- **Question 1**

  Convert decimal 42624 to hexadecimal

  Selected Answer: ✅

  A680

  Correct Answer: ✅

  A680

- **Question 2**

  Convert decimal 43176 to binary

  Selected Answer: ✅

  1010100010101000

  Correct Answer: ✅

  1010100010101000

- **Question 3**

  Convert binary 1000100010011101 to Hexadecimal

  Selected Answer: ✅

  889D

  Correct Answer: ✅

  889D

- **Question 4**

  In a multitasking Operating System on a single CPU computer, several processes can be ready for running at the same time but only one of these can actually be running. You can share the CPU workload by:

  Selected Answer: ✅

  Putting all ready processes in a queue and allowing them to share the processor and other resources in turn

  Correct Answer: ✅

  Putting all ready processes in a queue and allowing them to share the processor and other resources in turn

- **Question 5**

  Convert binary 1000111101010000 to decimal

  Selected Answer: ✅ 36688

  Correct Answer: ✅ 36,688

  Answer range +/- 0 (36688 - 36688)

- **Question 6**

  Convert Hexadecimal 2557 to binary

  Selected Answer: ✅
  0010010101010111

  Correct Answer: ✅
  0010010101010111

- **Question 7**

  What technique is used by search engines to collect data from the web?

  Selected Answer: ✅ C.
  Web Crawling

  Correct Answer: ✅ C.
  Web Crawling

- **Question 8**

  What logic operation (???) does the following table represent?

X	Y	???
0	0	0
0	1	1
1	0	1
1	1	0

  Selected Answer: ✅ B.
  (X OR Y) AND NOT (X AND Y)

  Correct Answer: ✅ B.
  (X OR Y) AND NOT (X AND Y)

- **Question 9**

  With regards to SMTP, what is the difference between a Mail Transfer Agent (MTA) and a Mail User Agent (MUA)?

  Selected Answer: ❌ B.
  A MTA is typically a mail server, while a MUA is typically a mail client

  Correct Answer: ✅ C.
  A MTA is typically a mail server and a mail client, while a MUA is typically a mail client

- **Question 10**

  Convert Hexadecimal A685 to Decimal

  Selected Answer: ✅ 42629

  Correct Answer: ✅ 42,629

  Answer range +/- 0 (42629 - 42629)