1: Multiple Choices (20 points)

1. A
2. D
3. A
4. C
5. A
6. C
7. D
8. C
9. A
10. D

2: True / False (20 points)

11. F
12. F
13. T
14. T
15. F
16. T
17. F
18. T
19. F
20. T

3: Fill in the blanks (78 points)

- Na/Cl, K/A-
- Microtubules, axoplasmic
- Optic chiasm, V1/primary visual cortex
- Rate
- Metabotropic, ionotropic
- Culture/petri dish
- Action potential, vesicles, synaptic cleft, receptors
- Lateral, third, fourth, blood, hydrocephalus
- PET, fMRI
- Depolarization, action potential, GABA/Glycine, hyperpolarization
- GABA/Glycine, acetylcholine
- Sham
- Fovea, rods
- Antagonist, antagonist
- Colors (red-green)
- Thalamus, lateral geniculate nucleus, medial geniculate nucleus
- Dopamine, Parkinson’s
- Twin

4: Short Answers (32 points)

- Brightness, hue, saturation
- Force of diffusion, electrostatic pressure, Na/K pump
- Textbook, p71
  - Textbook, p78
- Histology, chronic behaving, in vitro, tracing, staining, microdialysis
- astrocytes, oligodendrocytes, Schwann cells, microglia