IFAS CSIR NET

DATA INTERPRETATION

Q.1 Clock A ⟶ 4 mins /hr ↓ (−)

Clock B ⟶ Correct time

Clock C ⟶ 3 mins /hr ↑ (+)

Monday ⟶ 8 PM

Wed ⟶ 2 PM (clock C)

What time will clock A show?

Q.2 On what dates of March, 2005 did Friday fall?

1st March, 2005 ~ Tuesday

4th March, 2005 → Friday

2001
2002
2003
2004 ✓

Jan — 3
Feb — 0
March — 1

2004

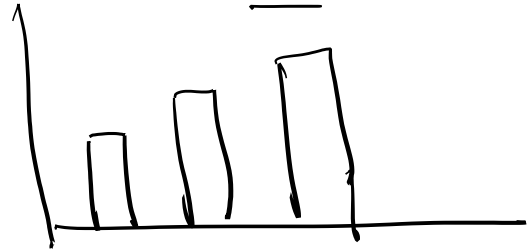
2000 + 4

Odd days 0 + 2 + 3 = 5 + 3 + 1

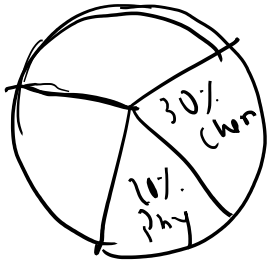
= 9 ≈ 2 odd days

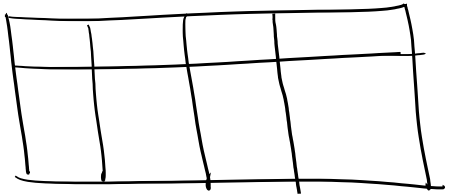
Ans 4, 11, 18, 25

DATA INTERPRETATION

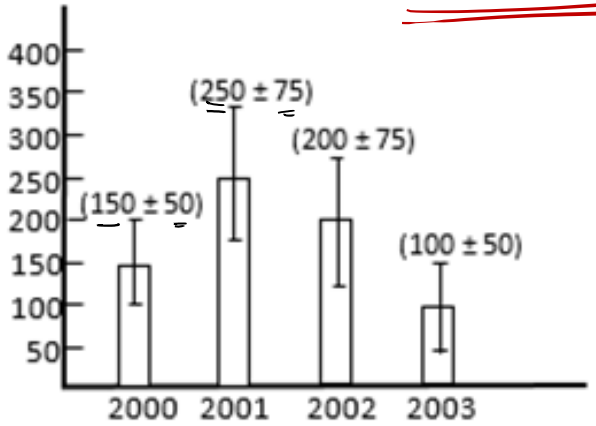


* percentage
* Average





Average yield of a product in different years is shown in the histogram. If the vertical bars indicate variability during the year, then during which year was the percent variability over the average of the year least?



$\frac{50}{150} \times 100\%$

$\frac{75}{250} \times 100\%$

$\frac{75}{200} \times 100\%$

$\frac{50}{100} \times 100\%$

(1) 2000
(2) 2001
(3) 2002
(4) 2003

2003

$\frac{50}{150} = \frac{1}{3}$

2001

$\frac{75}{250}$ ✓

$\frac{1}{2}$ ✗

$\frac{75}{200}$ ✗

2002

$\frac{11}{12}$ $\frac{7}{8}$

WW is bigger??

88 84

2003

$\frac{1}{3}$ $\frac{75}{250}$

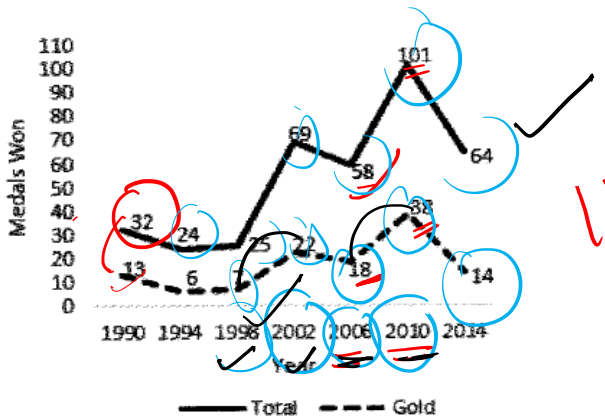
250 225

70 + 5

7 5) mental math

210 + 15

Based on the graph, which of the following statements is NOT true?



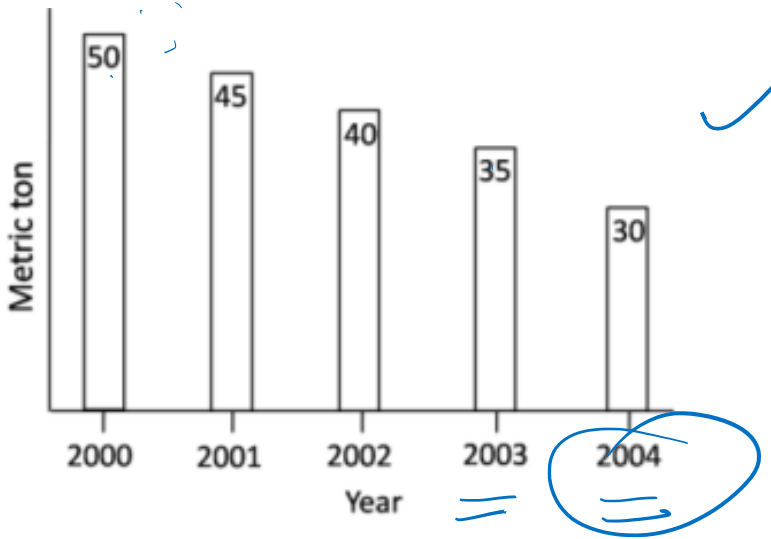
(1) Number of gold medals increased whenever total number of medals increased

(2) Percentage increase in gold medals in 2010 over 2006 is more than the corresponding increase in total medals

(3) Every time non-gold medals together account for more than 50% of the total medals

(4) Percentage increase in gold medals in 2010 over 2006 is more than the corresponding increase in 2002 over 1998

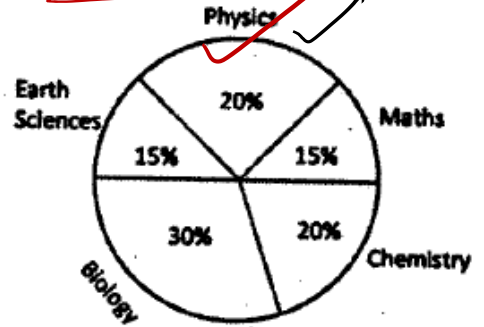
Wheat production of a country over a number of years is shown. Which year recorded highest percent reduction in production over the previous year?

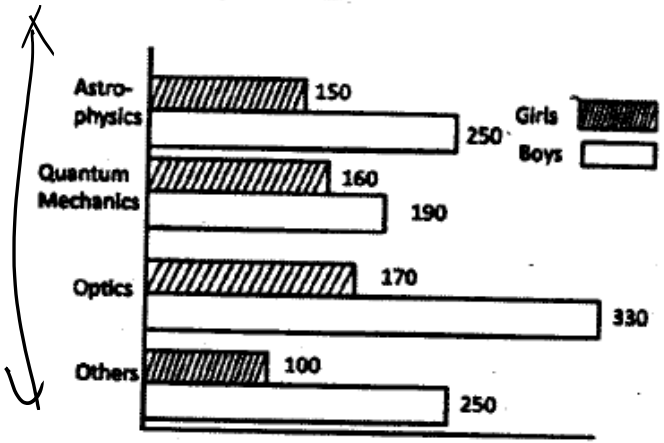


(1) 2001
(2) 2002
(3) 2003
(4) 2004

Percentage-wise distribution of all science students in a university is given in the pie-diagram. The bar chart shows the distribution of physics students in different sub-areas, where a student takes one and only one sub-area.

What percentage of the total science students is girls studying quantum mechanics?





(1) 10 (2) 1 (3) 0.2 (4) 2

Online —

Offline —

40 tests
= 40 × 10
= 400

150 + 250 + 160 + 190 + 170 + 330 + 100 + 250

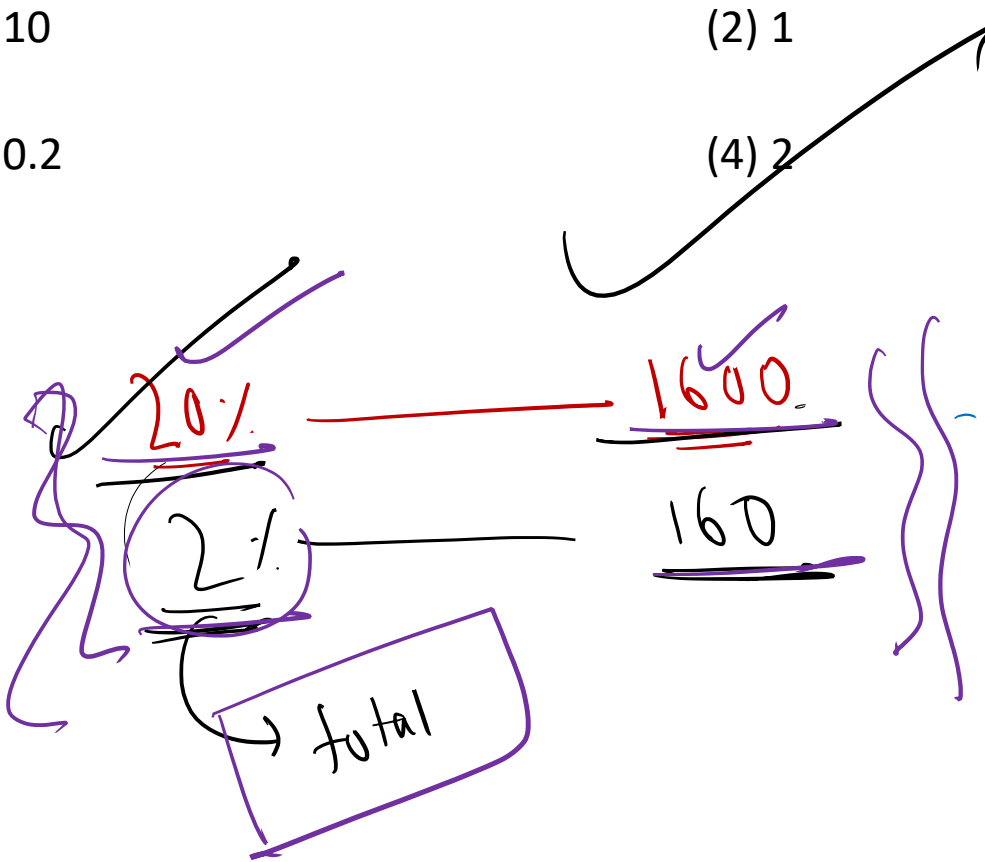
= 1200 + 400 = 1600

(1) 10

(2) 1

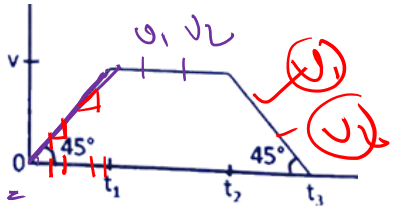
(3) 0.2

(4) 2

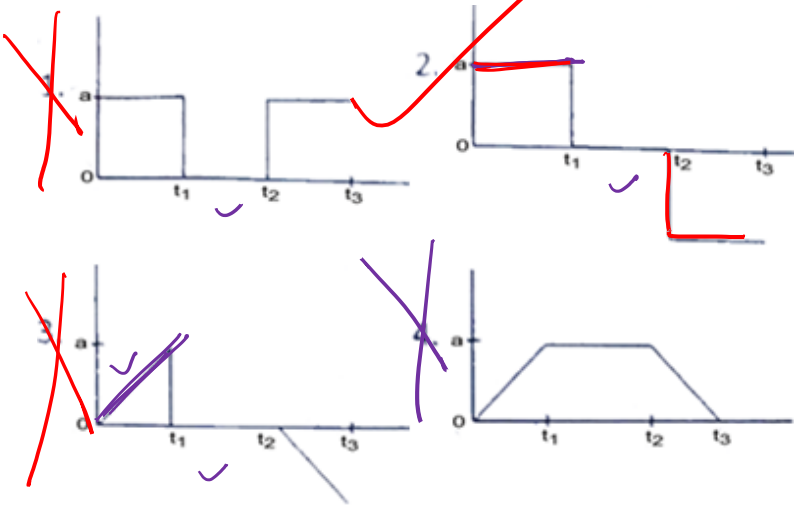


$\frac{160}{8000} \times 100\% = 2\%$

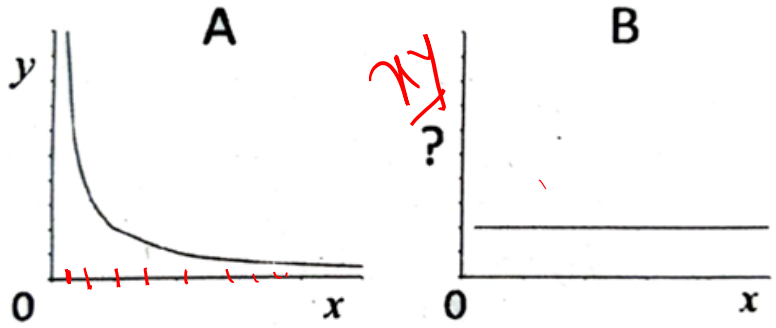
Velocity time curve of a body is given in the diagram below:



The diagram showing the acceleration of this body as a function of time is:

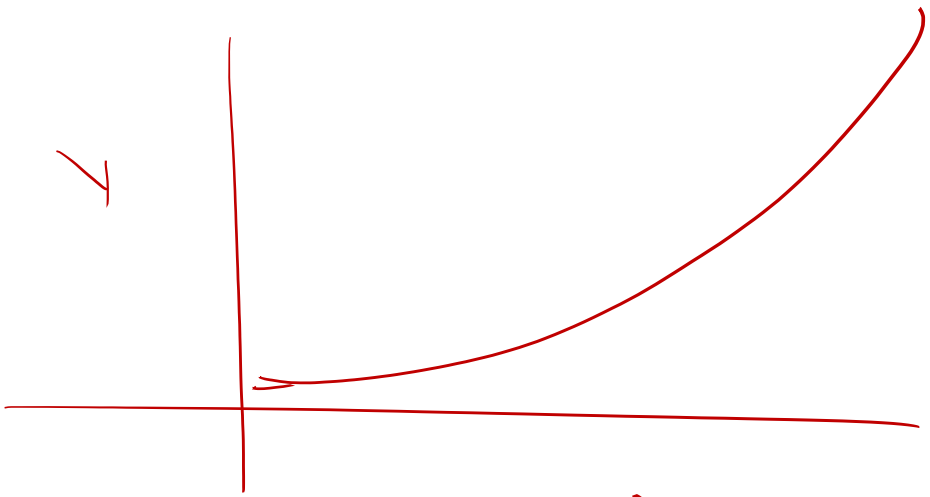


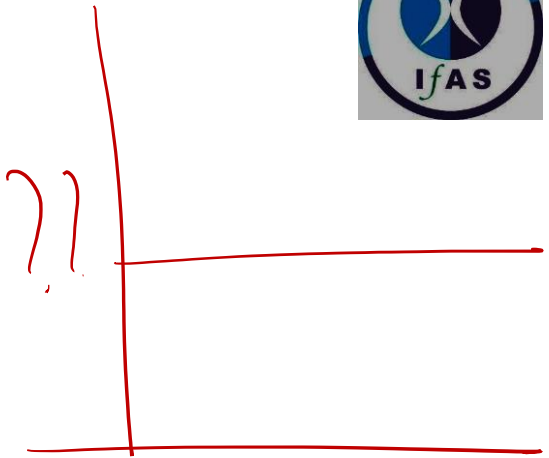
Graphs A and B define the same relationship between y and x, y> 0.



The variable on the ordinate of graph B is:

(1) 1/x
(2) X^2
(3) x/y
(4) xy





$x \propto y$

$\Rightarrow \frac{x}{y} = k$, $\frac{y}{x} = \frac{1}{k}$

The distribution of grades secured by students in a class is given in the table below. What is the least possible population of the class?

(1) 2
(2) 4
(3) 8
(4) 10

Grade	Fraction of the population
A	0.1
B	0.4
C	0.3
D	0.2

HAPPY LEARNING

THANKS