## CTF TEST

ID:	BATCH:	SECTION:
<b>CLUE:</b> Once upon a late night in the PUC communicate from	C cyber-lab, an old terminal — a distance to recruit members	, ,
On its screen there appeared strange of truths, or broken co	questions, but not all of them v mmands planted by a mischie	
For each riddle, the terminal opens a box are impostors. If you can spot the lies, y every lie you expose, and fix earns you catch the	you must <b>repair</b> them with the	correct truth. Besides the truth, es may hide more than one truth
The first solver claims <b>+30 points</b> . Ever	y next solver earns 5 points les fades to <b>0.</b>	ss — 25, 20, 15 until the bonus
1. You receive the string: UHl0aG9uIQ==	what kind of hash ?? $10 + 10$ F	Points
☐ Base 64 ☐ Oracle ☐ SHA 12 ☐ M	1D5 □ bcrypt	
2. You want to fetch a small file from a machine client-side command. $10 + 10 = 20$ Points	-	on port 8000. Suggest a quick
3. During a web test, you find a field that r Example: typing <script>alert("hello")</s</td><td></td><td></td></tr><tr><td>What type of attack is possible?</td><td></td><td></td></tr><tr><td>☐ SQL-inverse Injection ☐ XSS (Cross-</td><td>Site Scripting) □ RFI □ CS</td><td>RF</td></tr><tr><td>4. A robots.txt file in a website is used for</td><td>: 10 Points</td><td></td></tr><tr><td>☐ Storing user passwords ☐ Hiding Add</td><td>min credentials 🛭 Detecting</td><td>g malware</td></tr><tr><td>☐ Giving instructions to search engine cr</td><td>rawlers   Preventing SQL in</td><td>jections   Encrypting data</td></tr><tr><td>5. Which of the following protocols can se</td><td>end data <b>unencrypted</b>? 30Poi</td><td>nts</td></tr><tr><td>□ HTTP □ HTTPS □ FTP □ SFTP</td><td>□ Telnet</td><td></td></tr><tr><td>6. Which tools could help you test for hid</td><td>den <b>directories</b> on a web serv</td><td>er? 40 Points</td></tr><tr><td>□ Gobuster □ Dirb □ Nikto □ Bo</td><td>urp Suite 🛭 Hydra 🗀 Wire</td><td>shark</td></tr><tr><td>7. Which of the following can lead to sens</td><td>sitive <b>data exposure</b> on a web</td><td>app? 40 + 10 Points</td></tr></tbody></table></script>		

	□ strings
	□ Elf-read
	□ Dumb-Obj
	□ hexdumb
9. \	Which of the following can be analyzed in digital forensics to find evidence? $4*10 = 40$ Points
	Log files $\ \square$ Memory dumps $\ \square$ Network packets $\ \square$ Encrypted passwords $\ \square$ Registry keys Random JPEG images
10.	Which of the following sources/tools can be used to gather open-source intelligence? 40 Points
	Google search □ Shodan □ Social media □ Metasploit □ WHOIS □ Wireshark
11.	Below are some GUI and CLI tools, describe them in one line: $10*6 + 20 = 80$ Points
a) l	lmap →
b) \	Vireshark →
c) E	Burp Suite →
d) l	Hydra →
e) ł	Hydrosploit →
f) N	likto →
	Why you wanted to do CTF not in the Competitive Programming Club?? Is there any future goal?? at is the relation between CTF and Cyber Security? $\boxed{10 + 10 + 20 = 40 \text{ Points}}$
	Suppose you just breached the wall of PUC (although we don't have one) and obtained some dentials, like a username <b>Kingshuk_Sir</b> and a password hash <b>\$2a\$05\$bvIG6Nmid</b> In which way

or shortest pat	h in CLI extra	20,  Total =80	) + 20 = 100		

**14**. An image **photo.png** is given. You're told "not all is seen". What quick commands would you try to find hidden data? For each try (yes, you read that right — for each try) you will get marks. For each line, you will get 10. Now it's up to you how much you can get -\_- Unlimited Points