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**GASABO DISTRICT**

**DISTRICT COMPREHENSIVE ASSESSMENT, RTQF LEVEL 3 2022-2023**

**TRADE:NETWORKING AND INTERNET TECHNOLIGY**

**MODULE: SET UP VoIP SYSTEM**

**DATE OF EXAM: 20/03/2023 Duration: 3Hours**

**ACADEMIC YEAR: 2022-2023**

**Instructions:**

1. **Answer all questions in section A (55 Marks)**
2. **Answer three question in section B (30 Marks)**
3. **Answer one question in section c (15 Marks**)

**SECTION A: ATTEMPT ALL QUESTIONS /55MARKS**

**Q 1.** what is Voice Over Internet Protocol. **(3marks)**

**Q 2.** Outline six (6) Types and example of VoIP services **(6marks)**

**Q3.** out line 4 material used to deploy voip system . **(4marks)**

**Q 4.**How Does VoIP Work**:** **(3marks)**

**Q5.** out line 4 way of Application area/use of voip **(5marks)**

**Q 6.** What is a VoIP tool **(2marks)**

**Q 7.** Mention four (4)VoIP Advantages (Benefits)

**(4marks)**

**Q8.** The four most important VoIP components(VoIP elements) are:

**(4marks)**

**Q9.** how to install voip phone **(4marks)**

**Q10.** What are types site survey? **(4marks)**

**Q11.**What equipments are needed for VoIP to be established.

**(5marks )**

**Q12.** what is IP default gateway  **(3marks)**

**Q13.** list 4 VoIP system equipment.

**(3marks)**

**Q14.** what are the different method of data collection **(4marks)**

**Q15.**what are the description of voip call logs metrics. **(6marks)**

**SECTION B: ATTEMPT 3 QUESTIONS /30 MARKS**

**Q16**.explain briefly Estimation of VoIP system cost **(10marks)**

**Q 17.**explain the interactive voice response(IVR)/**10MARKS**

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**Q18.** expain the following types of call routing method**(10marks)**

1. Round robin
2. Regular
3. Uniform

**Q19.** drow your own voip diagram ? **(10marks)**

**SECTION C. ATTEMPT one QUESTIONS /15 MARKS**

**Q20.** explain the following command

1. Max-ephones
2. Max-dn
3. Auto assing
4. Ephone-dn
5. Telephone service

B) what is telephone extension? How is differ to local call

**Q21 .** configure this VOIP SYSTEM installation

Where we have the netwok ID : 192.168.1.0 mask: 255.255.255.0 default gateway 192.168.1.1

a) write down the code to configure interface

b) write down the code to configure DHCP SERVER