



1. True/False

- (a) ☒ T ☐ F (i) ☐ T ☐ F
 (b) ☐ T ☒ F (j) ☐ T ☐ F
 (c) ☒ T ☐ F (k) ☐ T ☐ F
 (d) ☐ T ☒ F (l) ☐ T ☐ F
 (e) ☐ T ☒ F (m) ☐ T ☐ F
 (f) ☒ T ☐ F (n) ☐ T ☐ F
 (g) ☐ T ☒ F (o) ☐ T ☐ F
 (h) ☒ T ☐ F

2. Short Questions

(a) Fragmentation

- i. ☒ A ☐ B ☐ C
 ii. ☐ A ☒ B ☐ C
 iii. ☐ A ☐ B ☒ C

(b) DHCP

- i. ☒ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E

(c) IPv4 vs IPv6

- ☐ A ☐ B ☐ C ☐ D

(d) Routing

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E
 v. ☐ A ☐ B ☐ C ☐ D ☐ E
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E
 vii. ☐ A ☐ B ☐ C ☐ D ☐ E
 viii. ☐ A ☐ B ☐ C ☐ D ☐ E
 ix. ☐ A ☐ B ☐ C ☐ D ☐ E

(e) Layers

- ☐ A ☐ B ☐ C

3. LPM

- (a) ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11
 (b) ☐ Y ☐ N
 (c) ☐ Y ☐ N
 (d) ☐ Y ☐ N

4. Discovery

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (c) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (d) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (e) ☐ Y ☐ N
 (f) ☐ Y ☐ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ A ☐ B ☐ C ☐ D ☐ E ☒ F ☐ -
 ii. ☐ A ☐ B ☒ C ☒ D ☐ E ☐ F ☐ -

(b) Full Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

(c) Partial Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 v. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

6. ACKing

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (b) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (c) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N

8. Putting It All Together

- (a) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (b) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (c) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (d) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (e) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☐ C ☐ D
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C ☐ D
 v. ☐ A ☐ B ☐ C
 vi. ☐ A ☐ B ☐ C
 vii. ☐ Y ☐ N
 viii. ☐ Y ☐ N
 (b) i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C





1. True/False

- (a) ☐ T ☐ F (i) ☐ T ☐ F
 (b) ☐ T ☐ F (j) ☐ T ☐ F
 (c) ☐ T ☐ F (k) ☐ T ☐ F
 (d) ☐ T ☐ F (l) ☐ T ☐ F
 (e) ☐ T ☐ F (m) ☐ T ☐ F
 (f) ☐ T ☐ F (n) ☐ T ☐ F
 (g) ☐ T ☐ F (o) ☐ T ☐ F
 (h) ☐ T ☐ F

2. Short Questions

(a) Fragmentation

- i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C

(b) DHCP

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E

(c) IPv4 vs IPv6

- ☐ A ☐ B ☐ C ☐ D

(d) Routing

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E
 v. ☐ A ☐ B ☐ C ☐ D ☐ E
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E
 vii. ☐ A ☐ B ☐ C ☐ D ☐ E
 viii. ☐ A ☐ B ☐ C ☐ D ☐ E
 ix. ☐ A ☐ B ☐ C ☐ D ☐ E

(e) Layers

- ☐ A ☐ B ☐ C

3. LPM

- (a) ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11
 (b) ☐ Y ☐ N
 (c) ☐ Y ☐ N
 (d) ☐ Y ☐ N

4. Discovery

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (c) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (d) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (e) ☐ Y ☐ N
 (f) ☐ Y ☐ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ A ☐ B ☐ C ☐ D ☐ E ☒ F ☐ -
 ii. ☐ A ☐ B ☒ C ☒ D ☐ E ☐ F ☐ -

(b) Full Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

(c) Partial Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 v. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

6. ACKing

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (b) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (c) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N

8. Putting It All Together

- (a) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (b) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (c) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (d) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (e) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☐ C ☐ D
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C ☐ D
 v. ☐ A ☐ B ☐ C
 vi. ☐ A ☐ B ☐ C
 vii. ☐ Y ☐ N
 viii. ☐ Y ☐ N
 (b) i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C



1. True/False

- (a) T F (b) T F (c) T F (d) T F (e) T F (f) T F (g) T F (h) T F (i) T F (j) T F (k) T F (l) T F (m) T F (n) T F (o) T F

2. Short Questions

(a) Fragmentation

i. A B C

ii. A B C

iii. A B C

(b) DHCP

i. A B C D E

ii. A B C D E

iii. A B C D E

iv. A B C D E

(c) IPv4 vs IPv6

A B C D

(d) Routing

i. A B C D E

ii. A B C D E

iii. A B C D E

iv. A B C D E

v. A B C D E

vi. A B C D E

vii. A B C D E

viii. A B C D E

ix. A B C D E

(e) Layers

A B C

3. LPM

(a) 6 7 8 9 10 11

(b) Y N

(c) Y N

(d) Y N

4. Discovery

(a) A B C D E F

(b) A B C D E F

(c) A B C D E F

(d) A B C D E F

(e) A B C D E F

(f) Y N

(g) H I J K L

(h) Y N

(i) Y N

(j) Y N

(a) Computing Shortest

(b) Full Updates

(c) Partial Updates

(d) ACKing

(e) Layers

(f) Routing

(g) IPv4 vs IPv6

(h) DHCP

(i) Fragmentation

(j) Short Questions

(k) LPM

(l) Discovery

(m) Putting It All Together

(n) When Things Go Awry

(o) ARP and Learning

(p) Distance Vector

(q) Computing Shortest

(r) Full Updates

(s) Partial Updates

(t) ACKing

(u) Layers

(v) Routing

(w) IPv4 vs IPv6

(x) DHCP

(y) Fragmentation

(z) Short Questions

(aa) LPM

(ab) Discovery

(ac) Putting It All Together

(ad) When Things Go Awry

(ae) ARP and Learning

(af) Distance Vector

(ag) Computing Shortest

(ah) Full Updates

(ai) Partial Updates

(aj) ACKing

(ak) Layers

(al) Routing

(am) IPv4 vs IPv6

(an) DHCP

(ao) Fragmentation

(ap) Short Questions

(aq) LPM

(ar) Discovery

(as) Putting It All Together

(at) When Things Go Awry

(au) ARP and Learning

(av) Distance Vector

(aw) Computing Shortest

(ax) Full Updates

(ay) Partial Updates

(az) ACKing

(ba) Layers

(bb) Routing

(bc) IPv4 vs IPv6

(bd) DHCP

(be) Fragmentation

(bf) Short Questions

(bg) LPM

(bh) Discovery

(bi) Putting It All Together

(bj) When Things Go Awry

(bk) ARP and Learning

(bl) Distance Vector

(bm) Computing Shortest

(bn) Full Updates

(bo) Partial Updates

(bp) ACKing

(bq) Layers

(br) Routing

(bs) IPv4 vs IPv6

(bt) DHCP

(bu) Fragmentation

(bv) Short Questions

(bw) LPM

(bx) Discovery

(by) Putting It All Together

(bz) When Things Go Awry

(ca) ARP and Learning

(cb) Distance Vector

(cc) Computing Shortest

(cd) Full Updates

(ce) Partial Updates

(cf) ACKing

(cg) Layers

(ch) Routing

(ci) IPv4 vs IPv6

(cj) DHCP

(ck) Fragmentation

(cl) Short Questions

(cm) LPM

(cn) Discovery

(co) Putting It All Together

(cp) When Things Go Awry

(cq) ARP and Learning

(cr) Distance Vector

(cs) Computing Shortest

(ct) Full Updates

(cu) Partial Updates

(cv) ACKing

(cw) Layers

(cx) Routing

(cy) IPv4 vs IPv6

(cz) DHCP

(da) Fragmentation

(db) Short Questions

(dc) LPM

(dd) Discovery

(de) Putting It All Together

(df) When Things Go Awry

(dg) ARP and Learning

(dh) Distance Vector

(di) Computing Shortest

(dj) Full Updates

(dk) Partial Updates

(dl) ACKing

(dm) Layers

(dn) Routing

(do) IPv4 vs IPv6

(dp) DHCP

(dq) Fragmentation

(dr) Short Questions

(ds) LPM

(dt) Discovery

(du) Putting It All Together

(dv) When Things Go Awry

(dw) ARP and Learning

(dx) Distance Vector

(dy) Computing Shortest

(dz) Full Updates

(ea) Partial Updates

(eb) ACKing

(ec) Layers

(ed) Routing

(ee) IPv4 vs IPv6

(ef) DHCP

(eg) Fragmentation

(eh) Short Questions

(ei) LPM

(ej) Discovery

(ek) Putting It All Together

(el) When Things Go Awry

(em) ARP and Learning

(en) Distance Vector

(eo) Computing Shortest

(ep) Full Updates

(eq) Partial Updates

(er) ACKing

(es) Layers

(et) Routing

(eu) IPv4 vs IPv6

(ev) DHCP

(ew) Fragmentation

(ex) Short Questions

(ey) LPM

(ez) Discovery

(fa) Putting It All Together

(fb) When Things Go Awry

(fc) ARP and Learning

(fd) Distance Vector

(fe) Computing Shortest

(ff) Full Updates

(fg) Partial Updates

(fh) ACKing

(fi) Layers

(fj) Routing

(fk) IPv4 vs IPv6

(fl) DHCP

(fm) Fragmentation

(fn) Short Questions

(fo) LPM

(fp) Discovery

(fq) Putting It All Together

(fr) When Things Go Awry

(fs) ARP and Learning

(ft) Distance Vector

(fu) Computing Shortest

(fv) Full Updates

(fw) Partial Updates

(fx) ACKing

(fy) Layers

(fz) Routing

(ga) IPv4 vs IPv6

(gb) DHCP

(gc) Fragmentation

(gd) Short Questions

(ge) LPM

(gf) Discovery

(gg) Putting It All Together

(gh) When Things Go Awry

(gi) ARP and Learning

(gj) Distance Vector

(gk) Computing Shortest

(gl) Full Updates

(gm) Partial Updates

(gn) ACKing

(go) Layers

(gp) Routing

(gq) IPv4 vs IPv6

(gr) DHCP

(gs) Fragmentation

(gt) Short Questions

(gu) LPM

(gv) Discovery

(gw) Putting It All Together

(gx) When Things Go Awry

(gy) ARP and Learning

(gz) Distance Vector

(ha) Computing Shortest

(hb) Full Updates

(hc) Partial Updates

(hd) ACKing

(he) Layers

(hf) Routing

(hg) IPv4 vs IPv6

(hh) DHCP

(hi) Fragmentation

(hj) Short Questions

(hk) LPM

(hl) Discovery

(hm) Putting It All Together

(hn) When Things Go Awry

(ho) ARP and Learning

(hp) Distance Vector

(hq) Computing Shortest

(hr) Full Updates

(hs) Partial Updates

(ht) ACKing

(hu) Layers

(hv) Routing

(hw) IPv4 vs IPv6

(hx) DHCP

(hy) Fragmentation

(hz) Short Questions

(ia) LPM

(ib) Discovery

(ic) Putting It All Together

(id) When Things Go Awry

(ie) ARP and Learning

(if) Distance Vector

(ig) Computing Shortest

(ih) Full Updates

(ii) Partial Updates

(ij) ACKing

(ik) Layers

(il) Routing

(im) IPv4 vs IPv6

(in) DHCP

(io) Fragmentation

(ip) Short Questions

(iq) LPM

(ir) Discovery

(is) Putting It All Together

(it) When Things Go Awry

(iu) ARP and Learning

(iv) Distance Vector

(iu) Computing Shortest

(iv) Full Updates

(iu) Partial Updates

(iv) ACKing

(iu) Layers

(iv) Routing

(iu) IPv4 vs IPv6

(iv) DHCP

(iu) Fragmentation

(iv) Short Questions

(iu) LPM

(iv) Discovery

(iu) Putting It All Together

(iv) When Things Go Awry



1. True/False

- (a) T ☒ (i) T ☒
 (b) ☒ F (j) T ☒
 (c) ☒ F (k) T ☒
 (d) T ☒ (l) ☒ F
 (e) T ☒ (m) T ☒
 (f) ☒ F (n) T ☒
 (g) ☒ F (o) ☒ F
 (h) T ☒

2. Short Questions

(a) Fragmentation

- i. A B ☒
 ii. A ☒ C
 iii. ☒ B C

(b) DHCP

- i. A ☒ C D E
 ii. A B ☒ D E
 iii. A B C ☒ E
 iv. A B C D ☒ E

(c) IPv4 vs IPv6

- A B C ☒

(d) Routing

- i. ☒ B C D E
 ii. A ☒ C D E
 iii. A B ☒ D E
 iv. A B C ☒ E
 v. A B C D ☒ E
 vi. A B C ☒ E
 vii. A B ☒ D E
 viii. A ☒ C D E
 ix. ☒ B C D E

(e) Layers

- A ☒ C

3. LPM

- (a) 6 7 ☒ 9 10 11
 (b) ☒ N
 (c) ☒ N
 (d) ☒ N

4. Discovery

- (a) ☒ B ☒ D ☒ F
 G ☒ I ☒ K ☒ L
 (b) ☒ B ☒ D E F
 G ☒ I J K L
 (c) A B C ☒ E ☒ F
 G H I J ☒ L
 (d) ☒ B ☒ C D E F
 G H I J K L
 (e) Y ☒
 (f) Y ☒ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ B C ☒ E ☒ -
 ii. A B ☒ ☒ F ☒ -

(b) Full Updates

- i. A B ☒ D E F ☒ -
 ii. A ☒ C ☒ E F ☒ -

(c) Partial Updates

- i. A ☒ C D E F ☒ -
 ii. A B ☒ D E F ☒ -
 iii. A B C ☒ E F ☒ -
 iv. A B C D ☒ F ☒ -
 v. A B C D E ☒ F ☒ -
 vi. A B C D E F ☒

6. ACKing

- (a) ☒ B C D E F G
 (b) A ☒ C D E F G

7. When Things Go Awry

- (a) i. ☒ N
 ii. ☒ N
 (b) i. ☒ N
 ii. ☒ N
 (c) i. ☒ N
 ii. ☒ N

8. Putting It All Together

- (a) i. A B C ☒ R2
 ii. A B C ☒ R2
 (b) i. A B C ☒ R2
 ii. A B C ☒ R2
 (c) i. A B C ☒ R2
 ii. A B C ☒ R2
 iii. A B C ☒ R2
 iv. A B C ☒ R2
 (d) i. A B C ☒ R2
 ii. A B C ☒ R2
 iii. A B C ☒ R2
 iv. A B C ☒ R2
 (e) i. A B C ☒ R2
 ii. A B C ☒ R2
 iii. A B C ☒ R2
 iv. A B C ☒ R2

9. ARP and Learning

- (a) i. A B C ☒
 ii. A B ☒
 iii. A ☒ C
 iv. ☒ B C ☒
 v. A B ☒
 vi. A ☒ C
 vii. Y N
 viii. Y N
 (b) i. ☒ B C
 ii. A ☒ C
 iii. A B ☒
 iv. A ☒ C



7. When Things Go

Awry

- (a) i. ☒ Y ☐ N
 ii. ☐ Y ☐ N
 (b) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (c) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N

8. Putting It All Together

- (a) i. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (b) i. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (c) i. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (d) i. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (e) i. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ C ☒ R1 ☒ R2

9. ARP and Learning

- (a) i. ☒ A ☒ B ☒ C ☒ D
 ii. ☒ A ☒ B ☒ C
 iii. ☒ A ☒ B ☒ C
 iv. ☒ A ☒ B ☒ C
 (b) i. ☒ A ☒ B ☒ C
 ii. ☒ A ☒ B ☒ C
 iii. ☒ A ☒ B ☒ C
 iv. ☒ A ☒ B ☒ C
 v. ☒ A ☒ B ☒ C
 vi. ☒ A ☒ B ☒ C
 vii. ☒ Y ☐ N
 viii. ☒ Y ☐ N

3. LPM

- (a) 6 7 8 9 10 11
 (b) ☒ N
 (c) ☒ Y
 (d) ☒ Y

4. Discovery

- (a) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
 (b) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
 (c) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
 (d) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
 (e) ☒ N
 (f) ☒ Y

5. Distance Vector

- (a) Computing Shortest Paths
 i. ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 (b) Full Updates
 i. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 (c) Partial Updates
 i. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 iii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 iv. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 v. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 vi. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 vii. ☒ Y ☐ N
 viii. ☒ Y ☐ N

6. ACKing

- (a) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ G
 (b) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ G

1. True/False

- (a) ☒ F ☐ T
 (b) ☒ F ☐ T
 (c) ☒ F ☐ T
 (d) ☒ F ☐ T
 (e) ☒ F ☐ T
 (f) ☒ F ☐ T
 (g) ☒ T ☐ F
 (h) ☒ T ☐ F
 (i) ☒ T ☐ F
 (j) ☒ F ☐ T
 (k) ☒ F ☐ T
 (l) ☒ T ☐ F
 (m) ☒ F ☐ T
 (n) ☒ T ☐ F
 (o) ☒ T ☐ F

2. Short Questions

(a) Fragmentation

- i. ☒ A ☒ B ☒ C
 ii. ☒ A ☒ B ☒ C
 iii. ☒ B ☒ C

(b) DHCP

- i. ☒ A ☒ B ☒ C ☒ D ☒ E
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E
 iii. ☒ A ☒ B ☒ C ☒ D ☒ E
 iv. ☒ A ☒ B ☒ C ☒ D ☒ E

(c) IPv4 vs IPv6

- ☒ B ☒ C

(d) Routing

- i. ☒ A ☒ B ☒ C ☒ D ☒ E
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E
 iii. ☒ A ☒ B ☒ C ☒ D ☒ E
 iv. ☒ A ☒ B ☒ C ☒ D ☒ E
 v. ☒ A ☒ B ☒ C ☒ D ☒ E
 vi. ☒ A ☒ B ☒ C ☒ D ☒ E
 vii. ☒ A ☒ B ☒ C ☒ D ☒ E
 viii. ☒ A ☒ B ☒ C ☒ D ☒ E
 ix. ☒ A ☒ B ☒ C ☒ D ☒ E
 (e) Layers
☒ A ☒ B ☒ C

1. True/False

- (a) ☐ (f) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐ (f) ☐ (g) ☐ (h) ☐ (i) ☐ (j) ☐ (k) ☐ (l) ☐ (m) ☐ (n) ☐ (o) ☐ (p) ☐

2. Short Questions

(a) Fragmentation

i. ☐ A B Cii. ☐ A B Ciii. ☐ A B C

(b) DHCP

i. ☐ A B C D Eii. ☐ A B C D Eiii. ☐ A B C D Eiv. ☐ A B C D E

(c) IP v4 vs IP v6

☐ A B C D

(d) Routing

i. ☐ A B C D Eii. ☐ A B C D Eiii. ☐ A B C D Eiv. ☐ A B C D Ev. ☐ A B C D Evi. ☐ A B C D Evii. ☐ A B C D Eviii. ☐ A B C D Eix. ☐ A B C D E

(e) Layers

☐ A B C

3. LPM

(a) 6 7 8 9 10 11

(b) ☐ N(c) ☐ N(d) ☐ N

4. Discovery

(a) ☐ A B C D E F(b) ☐ A B C D E F(c) ☐ A B C D E F(d) ☐ A B C D E F(e) ☐ A B C D E F(f) ☐ A B C D E F(g) ☐ H I J K L(h) ☐ N(i) ☐ N

5. Distance Vector

(a) Computing Shortest

Paths

i. ☐ B C D E Fii. ☐ A B C D E F

(b) Full Updates

i. ☐ A B C D E Fii. ☐ A B C D E F

(c) Partial Updates

i. ☐ A B C D E Fii. ☐ A B C D E Fiii. ☐ A B C D E Fiv. ☐ A B C D E Fv. ☐ A B C D E Fvi. ☐ A B C D E F

6. ACKing

(a) ☐ A B C D E F G(b) ☐ A B C D E F G

7. When Things Go

Awry

(a) i. ☐ Nii. ☐ N(b) i. ☐ Nii. ☐ N(c) i. ☐ Nii. ☐ N

8. Putting It All Together

(a) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2(b) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2(c) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2(d) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2(e) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2iii. ☐ A B C R1 R2iv. ☐ A B C R1 R2(f) i. ☐ A B C R1 R2ii. ☐ A B C R1 R2iii. ☐ A B C R1 R2iv. ☐ A B C R1 R2

9. ARP and Learning

(a) i. ☐ A B C Dii. ☐ A B Ciii. ☐ A B Civ. ☐ A B C Dv. ☐ A B Cvi. ☐ A B Cvii. ☐ N(b) i. ☐ A B Cii. ☐ A B Ciii. ☐ A B Civ. ☐ A B C



1. True/False

- (a) T ☒ F (i) T ☒ F
 (b) T ☒ F (j) T ☒ F
 (c) T ☒ F (k) T ☒ F
 (d) T ☒ F (l) T ☒ F
 (e) T ☒ F (m) T ☒ F
 (f) T ☒ F (n) T ☒ F
 (g) T ☒ F (o) T ☒ F
 (h) T ☒ F

2. Short Questions

(a) Fragmentation

- i. ☒ B ☒ C
 ii. A ☒ B ☒ C
 iii. A ☒ B ☒ C

(b) DHCP

- i. A ☒ B ☒ D ☒ E
 ii. A ☒ B ☒ C ☒ D ☒ E
 iii. A ☒ B ☒ C ☒ D ☒ E
 iv. A ☒ B ☒ C ☒ D ☒ E

(c) IPv4 vs IPv6

- A ☒ B ☒ D

(d) Routing

- i. A ☒ B ☒ D ☒ E
 ii. A ☒ B ☒ D ☒ E
 iii. A ☒ B ☒ D ☒ E
 iv. A ☒ B ☒ D ☒ E
 v. A ☒ B ☒ C ☒ D ☒ E
 vi. A ☒ B ☒ C ☒ D ☒ E
 vii. A ☒ B ☒ C ☒ D ☒ E
 viii. A ☒ B ☒ C ☒ D ☒ E
 ix. A ☒ B ☒ C ☒ D ☒ E

(e) Layers

- A ☒ B ☒ C

3. LPM

- (a) 6 7 ☒ 9 10 11
 (b) Y ☒ N
 (c) Y ☒ N
 (d) Y ☒ N

4. Discovery

- (a) A B C ☒ D E F
 G H I J K L
 (b) A B C D E F
 G H I J K L
 (c) A B ☒ C ☒ D ☒ E ☒ F
 G H I J K L
 (d) A B C D ☒ E F
 G H I ☒ J K L
 (e) Y ☒ N
 (f) Y ☒ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -

(b) Full Updates

- i. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -

(c) Partial Updates

- i. ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 iii. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 iv. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 v. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 vi. A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -

6. ACKing

- (a) A ☒ B ☒ D ☒ E ☒ F ☒ G
 (b) A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ G

7. When Things Go Awry

- (a) i. Y ☒ N
 ii. Y ☒ N
 (b) i. Y ☒ N
 ii. Y ☒ N
 (c) i. Y ☒ N
 ii. Y ☒ N

8. Putting It All Together

- (a) i. A ☒ B ☒ C ☒ R1 ☒ R2
 ii. A ☒ B ☒ C ☒ R1 ☒ R2
 (b) i. A ☒ B ☒ C ☒ R1 ☒ R2
 ii. A ☒ B ☒ C ☒ R1 ☒ R2
 (c) i. A ☒ B ☒ C ☒ R1 ☒ R2
 ii. A ☒ B ☒ C ☒ R1 ☒ R2
 iii. A ☒ B ☒ C ☒ R1 ☒ R2
 iv. A ☒ B ☒ C ☒ R1 ☒ R2
 (d) i. A ☒ B ☒ C ☒ R1 ☒ R2
 ii. A ☒ B ☒ C ☒ R1 ☒ R2
 iii. A ☒ B ☒ C ☒ R1 ☒ R2
 iv. A ☒ B ☒ C ☒ R1 ☒ R2
 (e) i. A ☒ B ☒ C ☒ R1 ☒ R2
 ii. A ☒ B ☒ C ☒ R1 ☒ R2
 iii. A ☒ B ☒ C ☒ R1 ☒ R2
 iv. A ☒ B ☒ C ☒ R1 ☒ R2

9. ARP and Learning

- (a) i. A ☒ B ☒ C ☒ D
 ii. A ☒ B ☒ C
 iii. A ☒ B ☒ C
 iv. A ☒ B ☒ C ☒ D
 v. A ☒ B ☒ C
 vi. A ☒ B ☒ C
 vii. Y ☒ N
 viii. Y ☒ N
 (b) i. A ☒ B ☒ C
 ii. A ☒ B ☒ C
 iii. A ☒ B ☒ C
 iv. A ☒ B ☒ C





1. True/False

- (a) ☐ T ☒ F (i) ☐ T ☒ F
 (b) ☒ T ☐ F (j) ☒ T ☐ F
 (c) ☐ T ☒ F (k) ☐ T ☒ F
 (d) ☒ T ☐ F (l) ☐ T ☐ F
 (e) ☐ T ☒ F (m) ☐ T ☒ F
 (f) ☒ T ☐ F (n) ☒ T ☐ F
 (g) ☐ T ☒ F (o) ☐ T ☒ F
 (h) ☒ T ☐ F

2. Short Questions

(a) Fragmentation

- i. ☒ A ☐ B ☐ C
 ii. ☐ A ☒ B ☐ C
 iii. ☐ A ☐ B ☒ C

(b) DHCP

- i. ☒ A ☐ B ☐ C ☐ D ☒ E
 ii. ☐ A ☒ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☒ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☒ E

(c) IPv4 vs IPv6

- ☐ A ☐ B ☒ C ☐ D

(d) Routing

- i. ☐ A ☐ B ☒ C ☐ D ☐ E
 ii. ☐ A ☐ B ☒ C ☐ D ☐ E
 iii. ☐ A ☐ B ☒ C ☐ D ☐ E
 iv. ☐ A ☐ B ☒ C ☐ D ☐ E
 v. ☐ A ☐ B ☒ C ☐ D ☐ E
 vi. ☐ A ☐ B ☒ C ☐ D ☐ E
 vii. ☐ A ☐ B ☒ C ☐ D ☐ E
 viii. ☐ A ☐ B ☒ C ☐ D ☐ E
 ix. ☐ A ☐ B ☒ C ☐ D ☐ E

(e) Layers

- ☐ A ☐ B ☒ C

3. LPM

- (a) ☐ 6 ☒ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11
 (b) ☒ Y ☐ N
 (c) ☐ Y ☒ N
 (d) ☒ Y ☐ N

4. Discovery

- (a) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F
 ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (b) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F
 ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (c) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F
 ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (d) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F
 ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (e) ☒ Y ☐ N
 (f) ☐ Y ☒ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ A ☐ B ☒ C ☐ D ☐ E ☒ F ☐ -
 ii. ☐ A ☐ B ☒ C ☒ D ☐ E ☐ F ☐ -

(b) Full Updates

- i. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -

(c) Partial Updates

- i. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 iii. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 iv. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 v. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -
 vi. ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ -

6. ACKing

- (a) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ G
 (b) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☒ Y ☐ N
 ii. ☐ Y ☒ N
 (b) i. ☒ Y ☐ N
 ii. ☐ Y ☒ N
 (c) i. ☒ Y ☐ N
 ii. ☐ Y ☒ N

8. Putting It All Together

- (a) i. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 (b) i. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 (c) i. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 (d) i. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 (e) i. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☒ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☒ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☒ C ☐ D
 ii. ☐ A ☐ B ☒ C
 iii. ☐ A ☐ B ☒ C
 iv. ☐ A ☐ B ☒ C ☐ D
 v. ☐ A ☐ B ☒ C
 vi. ☐ A ☐ B ☒ C
 vii. ☒ Y ☐ N
 viii. ☐ Y ☒ N
 (b) i. ☐ A ☐ B ☒ C
 ii. ☐ A ☐ B ☒ C
 iii. ☐ A ☐ B ☒ C
 iv. ☐ A ☐ B ☒ C





1. True/False

- (a) ☒ F (i) ☒ T
 (b) ☒ T (j) ☒ F
 (c) ☒ F (k) ☒ T
 (d) ☒ T (l) ☒ F
 (e) ☒ F (m) ☒ T
 (f) ☒ T (n) ☒ F
 (g) ☒ F (o) ☒ T
 (h) ☒ T

2. Short Questions

(a) Fragmentation

- i. ☒ A ☒ C
 ii. ☒ A ☒ C
 iii. ☒ A ☒ C

(b) DHCP

- i. ☒ A ☒ B ☒ C ☒ D
 ii. ☒ A ☒ B ☒ C ☒ D
 iii. ☒ A ☒ B ☒ C ☒ D
 iv. ☒ A ☒ B ☒ C ☒ D

(c) IPv4 vs IPv6

- ☒ A ☒ B ☒ D

(d) Routing

- i. ☒ ☒ ☒ ☒ ☒
 ii. ☒ B ☒ D
 iii. ☒ B ☒ C ☒ D
 iv. ☒ ☒ ☒ ☒ ☒
 v. ☒ B ☒ C ☒ D ☒ E
 vi. ☒ B ☒ C ☒ D ☒ E
 vii. ☒ B ☒ C ☒ D
 viii. ☒ ☒ ☒ ☒ ☒
 ix. ☒ B ☒ C ☒ D

(e) Layers

- ☒ A ☒ B ☒ C

3. LPM

- (a) ☒ 6 ☒ 7 ☒ 8 ☒ 10 ☒ 11
 (b) ☒ N
 (c) ☒ Y
 (d) ☒ N

4. Discovery

- (a) ☒ A ☒ B ☒ D ☒ E ☒ F
☒ G ☒ H ☒ J ☒ K ☒ L
 (b) ☒ A ☒ B ☒ C ☒ E ☒ F
☒ G ☒ H ☒ I ☒ K ☒ L
 (c) ☒ A ☒ B ☒ D ☒ F
☒ G ☒ H ☒ J ☒ K ☒ L
 (d) ☒ A ☒ B ☒ C ☒ D ☒ F
☒ H ☒ I ☒ J ☒ K ☒ L
 (e) ☒ Y
 (f) ☒ Y

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ B ☒ C ☒ D ☒ E
 ii. ☒ A ☒ B ☒ E ☒ F

(b) Full Updates

- i. ☒ ☒ ☒ ☒ ☒ ☒
 ii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F

(c) Partial Updates

- i. ☒ A ☒ B ☒ D ☒ E ☒ F -
 ii. ☒ A ☒ B ☒ C ☒ E ☒ F -
 iii. ☒ A ☒ B ☒ C ☒ D ☒ F -
 iv. ☒ A ☒ B ☒ D ☒ E ☒ F -
 v. ☒ A ☒ B ☒ C ☒ D ☒ F -
 vi. ☒ A ☒ B ☒ D ☒ E ☒ F -

6. ACKing

- (a) ☒ A ☒ B ☒ C ☒ E ☒ F ☒ G
 (b) ☒ A ☒ B ☒ C ☒ D ☒ F ☒ G

7. When Things Go Awry

- (a) i. ☒ Y
 ii. ☒ Y
 (b) i. ☒ Y
 ii. ☒ Y
 (c) i. ☒ Y
 ii. ☒ Y

8. Putting It All Together

- (a) i. ☒ A ☒ B ☒ C ☒ R1
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (b) i. ☒ A ☒ B ☒ C ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (c) i. ☒ A ☒ B ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ C ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (d) i. ☒ B ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ C ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 (e) i. ☒ A ☒ B ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ B ☒ C ☒ R2
 iv. ☒ A ☒ B ☒ C ☒ R1 ☒ R2

9. ARP and Learning

- (a) i. ☒ A ☒ B ☒ D
 ii. ☒ A ☒ B
 iii. ☒ A ☒ B
 iv. ☒ A ☒ B ☒ D
 v. ☒ A ☒ B
 vi. ☒ A ☒ B
 vii. ☒ N
 viii. ☒ N
 (b) i. ☒ A ☒ B
 ii. ☒ A ☒ B
 iii. ☒ A ☒ B
 iv. ☒ A ☒ B





1. True/False

- (a) ☐ T ☐ F (i) ☒ T ☐ F
 (b) ☐ T ☐ F (j) ☐ T ☐ F
 (c) ☐ T ☐ F (k) ☐ T ☒ F
 (d) ☐ T ☒ F (l) ☐ T ☐ F
 (e) ☐ T ☐ F (m) ☐ T ☐ F
 (f) ☒ T ☐ F (n) ☐ T ☐ F
 (g) ☐ T ☐ F (o) ☒ T ☐ F
 (h) ☐ T ☒ F

2. Short Questions

(a) Fragmentation

- i. ☐ A ☒ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☒ C

(b) DHCP

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E

(c) IPv4 vs IPv6

- ☐ A ☐ B ☐ C ☐ D

(d) Routing

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E
 v. ☐ A ☐ B ☐ C ☐ D ☐ E
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E
 vii. ☐ A ☐ B ☐ C ☐ D ☐ E
 viii. ☐ A ☐ B ☐ C ☐ D ☐ E
 ix. ☐ A ☐ B ☐ C ☐ D ☐ E

(e) Layers

- ☐ A ☐ B ☐ C

3. LPM

- (a) ☐ 6 ☐ 7 ☒ 8 ☐ 9 ☐ 10 ☐ 11
 (b) ☐ Y ☒ N
 (c) ☒ Y ☐ N
 (d) ☐ Y ☒ N

4. Discovery

- (a) ☐ A ☐ B ☒ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☒ J ☒ K ☐ L
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (c) ☐ A ☐ B ☐ C ☐ D ☒ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (d) ☐ A ☐ B ☐ C ☒ D ☒ E ☒ F
☐ G ☐ H ☒ I ☐ J ☐ K ☐ L
 (e) ☐ Y ☐ N
 (f) ☐ Y ☐ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ A ☐ B ☐ C ☐ D ☐ E ☒ F ☐ -
 ii. ☐ A ☐ B ☒ C ☒ D ☐ E ☐ F ☐ -

(b) Full Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -

(c) Partial Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 v. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☒ -

6. ACKing

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☐ Y ☒ N
 ii. ☒ Y ☐ N
 (b) i. ☐ Y ☒ N
 ii. ☐ Y ☒ N
 (c) i. ☒ Y ☐ N
 ii. ☒ Y ☐ N

8. Putting It All Together

- (a) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (b) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (c) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (d) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (e) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☐ C ☐ D
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C ☐ D
 v. ☐ A ☐ B ☐ C
 vi. ☐ A ☐ B ☐ C
 vii. ☐ Y ☐ N
 viii. ☐ Y ☐ N
 (b) i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C



1. True/False

- (a) ☒ F (b) ☐ F (c) ☒ T (d) ☐ F (e) ☒ F (f) ☐ T (g) ☒ T (h) ☒ F
- (i) ☒ F (j) ☐ T (k) ☒ T (l) ☒ F (m) ☐ T (n) ☒ T (o) ☐ F

2. Short Questions

(a) Fragmentation

- i. ☒ A ☒ B ☒ C
ii. ☐ A ☐ B ☐ C
iii. ☐ A ☐ B ☐ C

(b) DHCP

- i. ☒ A ☒ B ☒ C ☒ D ☒ E
ii. ☐ A ☐ B ☐ C ☐ D ☐ E
iii. ☐ A ☐ B ☐ C ☐ D ☐ E
iv. ☐ A ☐ B ☐ C ☐ D ☐ E

(c) IPv4 vs IPv6

- ☐ A ☐ B ☐ C ☐ D

(d) Routing

- i. ☒ A ☒ B ☒ C ☒ D ☒ E
ii. ☐ A ☐ B ☐ C ☐ D ☐ E
iii. ☐ A ☐ B ☐ C ☐ D ☐ E
iv. ☐ A ☐ B ☐ C ☐ D ☐ E
v. ☐ A ☐ B ☐ C ☐ D ☐ E
vi. ☐ A ☐ B ☐ C ☐ D ☐ E
vii. ☐ A ☐ B ☐ C ☐ D ☐ E
viii. ☐ A ☐ B ☐ C ☐ D ☐ E
ix. ☐ A ☐ B ☐ C ☐ D ☐ E

(e) Layers

- ☐ A ☐ B ☐ C

3. LPM

- (a) 6 7 8 9 10 11

- (b) ☐ Y ☐ N
(c) ☐ Y ☐ N
(d) ☐ Y ☐ N

4. Discovery

- (a) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
(b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
(c) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
(d) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
(e) ☐ Y ☐ N
(f) ☐ Y ☐ N

5. Distance Vector

- (a) Computing Shortest Paths
i. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
- (b) Full Updates
i. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
- (c) Partial Updates
i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F

6. ACKing

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G
(b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☒ Y
ii. ☐ Y
(b) i. ☒ Y
ii. ☐ Y
(c) i. ☒ Y
ii. ☐ Y

8. Putting It All Together

- (a) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
(b) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
(c) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
(d) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
(e) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☐ C ☐ D
ii. ☐ A ☐ B ☐ C
iii. ☐ A ☐ B ☐ C
iv. ☐ A ☐ B ☐ C ☐ D
v. ☐ A ☐ B ☐ C
vi. ☐ A ☐ B ☐ C
vii. ☐ Y ☐ N
viii. ☐ Y ☐ N
(b) i. ☐ A ☐ B ☐ C
ii. ☐ A ☐ B ☐ C
iii. ☐ A ☐ B ☐ C
iv. ☐ A ☐ B ☐ C

1. True/False

- (a) T (f) (i) T (f) (b) T (f) (j) T (f) (c) T (f) (k) T (f) (d) T (f) (l) F (e) T (f) (m) T (f) (f) T (f) (n) T (f) (g) T (f) (h) T (f) (o) T (f)

2. Short Questions

(a) Fragmentation

i. A B C
ii. A B C
iii. A B C

(b) DHCP

i. A B C D E
ii. A B C D E
iii. A B C D E
iv. A B C D E

(c) IPv4 vs IPv6

A B C D

(d) Routing

i. A B C D E
ii. A B C D E
iii. A B C D E
iv. A B C D E
v. A B C D E
vi. A B C D E
vii. A B C D E
viii. A B C D E
ix. A B C D E

(e) Layers

A B C

3. LPM

4. Discovery

(a) 6 7 9 10 11
(b) N
(c) Y
(d) N

(a) A B C D E F
(b) A B C D E F
(c) G H I J K L
(d) A B C D E F
(e) N
(f) Y

5. Distance Vector

(a) Computing Shortest

Paths

i. A B C D E F
ii. A B C D E F

(b) Full Updates

i. A B C D E F
ii. A B C D E F

(c) Partial Updates

i. A B C D E F
ii. A B C D E F
iii. A B C D E F
iv. A B C D E F
v. A B C D E F
vi. A B C D E F

6. ACKing

(a) A B C D E F
(b) A B C D E F G

7. When Things Go Awry

8. Putting It All Together

(a) i. A B C R1 R2
ii. A B C R1 R2
(b) i. A B C R1 R2
ii. A B C R1 R2
(c) i. A B C R1 R2
ii. A B C R1 R2
iii. A B C R1 R2
iv. A B C R1 R2
(d) i. A B C R1 R2
ii. A B C R1 R2
iii. A B C R1 R2
iv. A B C R1 R2
(e) i. A B C R1 R2
ii. A B C R1 R2
iii. A B C R1 R2
iv. A B C R1 R2

9. ARP and Learning

(a) i. A B C D
ii. A B C
iii. B C
iv. B C D
v. A B C
vi. A B C
vii. N
viii. N
(b) i. A B C
ii. A B C
iii. A B C
iv. A B C



1. True/False

#11

- (a) ☒ F (i) ☒ T
 (b) ☒ T (j) ☒ F
 (c) ☒ T (k) ☒ F
 (d) ☒ F (l) ☒ F
 (e) ☒ T (m) ☒ T
 (f) ☒ T (n) ☒ F
 (g) ☒ F (o) ☒ F
 (h) ☒ F

2. Short Questions

(a) Fragmentation

- i. ☒ A ☒ B ☒ C
 ii. ☒ A ☒ B ☒ C
 iii. ☒ A ☒ B ☒ C

(b) DHCP

- i. ☒ A ☒ B ☒ C ☒ D ☒ E
 ii. ☒ A ☒ B ☒ D ☒ E
 iii. ☒ A ☒ C ☒ D ☒ E
 iv. ☒ A ☒ B ☒ D ☒ E

(c) IPv4 vs IPv6

- ☒ A ☒ B ☒ D

(d) Routing

- i. ☒ A ☒ C ☒ D ☒ E
 ii. ☒ A ☒ B ☒ D ☒ E
 iii. ☒ A ☒ C ☒ E
 iv. ☒ A ☒ C ☒ E
 v. ☒ A ☒ B ☒ D ☒ E
 vi. ☒ A ☒ B ☒ D ☒ E
 vii. ☒ A ☒ C ☒ E
 viii. ☒ A ☒ B ☒ D ☒ E
 ix. ☒ A ☒ B ☒ C ☒ E

(e) Layers

- ☒ A ☒ B ☒ C

3. LPM

(FAKE)

- (a) ☒ 6 ☒ 8 ☒ 9 ☒ 10 ☒ 11
 (b) ☒ Y
 (c) ☒ N
 (d) ☒ Y

4. Discovery

- (a) ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F
☒ G ☒ H ☒ I ☒ J ☒ K ☒ L
 (b) ☒ A ☒ C ☒ D ☒ F
☒ G ☒ H ☒ I ☒ J ☒ K ☒ L
 (c) ☒ A ☒ B ☒ D ☒ E ☒ F
☒ G ☒ H ☒ I ☒ J ☒ K ☒ L
 (d) ☒ A ☒ B ☒ C ☒ D ☒ F
☒ G ☒ H ☒ I ☒ J ☒ K ☒ L
 (e) ☒ Y
 (f) ☒ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ B ☒ D ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ E ☒ F ☒ -

(b) Full Updates

- i. ☒ A ☒ B ☒ C ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ C ☒ D ☒ F ☒ -

(c) Partial Updates

- i. ☒ A ☒ C ☒ D ☒ E ☒ F ☒ -
 ii. ☒ A ☒ B ☒ C ☒ E ☒ F ☒ -
 iii. ☒ A ☒ B ☒ C ☒ D ☒ E ☒ F ☒ -
 iv. ☒ A ☒ B ☒ C ☒ D ☒ F ☒ -
 v. ☒ A ☒ B ☒ D ☒ E ☒ F ☒ -
 vi. ☒ A ☒ B ☒ C ☒ D ☒ F ☒ -

6. ACKing

- (a) ☒ A ☒ C ☒ E ☒ F ☒ G
 (b) ☒ A ☒ B ☒ C ☒ F ☒ G

7. When Things Go Awry

- (a) i. ☒ N
 ii. ☒ N
 (b) i. ☒ Y
 ii. ☒ N
 (c) i. ☒ Y
 ii. ☒ Y

8. Putting It All Together

- (a) i. ☒ A ☒ C ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ R1 ☒ R2
 (b) i. ☒ A ☒ B ☒ C ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R1
 (c) i. ☒ A ☒ B ☒ C ☒ R2
 ii. ☒ A ☒ C ☒ R1 ☒ R2
 iii. ☒ A ☒ B ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ R1 ☒ R2
 (d) i. ☒ A ☒ B ☒ C ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R2
 iii. ☒ A ☒ B ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ R1 ☒ R2
 (e) i. ☒ A ☒ B ☒ R1 ☒ R2
 ii. ☒ A ☒ B ☒ C ☒ R2
 iii. ☒ A ☒ C ☒ R1 ☒ R2
 iv. ☒ A ☒ B ☒ R1 ☒ R2

9. ARP and Learning

- (a) i. ☒ A ☒ C ☒ D
 ii. ☒ B ☒ C
 iii. ☒ A ☒ B
 iv. ☒ A ☒ C ☒ D
 v. ☒ A ☒ B
 vi. ☒ A ☒ B
 vii. ☒ N
 viii. ☒ Y
 (b) i. ☒ A ☒ C
 ii. ☒ A ☒ B
 iii. ☒ A ☒ B ☒ C
 iv. ☒ A ☒ B ☒ C





1. True/False

- (a) ☐ T ☐ F (i) ☐ T ☐ F
 (b) ☐ T ☐ F (j) ☐ T ☐ F
 (c) ☐ T ☐ F (k) ☐ T ☐ F
 (d) ☐ T ☐ F (l) ☐ T ☐ F
 (e) ☐ T ☐ F (m) ☐ T ☐ F
 (f) ☐ T ☐ F (n) ☐ T ☐ F
 (g) ☐ T ☐ F (o) ☐ T ☐ F
 (h) ☐ T ☐ F

2. Short Questions

(a) Fragmentation

- i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C

(b) DHCP

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E

(c) IPv4 vs IPv6

☐ A ☐ B ☐ C ☐ D

(d) Routing

- i. ☐ A ☐ B ☐ C ☐ D ☐ E
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E
 v. ☐ A ☐ B ☐ C ☐ D ☐ E
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E
 vii. ☐ A ☐ B ☐ C ☐ D ☐ E
 viii. ☐ A ☐ B ☐ C ☐ D ☐ E
 ix. ☐ A ☐ B ☐ C ☐ D ☐ E

(e) Layers

☐ A ☐ B ☐ C

3. LPM

- (a) ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11
 (b) ☐ Y ☐ N
 (c) ☐ Y ☐ N
 (d) ☐ Y ☐ N

4. Discovery

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (c) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (d) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
☐ G ☐ H ☐ I ☐ J ☐ K ☐ L
 (e) ☐ Y ☐ N
 (f) ☐ Y ☐ N

5. Distance Vector

(a) Computing Shortest Paths

- i. ☒ A ☐ B ☐ C ☐ D ☐ E ☒ F ☐ -
 ii. ☐ A ☐ B ☒ C ☒ D ☐ E ☐ F ☐ -

(b) Full Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

(c) Partial Updates

- i. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 ii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iii. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 iv. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 v. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -
 vi. ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ -

6. ACKing

- (a) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G
 (b) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

7. When Things Go Awry

- (a) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (b) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N
 (c) i. ☐ Y ☐ N
 ii. ☐ Y ☐ N

8. Putting It All Together

- (a) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (b) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (c) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (d) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 (e) i. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 ii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iii. ☐ A ☐ B ☐ C ☐ R1 ☐ R2
 iv. ☐ A ☐ B ☐ C ☐ R1 ☐ R2

9. ARP and Learning

- (a) i. ☐ A ☐ B ☐ C ☐ D
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C ☐ D
 v. ☐ A ☐ B ☐ C
 vi. ☐ A ☐ B ☐ C
 vii. ☐ Y ☐ N
 viii. ☐ Y ☐ N
 (b) i. ☐ A ☐ B ☐ C
 ii. ☐ A ☐ B ☐ C
 iii. ☐ A ☐ B ☐ C
 iv. ☐ A ☐ B ☐ C



1. True/False

- (a) T F (i) T F (b) T F (j) T F (c) T F (k) T F (d) T F (l) T F (e) T F (m) T F (f) T F (n) T F (g) T F (h) T F (o) T F

2. Short Questions

(a) Fragmentation

i. A B C

ii. A B C

iii. A B C

(b) DHCP

i. A B C D E

ii. A B C D E

iii. A B C D E

iv. A B C D E

(c) IPv4 vs IPv6

A B C D

(d) Routing

i. A B C D E

ii. A B C D E

iii. A B C D E

iv. A B C D E

v. A B C D E

vi. A B C D E

vii. A B C D E

viii. A B C D E

ix. A B C D E

(e) Layers

A B C

3. LPM

(a) 6 7 8 9 10 11

(b) Y N

(c) Y N

(d) Y N

4. Discovery

(a) A B C D E F

G H I J K L

(b) A B C D E F

G H I J K L

(c) A B C D E F

G H I J K L

(d) A B C D E F

G H I J K L

(e) Y N

(f) Y N

5. Distance Vector

(a) Computing Shortest

Paths

i. B C D E

ii. A B C D E F

(b) Full Updates

i. A B C D E F

ii. A B C D E F

(c) Partial Updates

i. A B C D E F

ii. A B C D E F

iii. A B C D E F

iv. A B C D E F

v. A B C D E F

vi. A B C D E F

6. ACKing

(a) A B C D E F G

(b) A B C D E F G

7. When Things Go

Awry

(a) i. Y N

ii. Y N

(b) i. Y N

ii. Y N

(c) i. Y N

ii. Y N

8. Putting It All

Together

(a) i. A B C R1 R2

ii. A B C R1 R2

(b) i. A B C R1 R2

ii. A B C R1 R2

(c) i. A B C R1 R2

ii. A B C R1 R2

iii. A B C R1 R2

(d) i. A B C R1 R2

ii. A B C R1 R2

iii. A B C R1 R2

iv. A B C R1 R2

(e) i. A B C R1 R2

ii. A B C R1 R2

iii. A B C R1 R2

iv. A B C R1 R2

9. ARP and Learning

(a) i. A B C D

ii. A B C

iii. A B C

iv. A B C D

v. A B C

vi. A B C

vii. Y N

viii. Y N

(b) i. A B C

ii. A B C

iii. A B C

iv. A B C