

1	2	3	4
21	Punjab	1764759	1061316
22	Rajasthan	8955966	3880647
23	Sikkim	81366	31237
24	Tamil Nadu	6148411	3730210
25	Tripura	463521	219846
26	Uttar Pradesh	25168813	7414932
27	Uttarakhand	1108276	646782
28	West Bengal	8315923	3910035
29	A and N Islands	35192	22647
30	Chandigarh	84863	48515
31	Dadra and Nagar Haveli	38050	13531
32	Daman and Diu	21137	11768
33	Delhi	1685513	968177
34	Lakshadweep	7046	3752
35	Puducherry	111688	70886
TOTAL :		134566314	55463959

Research work in Science and Maths

1044. SHRI TARUN VIJAY: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) the enrolment in Science and Maths at graduate level and post-graduate level of the total enrolment in all streams;
- (b) how many of them are opting for research works in pure Science and Maths;
- (c) how much growth has been seen in the Eleventh Five Year Plan after the recommendations of National Knowledge Commission (NKC) on attracting talent and the Committee to Advise on Renovation and Rejuvenation of Higher Education in November, 2008;

(d) where we are positioned in the world at this level as compare to other developed countries like U.S., U.K., Japan and other developing countries like China; and

(e) how fast are we approaching them in percentage terms?

THE MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (SHRIMATI D. PURANDESWARI): (a) University Grants Commission (UGC) has reported that out of the total actual enrolment of 1,28,38,154 students in higher education in the year 2007-08; for which information has been validated, students opting for science courses has been 20,71,283 which is 16.13% of the total. The percentage of students for graduate courses in sciences out of the total graduate level enrolment was 15.7%, while percentage of students studying sciences at post-graduate level was 18.4% of such enrolment in the same year.

(b) UGC has reported that 10781 Ph.D. degrees were awarded in 2008-09, out of which 3317 (approximately 31%) were awarded in the sciences stream. The total number of Ph.D.s in pure sciences and mathematics subjects was 1563 which is approximately 14.5% of the total Ph.D.s awarded.

(c) UGC has reported that the enrolment in higher education has risen from 1,28,38,154 in the year 2007-08 to 1,46,24,990 in the year 2009-10 (provisional figures). The enrolment shows an increase of approximately 14% over two years. There is no noteworthy change in the proportion of students applying for science and mathematics courses in this period.

(d) and (e) Based on the data obtained from the websites of UNESCO Institute for Statistics (UIS), 2007 (<http://stats.uis.unesco.org/unesco/ReportFolders/ReportFolders.aspx>) and Thomson Scientific Data (<http://science.thomsonreuters.com/m/pdfs/grr-India-oct09ag0908174.pdf>), a comparison has been made with the countries mentioned in the question and the information is given in the Statement (See below). This data also shows that India's contribution to world share of scientific productions had increased marginally from 2.1% in 1999 to 2.3% in 2004. Contribution of India in the research investments made in the world has grown from 1.66% to 2.2% between 2002 to 2007. The number of publications from India has nearly doubled

from 15,000 papers in the year 2000 to approximately 30000 papers per year in 2007. India ranks 12th amongst the top 20 countries in terms of publications on Sciences and Technology, contributing 2.41% of the total output. The share has grown from 1.84% in 1996 to 2.41% in 2006.

Statement

Comparison of enrolment in Science and Maths with other countries

Sl.No.	Country	Gross Enrolment Ratio (GER) in higher education	Share of world researchers by the country in % age	Researchers per million inhabitants	Percentage of GDP spent on research and development	Percentage share in world publications
1	U.S.A	82	20.30	4707	2.67	21.79
2	U.K.	59	2.50	2888	1.84	9.1
3	Japan	58	10	5548	3.45	6.22
4	China	22	20.10	1071	1.49	10.49
5	India	12.74	2.20	136	0.80	2.41

Funds under Saakshar Bharat Scheme

†1045. SHRI PARVEZ HASHMI: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) the funds allocated to Uttar Pradesh under Saakshar Bharat Scheme;
- (b) the funds made available for the said project; and
- (c) the details thereof, district-wise?

THE MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (SHRIMATI D. PURANDESWARI): (a) and (b) A Central assistance of Rs.451.25 Crore has been allocated to Uttar Pradesh under Saakshar Bharat Scheme for implementation of the Scheme in the 26 identified districts of the State till 31-3-2012. An amount of Rs.64.88 Crore has already been released to the State Literacy Mission Authority, Uttar Pradesh.

†Original notice of the question was received in Hindi.