

quiz 3 submission form

The respondent's email address (**dmitryvengertsev@u.boisestate.edu**) was recorded on submission of this form.

Your name *

Dmitry Vengertsev

problem 1

disk.

1.1. seek time: (5 points)

100

1.2. rotation time: (5 points)

95

1.3. transfer time: (5 points)

20

problem 2

direct pointer and indirect pointer.

2.1. maximum file size: (5 points)

$(12 + 1024) * 2\text{KB} = 2072\text{KB}$

2.2. maximum file size: (10 points)

$(12 + 1024 + 1024 * 1024) * 2\text{KB} = 2099224\text{KB}$

problem 3

Which operation has taken place in between states.

3.1 (10 points)

Directories:

'/', 'f', 'h',

Files:

's'

3.2 (10 points)

create('f/o')

3.3 (10 points)

create('c')

problem 4

Draw the file system state.

4.1 (10 points)

inode bitmap 11100000

inodes [d a:0 r:3] [d a:1 r:2] [f a:-1 r:1] ☐ ☐ ☐ ☐ ☐

data bitmap 11000000

data [(.,0) (.,0) (x,1) (c,2)] [(.,1) (.,0)] ☐ ☐ ☐ ☐ ☐ ☐

4.2 (10 points)

inode bitmap 11110000

inodes [d a:0 r:3] [d a:1 r:2] [f a:-1 r:1] [f a:-1 r:1] ☐ ☐ ☐ ☐

data bitmap 11000000

data [(.,0) (.,0) (x,1) (c,2)] [(.,1) (.,0) (y,3)] ☐ ☐ ☐ ☐ ☐ ☐

problem 5

Based on the following different corruption states, please detail what exact inconsistency do you see.

5.1 (10 points)

Dead block at 6th(data bitmap has bit for it, but data block is missing)

Orphan data block at 7th (data bitmap says it is not there)

5.2 (10 points)

orphan inode at 13th inode element (not seen in inode map)

Dead block at 6th(data bitmap has bit for it, but data block is missing)

Orphan data block at 7th (data bitmap says it is not there)

This form was created inside of Boise State University - Apps for Employees.

Google Forms