examination room. All question booklets and answer sheets will be collected at the end of the examination.**

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1. Preventive maintenance involves :

A	Prevent equipment before they became faulty
B	Regular diagnose of the equipment
C	Extension life of the equipment and installations
D	All the above

2. Curative maintenance involves :

A	Repairing of broken down
B	Prevent equipment to fall down
C	Call the maintenance staff
D	Diagnostic the faulty by trouble shooting

3. Diagnostic :

A	Fault finding of trouble shooting
B	Repairing of faulty equipment
C	Consult the maintenance department/staff
D	Establish a default of procedures

4. Name the most appropriate safety sign to be

A	Speed limit sign post
B	PPE are obligatory to be wore
C	Prohibition of unauthorized persons
D	Men worked ahead

5. PPE are

A	Personal protective equipment to be wore by operator
B	Safety sign board to be put at the work place
C	Safety rules to be observed as such
D	Official who are supposed observe safety condition on the site

6. Hide out the means use in transporting loads in the horizontal position

A	Successive shifting
B	Pulley
C	Trolley
D	Tower

7. To transport loads in the building project, the most appropriate lifting method is :

A	Pulley
B	Tower crane
C	Elevator
D	Hoist

8. When lifting load from the ground, the load should be :

A	Bend over
B	The knees bent / and the load push forward
C	The legs spread out and the head over the load
D	Push forward

9. Using rollers under the load to be transported

A	Transport the load in the vertical direction
B	Transport the load on the horizontal direction
C	Transport the load on an inclined plane
D	Transport a load using a pulley

10. Which order will you give to the crane operator if the trolley is loaded on the ground?

A	Lower the load
B	Rise the load
C	Turn the load to the right
D	Turn the load to the left

11. Extensible ladders are :

A	Ladder that standard length are extended to the require length
B	Ladder use for placing pipes clips
C	Ladder whose ring are spaced at 50 cm apart
D	Ladder that are made of wood

12. The foot of ladders should be provided with

A	Out issue for stability
B	Anti-ship device
C	Ballast
D	Rope tie to the ladder to a stole

13. We climb and descend the ladder

A	Facing it
B	Backing it
C	Running on it
D	Skipping some of the rings

14. Ladders should always be erected with the tie-wires:

A	Removed
B	Underneath the rungs
C	Above the rungs
D	loose

15. Never overload a scaffold or working with tools or materials or it will :

A	Become unstable and dangerous
B	Cut off access to the work
C	Need a hoist or lift to fixing to it
D	Require inspecting by the site manager

16. In dependant scaffold the stability is gotten by:

A	Securing the stand deep into the ground
B	Placing the stand on the sole plate
C	Attaching the scaffold to the wall
D	Built St Andrew cross between the stand

17. During excavation, you discover a blue signalisation. Name the buried network

A	Internet / telecommunication
B	Potable water
C	Gas
D	Electricity

18. Signalisation grid are used to :

A	Announce the presence of buried networks
B	Protect buried networks against damage
C	Prevent accident
D	All the above

19. The standard colour for gas is:

A	Blue
B	Yellow
C	Green
D	Red

20. Cam water maintenance team was to repair a leakage in a public main on a ring road. The foreman must :

A	Put on a barricade to cut out the work zone
B	Put on safety cone when working ahead
C	Enclose the area with safety tape
D	All of the precautions

21. The sand layer on the buried network is:

A	Protect the network
B	Signalize the presence of buried network
C	Permit the operation of earth movement without damage the network
D	Prevent the pushing of the network

22. Leakages in water distribution are caused by :

A	Poor effective tighten of the nuts / screws
B	Age of installation
C	Rust / corrosion
D	All the above

23. The instability of WC is observed, it shakes when used. Causes can be :

A	Hold down bolt defective or worn out
B	Old age of the WC
C	Over weight of the user
D	Poor fixation on the floor

24. Water is continually flowing in a WC pan. Causes can be :

A	Faulty Water tank
B	Wrong adjustment of the ball valve lever
C	Faulty tank valve
D	All the above

25. A lavatory hanged on the wall by brackets seems to fails when you press on it side. To repair it, you should :

A	Apply silicon mastic between the lavatory and the tile wall
B	Reset the pegs in the wall
C	Tie the screws
D	Arrange the stand

26. Water is infiltrating between the wall and the kitchen sink. To stop it, you should :

A	Broke the concreted slab and do it back
B	Apply cement
C	Apply silicon mastic
D	All the above

27. Water is not entering the water heater. Causes can be:

A	Not water in the network
B	Cold water supply valve closed
C	Faulty supply valve
D	All the above

28. Electric water heater don't produce hot water. The causes can be :

A	Current failure
B	Faulty thermostat
C	Circuit breaker off
D	All the above

29. After bath, water is partially stagnating in a bath-tub. The cause is:

A	blockage
B	Lack of slope in the bath-tub
C	Poor supply
D	Poor drainage

30. Oxy-acetylene welding is done with :

A	Carbon dioxide oxygen
B	Carbon monoxide + hydrogen
C	Acetylene + monoxide
D	Oxygen + Acetylene

31. In oxygen welding post the colour of acetylene cylinder is :

A	Green
B	Red
C	Maroon
D	Blue

32. Colour code for oxygen cylinder is :

A	Red

B	Blue
C	Black
D	White

33. Acetylene pipe should not be made with copper. It may :

A	be
B	Break easily
C	Cause an explosive called acetylene
D	Rust

34. Back fire in blow-pipes can be caused by :

A	Low pressure
B	Dirty in the noose
C	Blockage
D	All the above

35. Entering a workshop, you smell an odor of gas on your OA welding post : select the appropriate method of gas detection on blow pipes

A	Apply soapy water
B	Light fire
C	Inspect all the section of blow-pipes
D	Close the cylinders

36. You have a backfire caused by nozzle blockage on your OA post. To clean the nozzle, you use :

A	Binding wire
B	Broom stick
C	Reamer
D	An electrode

37. During a welding process, you notice a backfire in your hoses. The first action to take is :

A	Close the blowpipe valves
B	Close the acetylene cylinder
C	Close the oxygen cylinder
D	Disconnect the hose pipes

38. You just bought a new blowpipe. During the welding operation, the gas is not flowing. This fault can be caused by :

A	Blocked nozzle
B	Blocked blowpipe
C	Faulty Oxygen blowpipe valve
D	Faulty acetylene blowpipe valve

39. During an arc welding operation, your colleague is shocked by a cable. Choose a prevention rule to avoid such a situation in the future :

A	Connect the electrical circuit to the earth
B	Avoid naked cables
C	Install circuit breaker
D	Use isolated cables

40. You are living in a house and at a certain moment, odours invade the hole house. The main cause of odour in the house is :

A	Aspiration of the water seal
B	Lack of ventilation system
C	Blockage of the drainage pipe
D	Breakage of the drainage pipe

41. You are called for a repairs on a regular blockage drainage line with many bends. Among the following propositions, choose the remedy to it :

A	Connect the pipe to the gutter
B	Provide a Y with a rodding-eye
C	Cut off the bends
D	Construct inspection chambers at every change of direction

42. For a block drainage stack, the remedy is :

A	Cut off the stack
B	Disconnect all the appliances connected to the stack
C	Install a Y + rodding eye
D	Install a ventilation pipe

43. During a flushing operation, the seal trap is absorbed by the drainage network. We can reconstitute the trap seal by :

A	Return the trap seal
B	Fill the toilet tank
C	Install a secondary vent pipe
D	Cover the toilet pan

44. Called for the repair of a tap leaking by its head, choose the right solution :

A	Remove the tape and weld
B	Apply watertight geba-joint
C	Apply aim and tighten the back nut
D	Replaced the tap

45. Called for a blockage on a drainage line, choose the right repair method :

A	Cut the pipe and clear the blockage
B	Pour water in appliances
C	Pour chemical in the network
D	Open the chamber and clear the blockage

46. The quantity of water from the tank is not sufficient to flush. To solve the situation, we should :

A	Adjust the floating valve
B	Change the tank
C	Adjust the flushing hanging
D	Change the valve at inlet of the tank

47. Called for a repair of a tap leaking at its nozzle, the repairs solution is to:

A	Change the back nut
B	Lock the tap firmly
C	Change the washer
D	Tie the tap with robber

48. The lavatory trap leaks. The remedy is to :

A	Check the rubber and tighten the nut
B	Change the trap
C	Apply gum on the trap
D	Unscrew the trap and pour water inside

49. For a noisily water supply pipe, the repair solution is to :

A	Flush the tap
B	Install a non-return valve
C	Install an air relief valve at the highest point of the line
D	Remove all the bends on the line

50. You are visiting a drainage network that regular has blockage problem. Select an installation advise you will give to avoid such a problem :

A	Use Y bends and 45° fittings
B	Use reducers fittings
C	Use 90° fittings
D	Use straight tee

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