

### Part I: Matching

- |             |             |             |              |
|-------------|-------------|-------------|--------------|
| 1. <u>G</u> | 4. <u>K</u> | 7. <u>I</u> | 10. <u>E</u> |
| 2. <u>J</u> | 5. <u>C</u> | 8. <u>G</u> | 11. <u>H</u> |
| 3. <u>B</u> | 6. <u>F</u> | 9. <u>D</u> | 12. <u>A</u> |

### Part II: Multiple Choice

- |              |              |              |              |
|--------------|--------------|--------------|--------------|
| 13. <u>B</u> | 15. <u>A</u> | 17. <u>B</u> | 19. <u>C</u> |
| 14. <u>B</u> | 16. <u>C</u> | 18. <u>B</u> | 20. <u>A</u> |

### Part III: Free Response

21. A question can have parts and subparts

(a) Here is a part

Here is its solution

(b) Here is another part

i. Its first subpart

and respective solution

ii. Next subpart

and respective solution

(c) Last part

solution

22. You can put math here:  $y = mx + b$  or alternatively

$$i\hbar \frac{\partial \Psi}{\partial t} = -\frac{\hbar^2}{2m} \frac{\partial^2 \Psi}{\partial x^2} + V\Psi$$

if you like this better.

solution can have *math* as well

23. Quotation “marks” and % symbols are preserved

solution

24. (3 points) Indicate point values by preceding questions with curly bracketed numbers

(a) question1

And the number of lines the solution will take up

(b) question2

If solution size is not explicitly given, it'll try to guess based on the solution you've written. If you write a really long solution, then it will try to allocate more space for the student to match. But sometimes you want to write a long, detailed solution even though the expected solution may not be as long, so it's better to specify the expected number of lines.

25. You can also directly put some  $\text{\LaTeX}$  commands in here

and they *should* work

26. Back to some sweet

(a) free

free

(b) response

response

(c) questions!

questions

27. By default, no answer sheet is generated at the end of the exam. You must use the ans option to specify if you want an answer sheet for a given question module

ok

28. But of course, every question module shows up in the answer key

of course