

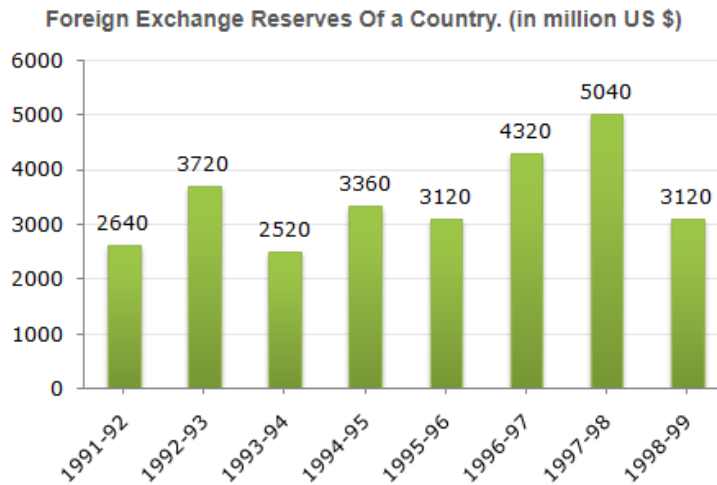
# UGC NET Paper 1 2011 dec

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## Previous Years Solved Questions - UGC NET Paper 1 for July 2018

### DI (Hindi/Eng)-30 with ans

The bar graph given below shows the foreign exchange reserves of a country (in million US \$) from 1991 - 1992 to 1998 - 1999.



The ratio of the number of years, in which the foreign exchange reserves are above the average reserves, to those in which the reserves are below the average reserves is? उन वर्षों की संख्या का अनुपात, जिनमें विदेशी मुद्रा भंडार औसत भंडार से ऊपर है, उन वर्षों में जिनमें भंडार औसत भंडार से कम है?

- A. 2:6
- B. 3:4
- C. 3:5
- D. 4:4

**Answer:** Option C

**Explanation:**

Average foreign exchange reserves over the given period = 3480 million US \$.

The country had reserves above 3480 million US \$ during the years 1992-93, 1996-97 and 1997-98, i.e., for 3 years and below 3480 million US \$ during the years 1991-92, 1993-94, 1994-95, 1995-56 and 1998-99 i.e., for 5 years.

Hence, required ratio = 3 : 5.

The foreign exchange reserves in 1997-98 was how many times that in 1994-95? 1997-98 में विदेशी मुद्रा भंडार 1994-95 में कितने गुना था?

- A. 0.7
- B. 1.2
- C. 1.4
- D. 1.5

**Answer:** Option D

**Explanation:**

$$\text{Required ratio} = \frac{5040}{3360} = 1.5.$$

For which year, the percent increase of foreign exchange reserves over the previous year, is the highest? पिछले वर्ष की तुलना में किस वर्ष विदेशी मुद्रा भंडार में प्रतिशत वृद्धि सबसे अधिक है?

- A. 1992-93
- B. 1993-94
- C. 1994-95
- D. 1996-97

**Answer:** Option A

**Explanation:**

There is an increase in foreign exchange reserves during the years 1992 - 1993, 1994 - 1995, 1996 - 1997, 1997 - 1998 as compared to previous year (as shown by bar-graph).

The percentage increase in reserves during these years compared to previous year are:

$$\text{For 1992 - 1993} = \left[ \frac{(3720 - 2640)}{2640} \times 100 \right] \% = 40.91\%.$$
$$\text{For 1994 - 1995} = \left[ \frac{(3360 - 2520)}{2520} \times 100 \right] \% = 33.33\%.$$

$$\text{For } 1996 - 1997 = \left[ \frac{(4320 - 3120)}{3120} \times 100 \right] \% = 38.46\%.$$

$$\text{For } 1997 - 1998 = \left[ \frac{(5040 - 4320)}{4320} \times 100 \right] \% = 16.67\%.$$

The foreign exchange reserves in 1996-97 were approximately what percent of the average foreign exchange reserves over the period under review? 1996-97 में विदेशी मुद्रा भंडार समीक्षाधीन अवधि में औसत विदेशी मुद्रा भंडार का लगभग कितना प्रतिशत था?

- A. 95%
- B. 110%
- C. 115%
- D. 125%

**Answer:** Option D

**Explanation:**

Average foreign exchange reserves over the given period

$$= \left[ \frac{1}{8} \times (2640 + 3720 + 2520 + 3360 + 3120 + 4320 + 5040 + 3120) \right] \text{ million US \$}$$

$$= 3480 \text{ million US \$}.$$

Foreign exchange reserves in 1996 - 1997 = 4320 million US \$.

$$\therefore \text{ Required percentage} = \left( \frac{4320}{3480} \times 100 \right) \% = 124.14\% \approx 125\%.$$

What was the percentage increase in the foreign exchange reserves in 1997-98 over 1993-94? १९९७-९८ में १९९३-९४ की तुलना में १९९७-९८ में विदेशी मुद्रा भंडार में प्रतिशत वृद्धि कितनी थी?

- A. 100
- B. 150
- C. 200
- D. 620

**Answer:** Option A

**Explanation:**

Foreign exchange reserves in 1997 - 1998 = 5040 million US \$.

Foreign exchange reserves in 1993 - 1994 = 2520 million US \$.

$$\therefore \text{Increase} = (5040 - 2520) = 2520 \text{ US \$}.$$

$$\therefore \text{Percentage Increase} = \left( \frac{2520}{2520} \times 100 \right) \% = 100\%.$$