# cracku

## Data Interpretation questions for NMAT

## Instructions

Answer the questions based on the following information: Given below are the data points of the India economy from 2005-2010:

| Indicator | Unit | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|---|---|
| GDP, Current Price | Rs. Billions | 35662.2 | 41159.73 | 47675.86 | 54470.27 | 60712.76 | 73555.34 |
| GDP per capita, current prices | Rs. | 32128.1 | 36553.93 | 41747.69 | 47038.23 | 51714.45 | 61784 |
| Gross national savings Percent of GDP | % | 32.88 | 34.28 | 36.65 | 32.17 | 35.08 | 32.14 |
| Inflation, average consumer prices index | Index | 115.67 | 122.92 | 130.75 | 141.67 | 157.08 | 175.92 |
| Volume of imports of goods and services | % change | 17.99 | 9.438 | 16.3 | 10.84 | 8.321 | 16.49 |
| Volume of exports of goods and services | % change | 18.88 | 13.83 | 17.13 | 10.63 | 0.813 | 21.86 |
| Unemployment Rate | % | 9.2 | 8.9 | 7.8 | 7.2 | 6.8 | 7.32 |
| Current account balance percent of GDP | % | -1.272 | -1.024 | -0.701 | -2.475 | -2.066 | -3.268 |

**\*Per capita GDP is arrived by dividing GDP by population.**

## Question 1

What was the approximate number of unemployed persons in 2006?

A   100 million

B   102 million

C   98 million

D   104 million

E   105 million

**Answer:** A

**Explanation:**
Per capita means per person. Hence, population = 41559.73 bn/ 36553.93 = 1.126 bn

Number of unemployed people = Population * 8.9/100 = 1.126*8.9/100 = 100.2 million.
Approx 100 million.

**Question 2**

**Read the statements given below:**

1. **Exports were more than imports in 2006**
2. **Imports were more than exports in 2009**
3. **Export increased at faster rate than imports during period 2005 to 2010 Which of the statements is necessarily true?**

A  1 and 2

B  1, 2 and 3

C  3 only

D  2 only

E  1 only

   Answer: C

**Explanation:**

Since only percentage change is given, nothing can be said about the absolute values. From 2005 to 2010, exports increase by 115% while imports increase by 110%. Therefore, only 3 is correct.

**Question 3**

**What is the ratio of the current account balance in 2010 to current account balance in 2005?**

A  0.35

B  4.56

C  5.01

D  2.57

E  5.30

   Answer: E

**Explanation:**

Current account balance in 2010 = -3.268/100*73555 = -2403.7 billions. Current account balance in 2005 = -1.272/100*35662 = -453.62 billions. Ratio = 2403.7/453.62 = 5.30

# Take NMAT Mocks here (Adaptive pattern)

**Instructions**

Study the following information carefully and answer the questions given below:
The table below gives the steel production in India by the top 4 steel producers along with the total production figures.

| Steel Plants | Production (MMT) | Total Capacity (MMT) | Sales (MMT) | Revenues (in Rs Mn) | Costs (in Rs Mn) |
|---|---|---|---|---|---|
| Ispat International | 15 | 22 | 12 | 33600 | 25900 |
| Mittal Steel | 23 | 25 | 21 | 54600 | 39900 |
| Chennai Steel | 6 | 7 | 6 | 20400 | 17300 |
| Tata Steel | 41 | 60 | 37 | 111000 | 88800 |
| Total (including others) | 90 | 120 | 80 | 224000 | 175000 |

**Question 4**

**Tata Steel anticipates a 30% increase in the overall demand (sales) for steel. If all of the increased demand is met by the tata steel producers in India, by how much should Tata Steel increase its production capacity to meet the surplus demand?**

**A** 0

**B** 5

**C** 16

**D** 24

   **Answer:** B

**Explanation:**

If the demand rises by 30%, the increase in MMT = 30%*80=24 MMT. Tata Steel has excess capacity of 19 MMT. Hence, it would need to expand capacity by 5 MMT.

**Question 5**

**The ability of the marketing department of a steel company is judged in terms of their ability to sell all of the steel produced. Which of the following has the best marketing department?**

**A** Ispat International

**B** Mittal Steel

**C** Chennai Steel

**D** Tata Steel

   **Answer:** C

**Explanation:**

Chennai Steel sells all the steel produced by them and hence has the best sales/production ratio. Hence, option C.

**Question 6**

**If there is a sudden surge in the demand for steel such that all the produced steel is sold, which of the following producers would make the most profit in rupee terms?**

**A** Ispat International

**B** Mittal Steel

**C** Chennai Steel

**D** Tata Steel

   **Answer:** D

**Explanation:**

Clearly, Tata Steel produces much more than the other three and would always make more profit in rupee terms than the other three. Hence, option D.

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**Question 7**

**Which of the following producers has the highest unutilized production capacity in percentage terms?**

**A** Ispat International

**B** Mittal Steel

**C** Chennai Steel

**D**  Tata Steel

   **Answer:** A

**Explanation:**
Comparing the four, we can see that Mittal and Chennai Steel have much higher utilization rate than the other two.
The unutilized capacity for Ispat and Tata is 7/22 and 19/60.
Comparing the two fractions we get  7/22>19/60
Hence, Ispat has the highest unutilized capacity.

## Question 8

**Amit is in the market to buy one tonne of the cheapest steel. Which producers should he buy from?**

**A**  Ispat International

**B**  Mittal Steel

**C**  Tata Steel

**D**  None of the above

   **Answer:** D

**Explanation:**
The price per tonne for steel for each of the four is the least for Mittal Steel at 2600/tonne. To calculate the average price/tonne for Others we calculate their revenue and divide by the number of tonnes sold. Hence, revenue of Others = 22400 - sum of top 4 = 4400. Hence price/tonne=4400/4=1100. Hence, Other producers will provide the cheapest steel.

**Instructions**

The number of students playing football and cricket in class 8 of ABC school is 48 and 65 respectively. The total number of students playing football and cricket in ABC school is 126 and 135 respectively. The number of students in class 8 is 95 and total number of students in ABC school is 220. Assume that each student plays at least one sport.

## Question 9

**Find the number of students not studying in class 8 and playing exactly one sport of cricket and football?**

**A**  92

**B**  102

**C**  112

**D**  120

   **Answer:** B

**Explanation:**
Total number of students in the school playing both football and cricket is 126+135-220 =41
So, total number of students playing exactly one sport is 220-41=179
Total number of students in class 8 playing both football and cricket is 48+65-95 = 18
So, total number of students in class 8 playing exactly one sport is 95-18=77
So, number of students not from class 8 playing exactly one sport is 179-77=102

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## Question 10

**Find the total number of students playing only cricket**

**A**  47

**B** 85

**C** 55

**D** 94

    **Answer:** D

**Explanation:**
Total number of students in the school playing both football and cricket is 126+135-220 =41
So, total number of students in the school playing only cricket is 135-41=94