Ethics and Digital Responsibility

Standard difficulty · 20 questions · 40 marks · Time: 36 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. The trail of information you leave online (posts, searches, comments) is your:
   (a) algorithm **(b)** pixel
   (c) password **(d)** digital footprint

2. A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. How many of these five rules does the made-up password TIGER97@WIN meet?
   (a) 1 **(b)** 2 **(c)** 0 **(d)** 4

3. A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. Which made-up password meets ALL five rules?
   (a) Mango48sil **(b)** CLOUDPLA **(c)** Rabbit47 **(d)** Rabbit72!

4. Which of these should you keep private online?
   (a) that you like cricket **(b)** the weather today
   (c) a photo of your house number **(d)** a drawing of a tree you made

5. Which of these is a safe and responsible thing to do online?
   (a) using your name as your password
   (b) giving credit for a picture you used in a project
   (c) copying a picture and saying you drew it
   (d) sharing a message without checking if it is true

6. If an AI tool gives you an answer for homework, you should:
   (a) log out of your account
   (b) use one free to use and give credit
   (c) check it and write the answer in your own words
   (d) do not click; show a trusted adult

7. A child shares a photo with 3 friends. Each of them shares it with 3 new people, and so on, for 2 rounds of sharing in all. How many people (not counting the child) have received the photo?
   (a) 12 **(b)** 6 **(c)** 13 **(d)** 9

8. A child uses a tablet for 50 minutes on each school day (Monday to Friday) and 60 minutes on each day of the weekend. How many minutes is that in a week?
   (a) 350 minutes **(b)** 370 minutes **(c)** 420 minutes **(d)** 110 minutes

Section B — Short answer — 8 × 2 = 16 marks

9. What is a digital footprint?

10. A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. How many of these five rules does the made-up password Mango meet?

11. A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. Which made-up password meets ALL five rules?

12. A child shares a photo with 4 friends. Each of them shares it with 4 new people, and so on, for 3 rounds of sharing in all. How many people (not counting the child) have received the photo?

13. Is each private or fine to share with people you do not know online? (a) your favourite colour (b) a photo of your house number

14. What is the responsible thing to do if: (a) you want to use a picture from the internet in a project (b) you read surprising news online

15. A child uses a tablet for 30 minutes on each school day (Monday to Friday) and 90 minutes on each day of the weekend. How many minutes is that in a week?

16. Write safe or unsafe for each: (a) posting your home address in a game chat (b) using a different password for each account

Section C — Word problems — 4 × 4 = 16 marks

17. Explain what a digital footprint is and give three ways to keep yours positive.

18. (a) A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. How many of these five rules does the made-up password MANGORIV meet?
(b) A child shares a photo with 5 friends. Each of them shares it with 5 new people, and so on, for 4 rounds of sharing in all. How many people (not counting the child) have received the photo?

19. (a) A child uses a tablet for 45 minutes on each school day (Monday to Friday) and 105 minutes on each day of the weekend. How many minutes is that in a week?
(b) A website asks for passwords with: at least 8 characters; a capital letter; a small letter; a digit; a symbol such as # or @. How many of these five rules does the made-up password ladder@ meet?

20. Match each with its responsible action: (a) a message says you won a free tablet and asks for details (b) you want to use a picture from the internet in a project (c) someone posts unkind comments about a classmate. Choose from: use one free to use and give credit; do not click; show a trusted adult; do not join in; tell a trusted adult.

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Answer key

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Q	Answer	Working
1	**(d) digital footprint**	—
2	**(d) 4**	length 11; has capital, no small letter, has digit, has symbol
3	**(d) Rabbit72!**	Rabbit72! has 9 characters, a capital, small letters, a digit and a symbol
4	**(c) a photo of your house number**	—
5	**(b) giving credit for a picture you used in a project**	—
6	**(c) check it and write the answer in your own words**	—
7	**(a) 12**	3 + 9: once shared, a post is hard to take back
8	**(b) 370 minutes**	5 × 50 + 2 × 60 = 370 minutes (6 h 10 min)
9	**The record of everything you do online, such as posts, comments, photos and searches, which can stay for a long time.**	—
10	**2**	length 5; has capital, has small letter, no digit, no symbol
11	**Rocket69#**	Rocket69# has 9 characters, a capital, small letters, a digit and a symbol
12	**84**	4 + 16 + 64: once shared, a post is hard to take back
13	**(a) fine to share (b) private**	—
14	**(a) use one free to use and give credit (b) check it on a trusted source before sharing**	—
15	**330 minutes**	5 × 30 + 2 × 90 = 330 minutes (5 h 30 min)
16	**(a) unsafe (b) safe**	—
17	**It is the lasting record of what we do online. Keep it positive by posting only kind, true things; not sharing private information; thinking before posting photos.**	—
18	**(a) 2; (b) 780**	(a) length 8; has capital, no small letter, no digit, no symbol; (b) 5 + 25 + 125 + 625: once shared, a post is hard to take back
19	**(a) 435 minutes; (b) 2**	(a) 5 × 45 + 2 × 105 = 435 minutes (7 h 15 min); (b) length 7; no capital, has small letter, no digit, has symbol
20	**(a) do not click; show a trusted adult (b) use one free to use and give credit (c) do not join in; tell a trusted adult**	—