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BUGESERA DISTRICT

**TSS 2nd TERM DISTRICT COMPREHENSIVE ASSESSMENT
SCHOOL YEAR: 2024-2025**

...../100 MARKS

SECTOR: CONSTRUCTION AND BUILDING SERVICES

TRADE: BUILDING CONSTRUCTION

RQF LEVEL: 3

MODULE CODE AND TITLE: BDCBP301: DEMONSTRATE BASICS OF PLUMBING

DURATION: 3HOURS

DATE: / / 2025

INSTRUCTIONS TO CANDIDATE:

- ✓ **This exam has three sections.**
- ✓ **Maximum marks...../ 100Marks**
- ✓ **Attempt all Questions in A**
- ✓ **Choose only THREE questions in section B.**
- ✓ **Choose only one question in section C.**

SECTION A: Attempt all questions /55marks

1. Define the following materials used in plumbing works. /6marks

- a) plumbing
- b) pipe fitting
- c) Sanitary fitting

2. What do you understand by the term pipe threads? /3marks

3 Which of the following materials is commonly used for cold-water plumbing pipes? /2marks

- a) Copper
- b) PVC (Polyvinyl Chloride)
- c) Steel
- d) Cast Iron

4. Which of the following is the most important PPE for protecting your hands while working with plumbing tools and pipes? /2marks

- a) Safety glasses
- b) Work gloves
- c) Hard hat
- d) Steel-toed boots

5. Answer by TRUE if the statement is correct and FALSE if the statement is incorrect. /4marks

- a)** Bathtub is a sanitary fitting used for washing body by immersion.
- b)** Shower is also used for washing body in standing position
- c)** Bath tub are provided with only the supply of cold water
- d)** Drain pipe is used to evacuate waste water from bathtub

6. Outline any five (5) factors to consider when selecting the type of pipe for plumbing works. /5marks

7. While assembling galvanized steel pipe, it requires the application of Teflon tape/thread sealing tape, identify three reasons of it. /3marks

8. What are the role of plumber ? / 3marks

9. Which tool is commonly used to cut copper pipes during assembly? /2marks

- a) Pipe bender
- b) Pipe cutter
- c) Hacksaw
- d) Pipe wrench

10. Out line at least four 4 equipment used in plumbing works /4marks

11. Why is it important for plumbers to wear knee pads while performing certain tasks? /2marks

- a) To protect knees from cuts and bruises when kneeling
- b) To avoid overheating during work
- c) To maintain proper posture
- d) To prevent slipping on wet surfaces

12. Which tool is typically required when installing a showerhead? /2marks

- a) Wrench
- b) Pipe cutter
- c) Pipe bender
- d) Hammer

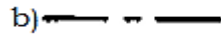
13. What is the purpose of a trap in plumbing installations for sanitary appliances? /2marks

- a) To prevent water from flowing backward
- b) To allow water to flow freely without obstruction
- c) To seal off the plumbing system from unpleasant odors and gases
- d) To prevent leaks in the pipes

14. Which of the following is the first step when installing a new toilet? /2marks

- a) Connect the water supply line
- b) Install the toilet flange
- c) Install the wax ring
- d) Secure the toilet to the floor

15. Name the following symbols as used in plumbing /4marks



16 Match the following tools (Column A) with their corresponding use (Column B)
/5marks

Column A	Column B
1. Die stock	A. Measuring the inner and outer diameter as well as depth measurement
2. Try square	b. For removing burrs formed when cutting the pipe
3. pipe reamer	C. Cutting the pipe to the required length
4. Vernier caliper	D. It is used to mark the Centre of circle or hole
5. pipe cutter	E. holding tool having two toothed jaws for holding pipe in position

17. give the function of the following PPE used in the plumbing works / 4marks

- a) Gloves
- b) Overall
- c) Safety shoes
- d) helmet

SECTION B: CHOOSE ONLY THREE QUESTIONS /30marks

18. Distinguish between threaded and soldered joints used to connect pipes.

19. Give all the steps to be followed when cutting the pipe by a pipe cutter

20. In five (5) factors, why plastic pipes are most popular used for domestic water supply

21. Outline any five (5) different factors and conditions which can affect any pipe work.

22. Fill the table below which shows the types of fire extinguishers and their uses.

CLASS	COLOUR CODE	CONTENT	USE
A		Water	
B		Foam	
C		Powder	
D		Carbon Dioxide	
E		Foam Or Powder	

SECTION C: CHOOSE ONLY ONE QUESTION /15marks

23. Give all the steps to be followed when cutting the pipe by using hack saw.

24. Enumerate ten (10) types of fittings used in plumbing works .

GOOD LUCK!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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