Math 104 S06 Final Exam Answers

answers

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

E E D D F C D E D D E F A A F B C

18

converges by comparison with $\sum\_{n=1}^{\infty}{4\over 2^{n}}$

19

$\sum\_{n=0}^{\infty} (n+1)x^{n+3}$ with radius of convergence $R=1$

20

converges by comparison with $\sum\_{n=1}^{\infty}{1\over n^{3/2}}$,

which converges by $p$-series test with $p=3/2$.

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makeup answers

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

F E D B F A D E D D E F F A E B C

18

converges by comparison with $\sum\_{n=1}^{\infty}{6\over 3^{n}}$

19

$\sum\_{n=0}^{\infty} (n+1)x^{n+4}$ with radius of convergence $R=1$

20

converges by comparison with $\sum\_{n=1}^{\infty}{1\over n^{5/2}}$,

which converges by $p$-series test with $p=5/2$.