BAIT 1013 Introduction to Computer Networks

**Network Design Assessment - Part A: Assignment**

1. Choose **TWO** topics highlighted in Blue and **ONE** topic highlighted in Yellow (10 marks each).
2. Complete and submit the following PKA files (in softcopy) to Google classroom based on the submission date given.
3. Video MUST explain in details either with your explanation or with the “label”.
4. You are required to fill in and submit the form together with item 1 with the THREE topics you choose.
5. All the .pka files SHOULD HAVE the user profile, PRINT SCREEN the final score under (assessment item) and submit together with your files.

eg:

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| Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Tutorial group: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date (submit on):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Packet Tracer Activity** | **Marks** | **Submission Date** | **Mark scored** | **Comments** | | 1 | 4.2.4.4 Connecting a Wired and Wireless LAN.pka | 10m | W3 | * Creativity = 3m * Overall design=3m * Overall explanation = 4m |  | | 2 | 7.3.2.6 Pinging and Tracing to Test the Path | 10m | W12 |  | | 3 | 7.3.2.9 Troubleshooting IPv4 and IPv6 Addressing | 10m | W7 |  | | **TOTAL MARKS (30%)** | | | |  |  | |

**Assignment Part A (30 marks)**

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|  | **Packet Tracer Activity** | **Marks** | **Submission Date** | **Mark scored** | **Comments** |
| 1 | 4.2.4.4 Connecting a Wired and Wireless LAN.pka | 10m | W3 |  |  |
| 2 | 6.3.1.8 Exploring Internetworking Devices | 10m | W3 |  |  |
| 3 | 3.3.3.4 Using Wireshark to view network traffic | 10m | W3 |  |  |
| 4 | 5.3.1.3 Identify MAC and IP addresses | 10m | W4 |  |  |
| 5 | 5.3.2.8 Examine the ARP Table | 10m | W4 |  |  |
| 6 | 6.4.1.3 Configure Initial Router Settings | 10m | W4 |  |  |
| 7 | 6.4.3.5 Building a switch and router network | 10m | W10 |  |  |
| 8 | 6.4.3.3 Packet Tracer - Connect a Router to a LAN.pka | 10m | W11 |  |  |
| 9 | 10.2.1.7 Web and Email | 10m | W12 |  |  |
| 10 | 7.3.2.6 Pinging and Tracing to Test the Path | 10m | W12 |  |  |
| 11 | 7.3.2.5 Verify IPv4 and IPv6 Addressing | 10m | W6 |  |  |
| 12 | 8.1.4.7 Subnetting Scenario 1 | 10m | W6 |  |  |
| 13 | 7.3.2.9 Troubleshooting IPv4 and IPv6 Addressing | 10m | W7 |  |  |
| 14 | 8.2.1.4 Designing and Implementing a VLSM Addressing Scheme | 10m | W9 |  |  |
| **TOTAL MARKS (30%)** | | | |  |  |