

BULLETIN ON JOB OPPORTUNITIES IN INDIA

1998



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF LABOUR
DIRECTORATE GENERAL OF EMPLOYMENT & TRAINING
SURVEY & STUDY DIVISION
2A/3, ASAF ALI ROAD, NEW DELHI

JANUARY, 2001

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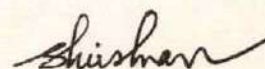
The Directorate General of Employment & Training has been conducting, from time to time, Studies/Surveys on job profiles in India. The present issue of "Bulletin on Job Opportunities in India" is another step towards a better and reliable database on the job opportunities available in India during 1998.

In this publication an attempt has been made to compile and analyse the data relating to job opportunities that were available to the job seekers holding post-graduate, graduate, degree or diploma in the disciplines of engineering, technology, agriculture, medicine, natural sciences, social sciences, teaching and other miscellaneous subjects according to the pay ranges. As the job-opportunities in the private sector are only partially captured, the compilation does not reflect the total picture of available employment. However the collected information gives useful insights on employment opportunities in various sectors and sub sectors of the economy.

I, hope this publication would be of great help to job-seekers, Vocational Guidance Officers, Employment Officers, Counsellors and other engaged in this field. Concrete suggestions for improving the data base and quality of the publication are welcome.

I also place on record my appreciation of the work done by Sh. R.K. Mathur, Dy. Director and the officers & staff of Survey Division under the overall guidance of Sh. P.K. Ray, Director (LMI) in preparing and presenting this publication.

Dated: 30th April 2001



S. KRISHNAN
DIRECTOR GENERAL OF EMPLOYMENT & TRAINING/
JOINT SECRETARY
MINISTRY OF LABOUR

BULLETIN ON JOB-OPPORTUNITIES IN INDIA

(D.G.E.&T.)

PROGRAMME TEAM

- | | | |
|-----------|--------------------------------|--|
| 1. | Shri P.K.Ray | Director (LMI) |
| 2. | Shri R.K. Mathur | Dy. Director of Employment Exchanges |
| 3. | Shri A. S. Khan | Asstt. Director of Employment Exchanges |
| 4. | Shri Kesho Ram | Research Officer |
| 5. | Miss Sheila Ahuja | Senior Investigator |
| 6. | Shri B. Lakra | Junior Investigator |
| 7. | Shri Rati Ram Singh | Junior Investigator |
| 8. | Shri Vijay Pal | Junior Computer |
| 9. | Shri Sandeep Kumar Garg | Jr. Computer |

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INTRODUCTION

1. The present issue is the thirty second (XXXII) in the series of "Bulletin on Job-opportunities in India" brought out by the Directorate General of Employment & Training (DGE&T) in the Ministry of Labour. The study contains information about Job-opportunities that were available during 1998 for the job-seekers holding post-graduate, graduate degree or diploma in the disciplines of engineering, technology, agriculture, medicine, natural sciences, social sciences, teaching and other miscellaneous subjects.
2. All possible efforts were made to collect the information about Job-opportunities during 1998, advertised by the employers both in the Public and Private Sectors by main recruiting agencies, such as Union Public Service Commission, State Public Service Commissions, Railway Recruitment Boards, Banking Service Recruitment Boards and Staff Selection Commission as well as those notified to Employment Exchanges, including Central Employment Exchange, New Delhi. However, the vacancies, which might have occurred but were not notified to either of the above agencies, could not be taken into account in this study. It is also a fact that coverage of vacancies in the Private Sector in most of the states is small.
3. The information presented in this study has been analysed according to various disciplines of studies and sectors of employment, namely Central Government, State Government, Quasi Government, Local Bodies and Private Sector. Vacancies have also been analysed according to three (Pre revised) pay ranges viz., per-mensem pay upto Rs. 1500, Rs. 1501-2500 and Rs. 2501 & above as by this time recommendations of 5th Pay Commission could not be implemented. The vacancies which could not be filled by UPSC & State Public Service Commissions for want of suitable candidates have been presented in Chapter-IX & X.
4. It is hoped that the information contained in this Bulletin will prove useful for students, Vocational Guidance Officers, Counsellors, Career Masters, Universities/Research Institutions, work-seekers and others interested in the various aspects of careers.
5. **Total shown in the write up as well as in different tables may not tally due to rounding.**
6. **The out turn indicated in various paras of the report relates to 125 Universities out of 224 Universities/Institutions. No attempt has been made to estimate out turn for the non responding Universities.**

HIGHLIGHTS

Trend in Job opportunities

1. In all 33020 vacancies notified in 1998 to the Union Public Service Commission, State Public Service Commissions, Railway Recruitment Boards, Banking Service Recruitment Boards and Employment Exchanges including Central Employment Exchange were studied for the purpose of this report.

Job-opportunities by Sectors:

2. The analysis of vacancies notified during 1998 according to various sectors of employment shows that 28% of the vacancies were notified by the Central Government. Quasi Governments notified 27% vacancies. Break-up of vacancies in other sectors was State Government 26%, Private establishments 15% and Local Bodies 4%.

Job-opportunities by Faculties:

3. The distribution of vacancies notified during 1998 by faculties shows that the maximum 29% of the total vacancies were notified for miscellaneous vacancies for graduates followed by 28%, for Social Scientists and teachers, 22% for engineers, 9% for medical personnel, 8% for Natural Scientists, about 3% for Agricultural & allied Scientists and 1% for technologists.

Job-opportunities by Pay-Ranges:

4. About 41% of the vacancies during 1998 were notified in the middle pay-range of Rs. 1500-2500 per month, followed by 40% in the lowest pay-range upto Rs. 1500 per month, 19% of the job offered in the pay-range Rs. 2501 and above.

Job-opportunities by Experience:

5. Nearly 41% of the vacancies were open to freshers having no previous work experience during 1998.

Job-opportunities by States/U.Ts:

6. Among States/UTs, Maximum share of the vacancies notified during 1998 was 18% by Maharashtra, followed by Delhi 16%, Uttar Pradesh 11%, Gujarat 7%, Andhra Pradesh and Karnataka 6% each, Madhya Pradesh 5%, Tamil Nadu 4%, West Bengal 3% and 2% each for Kerala, Haryana, Chandigarh and State-wise break-up not available category. Others States/U.T shared rest of the vacancies.

CHAPTER-I

JOB-OPPORTUNITIES FOR ENGINEERS

1.1 Nearly 22% of the total Job-opportunities offered during 1998 were meant for engineering personnel. In all, 7188 vacancies for engineers were notified in 1998 as against 7228 during 1997, recording an decrease of 0.6%.

Out of these 7188 vacancies, 4952 were meant for persons holding diploma-level qualification and 2236 for degree holders in either of the engineering disciplines.

Classification of Vacancies:

1.2 Engineering vacancies notified during 1998 have been classified under 34 heads. It may, however, be pointed out that such of the vacancy notifications, where the employing establishments failed to mention specific qualification required, and left them in non-classifiable category, have been shown and classified under the head "Engineers- Unspecified". Vacancies meant for combination of two or more allied subjects have been suitably grouped as 'Architecture-Civil, Electrical-Mechanical' & Mechanical-Metallurgical' etc.

Job-opportunities by Branches of Engineering:

1.3 The study of the vacancies notified during 1998 according to various branches of engineering indicates that out of 7188 vacancies, 19% were meant for those who had specialised Electronics And Electrical Microwave Communication (including Radio) branch, 17% for Mechanical Engineering 15% for Electrical, 14% for Civil, 6% for unspecified, 4% for Chemical, Electrical/Mechanical Engineering and 3% for Telecommunication/Line Communication (Telephone & Telegraph).

Engineering Vacancies by Sectors:

1.4 An analysis of Engineering vacancies notified during 1998 according to the sector of employing establishments has revealed that 43% of the total vacancies belonged to the Central Govt., 30% to the Quasi Govt., 18% to the State Govt., establishments 8% to the Private establishments, and the

remaining 1% to Local Bodies.

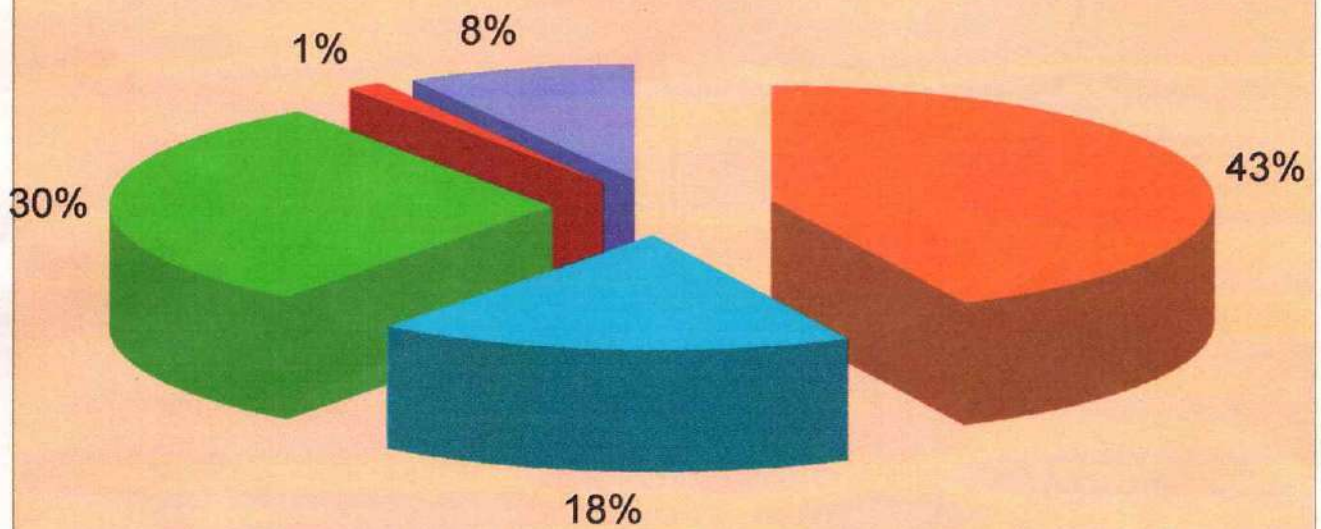
Engineering Job-offers by Pay-Ranges:

1.5 Analysis of the Job-offers made to engineers during 1998 according to pay-ranges reveals that majority of the vacancies (42%) were carrying Job-offers in the middle pay-range of Rs. 1501-2500 per month and 35% of the jobs offered in the lowest pay-range upto Rs. 1500 per month and the rest 23% in the highest pay-range of Rs. 2501 and above per month.

Job-opportunities for Fresh-Engineers:

1.6 It is interesting to note that out of all the vacancies meant for engineers during 1998, 28% vacancies were offered to freshers having no work-experience. Most of these freshers job-openings belonged to civil, electrical, Electronics & Electrical and Mechanical disciplines. The following table indicates the distribution of percentage of vacancies for engineering degree and diploma holders with or without work-experience.

SECTOR-WISE JOB OPPORTUNITIES FOR ENGINEERS DURING 1998



■ CENTRAL GOVT. ■ STATE GOVT. ■ QUASI GOVT.
■ LOCAL BODIES ■ PRIVATE

TABLE - 1

Distribution of vacancies for Engineers

Qualification levels	Work experience required	Number of vacancies notified During the year	
		1997	1998
(A) Degree	With experience	918 (12.7)	1732 (24.1)
	Without experience	651 (9.0)	504 (7.0)
	All	1569 (21.7)	2236 (31.1)
(B) Diploma	With experience	2178 (30.1)	3420 (47.6)
	Without experience	3481 (48.2)	1532 (21.3)
	All	5659 (78.3)	4952 (68.9)
Total no of vacancies		7228 (100.0)	7188 (100.0)

Note : Figures in brackets represent percentages.

State-wise Dispersion of Job-opportunities:

1.7 The study of the Job-opportunities made out of the vacancy notifications of 1998 meant for engineering personnel according to the location of the employing establishments, showed that 19% came from the State of Delhi, followed by 11% from Karnataka, Maharashtra and Uttar Pradesh each, 9% from West Bengal, 6% from Andhra Pradesh, 5% from Haryana and Kerala each, 4% from Madhya Pradesh, 3% from Bihar, 2% from Gujarat and 1% from Chandigarh, Jammu & Kashmir, Punjab, Rajasthan and Tamil Nadu.

Note : Statistical details relating to the year 1998 have been given in the Tables No. 1A, 1B & 1C.

CHAPTER- II

JOB-OPPORTUNITIES FOR TECHNOLOGISTS

2.1 During 1998, 317 vacancies for technologists were notified as against 257 in 1997, reflecting an increase of 23%.

Classification of Vacancies:

2.2 The vacancies notified for various technological areas have been classified under 26-heads. The last head of vacancies includes such of the vacancies, where the employing establishments either prescribed certain combination of qualifications or no specific qualification.

Job-opportunities by Branches of Technology :

2.3 The study of the vacancies notified in 1998 according to various technology areas shows that 29% of the Job-opportunities offered to other technological subject (not classified by establishments) 21% for the Printing technology, followed by 15% for the Chemical, 13% for the Food, 6% for the Textile technology and 2% for the Textile Chemistry.

Technology-Vacancies by Sectors :

2.4 Analysis of the vacancies offered to the technologists during 1998 according to the sector of employing establishments has revealed that 38% of these Job-opportunities belonged to the Central Govt., 30% to State Government, followed by Quasi Govt., establishments 14% and the Private establishments with 18%.

Job-offers according to Pay-Range:

2.5 Analysis of the Job-offers made to technologists in 1998 according to pay-range shows that 35% vacancies belonged to the pay-range upto Rs. 1500 and between Rs. 1501-2500 per month each and 30% of the job-offered in the Basic salary in the pay-range Rs.2501 and above.

Job-opportunities for Fresh Technologists :

2.6 An analysis of the Job-offers made to technologists during 1998 according to the work-experience shows that 32% vacancies were offered to the freshers having no previous work-experience whereas 68% vacancies were offered to persons having some experience. Such freshers job-openings were available to the Printing & Food technology graduates. The following table gives the distribution of vacancies for degree holders technologists with or without work experience.

TABLE - 2

Distribution of vacancies for Technologists

Qualification levels	Work experience required	Number of vacancies notified during the year	
		1997	1998
Degree	With experience	196 (76.3)	214 (67.5)
	Without experience	61 (23.7)	103 (32.5)
Total no. of vacancies		257 (100.0)	317 (100.0)

Note : Figures in brackets represent percentages.

Statewise Dispersion of Job-opportunities:

2.7 The study of the Job-opportunities offered during 1998 through vacancy notifications meant for technologists by location of the employing establishments reveals that 27% of the jobs came from Delhi, followed by 16% from Maharashtra, 15% from State-wise break-up not available, 11% from Haryana, 6% from Kerala, 5% from Uttar Pradesh, 4% from Lakshadweep and Punjab each. Remaining states shared the residual portion of Job-opportunities for the technologist.

Note : Statistical details relating to the year 1998 have been given in the Table Nos. 2A, 2B & 2C.

CHAPTER- III

JOB-OPPORTUNITIES FOR AGRICULTURAL SCIENTISTS

3.1 During 1998 out of the total 33020 Job-opportunities, 1096 (3.3%) were notified for agricultural & allied scientists, as against 1815 in 1997.

Classification of vacancies :

3.2 The vacancies notified for agricultural scientists have been classified into 30 broad categories. The thirtieth category, namely "other agricultural subjects" takes care of all such vacancy notifications where the employing establishments did not mention their specific qualification requirements.

Job-opportunities by Branches of Agricultural Sciences:

3.3 The study of the vacancies notified in 1998 according to branches of agricultural & allied sciences reveals that out of a total of 1096, 14% job-opportunities were shared by agricultural specialists in agriculture extension and Horticulture followed by 13% in Veterinary & Animal Husbandry and 7% in Social Science, 5% in Agricultural Botany and rest 4% opportunities were shared by other agricultural branches without bias to specific branch specialization indicated by employing establishments.

Job-opportunities by Sectors of Employers :

3.4 Analysis of the vacancies notified during 1998 according to the sector of employing establishments indicates that a significant proportion (55%) of the total Job-opportunities were offered by the Quasi Governments, 27% by the State Government, 11% by the Central Government establishments, 5% by the Private Sector and Local Bodies shared only 2% of the residual Job-opportunities.

Job-offers according to Pay-Ranges:

3.5 The study of the Job-opportunities notified for agricultural & allied scientists according to pay-ranges reveals that 55% of the total vacancies notified during 1998 belonged to the Middle pay-range of Rs. 1501-2500 per month, 26% to the highest pay-range of Rs. 2501 per month and only 19% of the jobs in the lowest pay ranges of up to Rs. 1500 per month.

Job-openings for Freshers :

3.6 It is interesting to find that out of all the vacancies that were meant for the scientists in the fields of agriculture & allied disciplines in 1998, bulk (24.1%) job-openings were meant for those having no previous work-experience. Such Job-opportunities belonged to the branches of veterinary science & animal husbandry, agronomy, co-operation and Dairying. The distribution of the vacancies in the aforementioned work-experience is indicated in the following table:

TABLE- 3
Distribution of Vacancies for Agricultural Scientists

Qualification level	Work experience required	No. of vacancies offered during the year	
		1997	1998
Degree	With experience	763 (42.0)	832 (75.9)
	Without experience	1052 (58.0)	264 (24.1)
Total No. of Vacancies		1815 (100.0)	1096 (100.0)

Note : Figures in brackets represent percentages.

Statewise Dispersion of Job-opportunities :

3.7 Analysis of the Job-opportunities offered during 1998 through vacancy notifications meant for agricultural & allied scientists according to location of the employing establishments shows that 28% of the jobs belonged to the State of Karnataka, 21% to Uttar Pradesh, 12% to Maharashtra, 9% to Delhi, 6% to Kerala. The remaining States shared the rest of Job-opportunities.

NOTE : Statistical details relating to the year 1998 have been given in the Tables Nos. 3A, 3B & 3C.

CHAPTER - IV

JOB-OPPORTUNITIES FOR MEDICAL PERSONNEL

Medical Personnel :

4.1 Out of 33020 vacancies notified during 1998 only 2998 Job-opportunities pertained to the medical personnel as against 3611 in 1997.

Classification of Vacancies :

4.2 The vacancies notified for medical personnel have been classified into 38 categories. The last category namely, "Medical specialists & unspecified personnel" represents all such vacancies for which the employing establishments did not mention specific specialization & qualification requirements.

Job-opportunities by Branches of Medicine :

4.3 The study of the vacancies notified in 1998 according to branches of medical sciences reveals that out of total 2998 Job-opportunities meant for medical personnel, 27% belonged to the branch of Nursing, followed by 13% in Allopathic Medicine (MBBS), 9% in MD/Ph.D./M.S., Medical Specialists & Occupational Therapy, 5% in Pharmacy, and Clinical Pathology & Bacteriology, 4% in Anaesthesia, 3% in Pharmacology Medical and 2% in General Surgery.

Job-opportunities by Sectors of Employment:

4.4 Analysis of the vacancies notified in 1998 according to the sector of employing establishments shows that 39% Job-opportunities for medical personnel came from Central Government and 36% from State Government .

Out of the remaining Job-opportunities, establishments of Quasi Government offered 14%, Private Sector offered 7% and Local Bodies offered 4%.

Job-offers According to Pay-Ranges:

4.5 The study of the Job-offers made to the medical personnel according to pay-ranges reveals that 44% of the total vacancies notified during 1998 belonged to the lowest and highest pay-ranges say 44% in the Pay-range upto Rs. 1500 per month and 31% in the Middle pay range of Rs. 1501-2500 per month and only 25% of the jobs in the pay-range of Rs. 2501 and above per month.

Job-Openings for Freshers :

4.6 Analysis of the Job-offers made to fresh medical personnel shows that 40% vacancies were offered during 1998. Such job opportunities related to the areas of Nursing, Occupational Therapy, Clinical Pathology & Bacteriology, Allopathic Medicine, Pharmacology Medical, Pharmacy, Anaesthesia and Tubercular Diseases.

The distribution of vacancies with or without experience are indicated in the following Table:

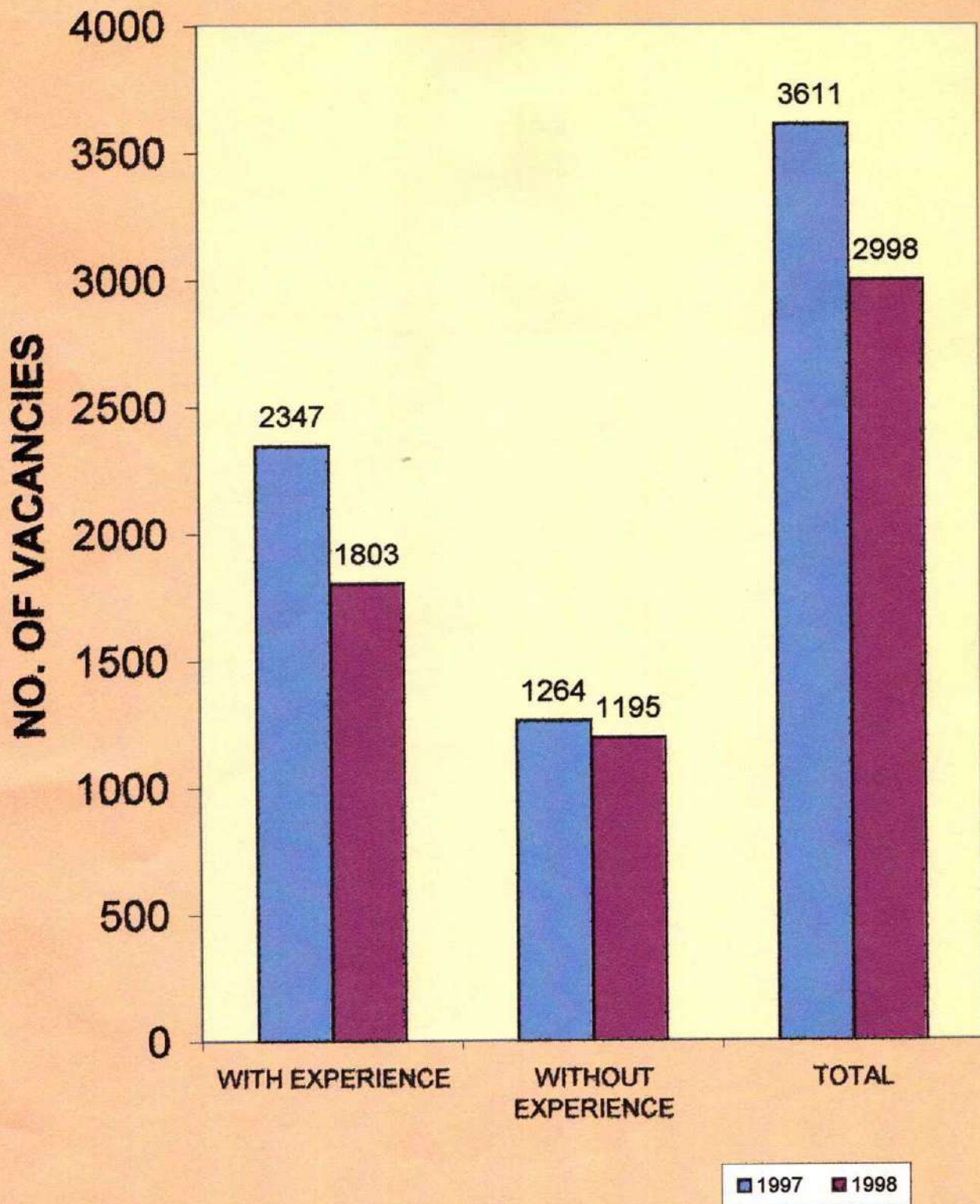
TABLE - 4

Distribution of vacancies for Medical Personnel

Qualification level	Required Work experience	No. of Vacancies offered during the year	
		1997	1998
Degree	With experience	2347 (65.0)	1803 (60.1)
	Without experience	1264 (35.0)	1195 (39.9)
Total No. of vacancies		3611 (100.0)	2998 (100.0)

Note : Figures in brackets represent percentages.

JOB OPPORTUNITIES FOR MEDICAL PERSONNEL





Statewise Dispersion of Job-opportunities:

4.7 Analysis of the Job-opportunities offered through vacancy notifications of 1998 to medical personnel according to the location of the employing establishments reveals that (36%) of the Job-opportunities came from Delhi, followed by 19% from Maharashtra, 11% from Uttar Pradesh 5% from Chandigarh and Pondicherry 4% from Andaman & Nicobar. Remaining States shared the residual portion of Job-opportunities.

NOTE : Statistical details relating to the year 1998 has been given in the Tables Nos. 4A, 4B & 4C.

CHAPTER- V

JOB-OPPORTUNITIES FOR NATURAL SCIENTISTS:

5.1 A total of 2807 Job-opportunities for Natural Scientists were notified during 1998, as compared to 2101 in 1997.

Classification of Vacancies:

5.2 The vacancies notified for Natural Scientists have been presented under 24 heads. The last head "Combination of Natural Scientists" includes such vacancies in whose cases the employing establishments have not precisely mentioned the required qualifications.

Job-opportunities by Branches of Natural Sciences :

5.3 The study of the vacancies notified according to branches of natural sciences in 1998 reveals that out of a total of 2807 Job-opportunities, 724 (26%) in combination of Natural Sciences, followed by 18% in Chemistry, 12% in Physics, 9% in combination of Physics, Chemistry & mathematics, 6% in Biology, 5% in Botany, 4% in Zoology and 3% in Chemistry-Bio and Chemistry Industrial each. It is observed that persons possessing qualifications in Chemistry, Physics and combination of Physics, Chemistry & Mathematics enjoyed more Job-opportunities.

Job-opportunities by Sectors of Employers:

5.4 Analysis of the vacancies according to the sector of employing establishments shows that 36% of the jobs were contributed by the State Government, 30% Quasi Government, 24% Central Government, followed by 9% in Private Sector and 1% in the Local Bodies during 1998.

Job-offers According to Pay-Ranges:

5.5 The study of the Job-offers made to natural scientists according to pay-ranges in 1998 reveals that bulk (55%) of the total vacancies carried monthly salary between Rs. 1501-2500. Of the remaining, 25% offered salary in the lowest pay-range upto Rs. 1500 and 20% in the highest pay-range (Rs. 2501 & above per month).

Job-opportunities for Freshers :

5.6 It is encouraging for the fresh job seekers, to observe that 28.5% of the total Job-opportunities during 1998 meant for natural scientists were found as open to the fresh entrants into the world of work having no previous work experience. Such fresh job-openings were meant in the field of Chemistry, Physics, Nuclear Physics, Mathematical Physics and combination of Natural Sciences, Zoology, Industrial Chemistry, Bio-Chemistry and Geology.

TABLE -5**Distribution of vacancies for Natural Scientists**

Qualification level	Work experience required	No. of vacancies offered during the year	
		1997	1998
Degree	With experience	1461 (70.0)	2007 (71.5)
	Without experience	640 (30.0)	800 (28.5)
Total no. of vacancies		2101 (100.0)	2807 (100.0)

Note: Figures in brackets represent percentages.

Statewise Dispersion of Job-opportunities:

5.7 The Job-opportunities notified for the natural scientists in 1998 according to the location of the employing establishments, analysed by States, show that Delhi had a maximum share of 22%, followed by 21% from Uttar Pradesh, 15% from Maharashtra, 4% from Rajasthan, 3% from Karnataka, Kerala and Punjab each. Other States/U.Ts shared the residual Job-opportunities.

NOTE: Statistical details relating to the year 1998 have been given in the Table Nos. 5A, 5B & 5C.

CHAPTER- VI

JOB-OPPORTUNITIES FOR SOCIAL SCIENTISTS & TEACHERS:

6.1 Out of the total Job-opportunities identified during 1998 Social Scientists & Teachers enjoyed a share of 27.7%. In all 9138 Job-opportunities were meant for such categories of personnel during 1998 as against 6189 in 1997.

Classification of Vacancies:

6.2 The vacancies notified for social scientists & teachers have been classified into 30 heads. The last category of which includes all such vacancies, which were not classifiable under a specific category, as the vacancy notifications did not mention a single & precise qualification requirement for the post. Hence, the last head shows such combination of social sciences.

Job-opportunities by Branches of Social Sciences :

6.3 The study of Job-opportunities for the year 1998 according to the branches of social sciences shows that 37% of the vacancies were meant for branch of Education/Teaching; Economics 10%; Hindi 6%; English Languages, Law, Mathematics 19%; Accountancy, Accountancy Chartered, History and group of Statistics/ Economics/Mathematics 3% (each) in the stock of vacancies of 1998. However 2% of the vacancies were classified in the last head relating to "Combination of Social Sciences".

Job-opportunities by Sectors of Employers:

6.4 Analysis of the vacancies according to the sector of employing establishments shows that 34% of the total Job-opportunities in 1998 meant for social scientists and teachers came from State Government, 22% of these Job-opportunities were contributed by Central Government, 22% by Private establishments, 16% by Quasi Government and 7% by Local Bodies.

Job-offers According to Pay-Ranges:

6.5. The study of the Job-offers made to social scientists & teachers during 1998 according to pay-ranges reveals that 43% of the total vacancies were notified in the salaries between Rs.1501-2500 per month, 40% of the job offered in the lowest pay-range upto Rs. 1500 per month and the rest 17% in the highest par-range of Rs. 2501 and above per month.

Job-opportunities for Freshers :

6.6. The job-seekers desirous of entering into the world of work may be encouraged to find that the bulk of the Job-opportunities i.e. 48% were offered in 1998 to the freshers having no previous work experience requirement. Such job opening for freshers in 1998 arose in teaching areas as also in the disciplines like Education/Teaching, Economics, Statistics/Mathematics/Economics, Hindi, Language and Mathematics. In 1997, Job-offers for freshers also came up in Teaching, Accountancy, Hindi Literature, Mathematics, Social Science, Law and Chartered Accountancy. The distribution of the vacancies with or without experience are shown in the following Table :

TABLE - 6

Distribution of vacancies for Social Scientists and Teachers

Qualification level	Work experience required	No. of vacancies offered during the year	
		1997	1998
Degree	With experience	2942 (48.0)	4750 (52.0)
	Without experience	3247 (52.0)	4388 (48.0)
Total no. of vacancies		6189 (100.0)	9138 (100.0)

Note : Figures in brackets represent percentages

Statewise Dispersion of Job-opportunities:

6.7 The job-opportunities notified in 1998 for the social scientists and teachers according to the location of the employing establishments shows that 32% of the Job-opportunities were shared alone by Maharashtra State, followed by Delhi and Uttar Pradesh 12% each, Tamilnadu 8%, Andhra Pradesh 6%, Gujarat 5% and Other States & Union Territories shared residual Job-opportunities.

NOTE: Statistical details relating to the year 1998 have been given in the Tables Nos. 6A, 6B & 6C.

CHAPTER - VII

Job-opportunities for Graduates:

7.1 This chapter provides a review of the Job-opportunities that emerged out of the vacancy notifications meant for the Honours & Pass course Graduates in the residual disciplines (Arts, Science & Commerce), including Diploma holders not elsewhere covered in the preceding chapters. An attempt has, therefore, been made to give a complete account of all Job-opportunities through the coverage of even miscellaneous vacancies as could be identified from various sources mentioned in the Introductory part of this Bulletin. These miscellaneous areas, inter-alia, include the Job-opportunities in the disciplines such as commercial art, Journalism, library science, company secretaryship, banking, hotel management, catering & nutrition, physical education & Music etc. It is pertinent to mention here that the Graduates can improve their job-prospects after acquiring diplomas in either of the fields enumerated above.

Classification of Graduates :

7.2 The vacancies notified for Graduates have been classified under 25 heads. The last head present the vacancies which were not classifiable under a specific category as the vacancy notifications did not mention clearly the precise qualification required for the post. Hence, the last head includes all such combined nature of unspecified vacancies.

Job-opportunities by Branches :

7.3 The study of the Job-opportunities of 1998 according to the branches/disciplines reveals that the bulk of the vacancies (44%) pertained to office-work suitable for Graduates in Arts, Science or Commerce. This share is decreased by 19% when compared with jobs offered during 1997.

Job-opportunities by Sectors of Employers:

7.4 Analysis of the vacancies according to sectors of employing establishments indicates that nearly 35% of the total Job-opportunities for Graduates in 1998 were offered by Quasi Government establishment, followed by 25% in Central Government. The Private establishments contributed 21% towards the Job-opportunities for graduates. State Government establishments (17%) & Local Bodies (2%) shared rest of the vacancies.

Job-opportunities According to Pay-Ranges:

7.5 The study of the Job-offers made to Graduates in 1998 in the three pay-ranges reveals that 50% of the total vacancies carried a monthly salary less than Rs. 1500 and 35% Job-offers offered a monthly pay some-where between Rs. 1501-2500. Only 15% of the Job-offers carried an attractive salary above Rs. 2500 P.M.

Job-opportunities for Freshers:

7.6 It is heartening for the Graduates to note that 49% of the total Job-opportunities of 1998 meant for them did not require any previous work-experience and out of a total of 9476 Job-opportunities as many as 4638 were offered to fresh entrants. These opportunities belonged to the areas such as office work (suitable for pass graduates in Science, Arts & Commerce), Art Commercial, Industrial Management/Business Management & Administration, Physical Education, Music Vocal, Library Science and other Vacancies (unspecified).

TABLE - 7**Distribution of vacancies for Miscellaneous Graduates**

Qualification level	Work experience required	No. of vacancies offered during the year	
		1997	1998
Graduate	With experience	2286 (26.0)	4838 (51.1)
	Without experience	6535 (74.0)	4638 (48.9)
Total no. of vacancies		8821 (100.0)	9476 (100.0)

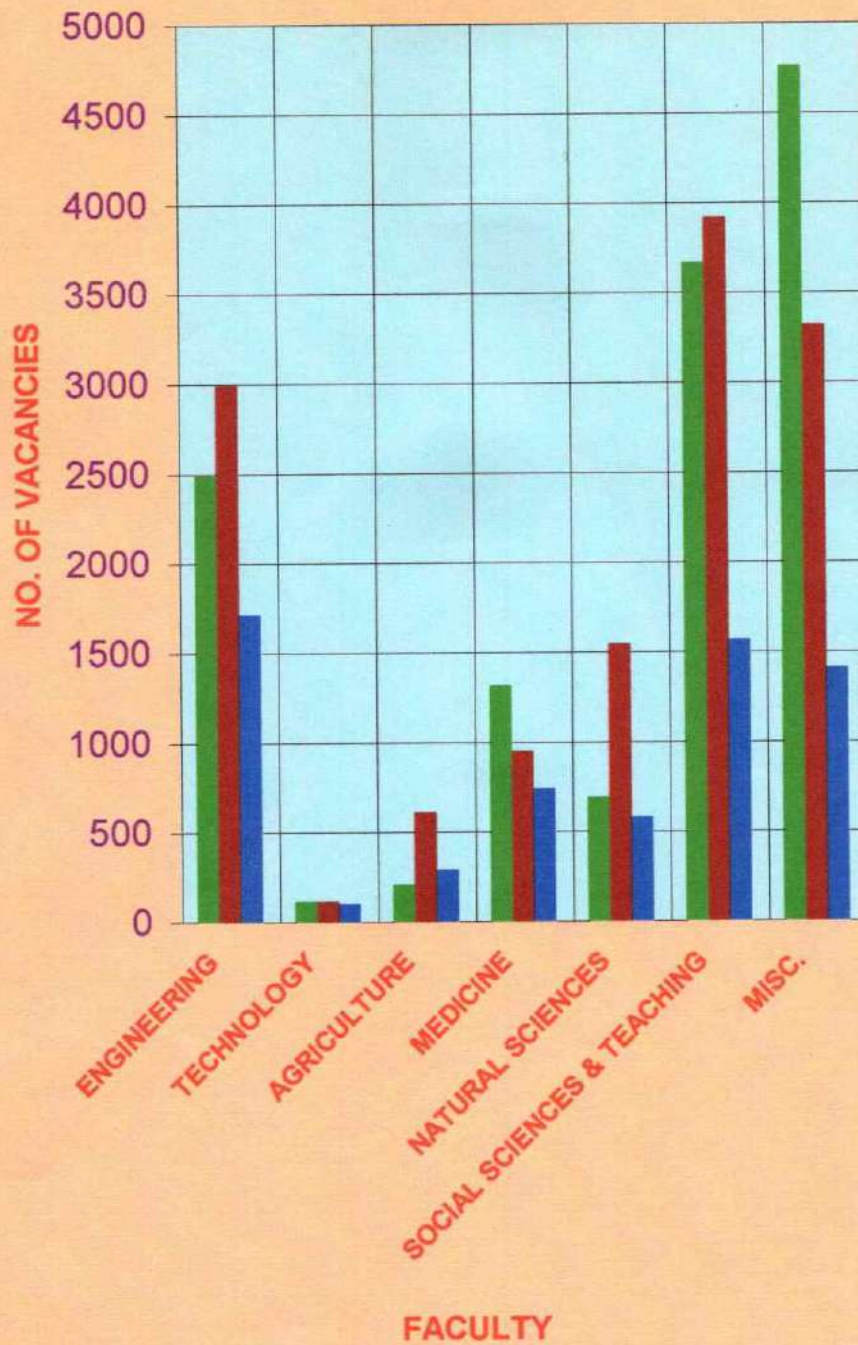
Note : Figures in brackets represent percentages.

Statewise Dispersion of Job-opportunities:

7.7 The Job-opportunities notified in 1998 by the employing establishments for Graduates and Diploma holders in miscellaneous categories according to the location indicate that job seekers in Gujarat enjoyed maximum 18% of the total Job-opportunities. Other employers who contributed belonged to the States of Madhya Pradesh and Maharashtra (11%) each, Andhra Pradesh and Delhi (9%) each. State wise break up not available category (7%), Uttar Pradesh (6%), Chandigarh (5%). The remaining States/UTs shared the rest of the Job-opportunities.

NOTE: Statistical details relating to the year 1998 have been given in the Table Nos. 7A, 7B & 7C.

JOB OPPORTUNITIES FOR GRADUATES



■ UPTO Rs. 1500 ■ BETWEEN Rs.1501-2500 ■ Rs.2501 & ABOVE

CHAPTER - VIII

SUMMARY AND CONCLUSION:

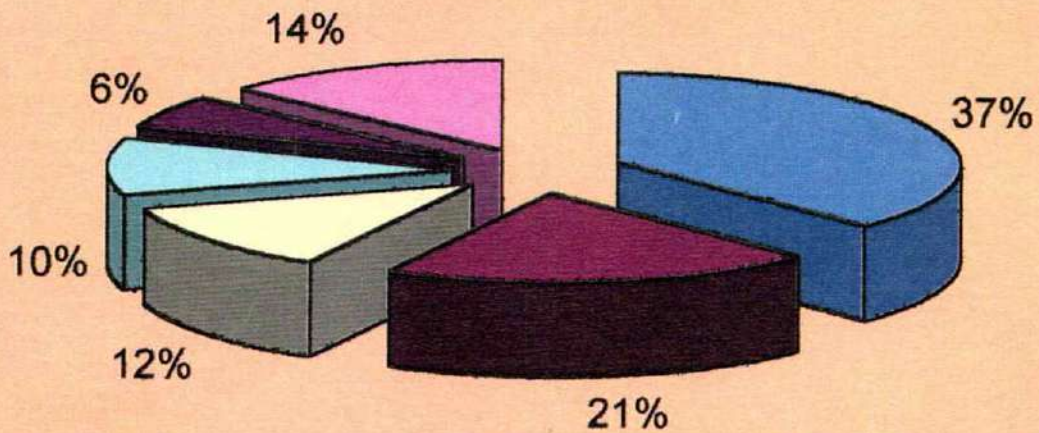
8.1 One of the major concerns of the job-seekers; Vocational Guidance Officers; Employment Officers and Man-power Planners in the present economic scenario is to find out areas/disciplines which has significant employment potential as also those areas/occupations in which shortages of manpower are being experienced by the employers so as to guide the youth coming out of the schools/Universities into productive channels of employment. In this direction, the chapters IX & X of this study presents shortage areas/occupations as reported to by various recruiting agencies such as Union Public Service Commission, State Public Service Commission, etc. It is felt that information contained in these chapters would be of immense use to the job-seekers and to all those connected with this field.

Analysis of Demand :

8.2 The present chapter presents a study of demand and supply of University Graduates in the context of current job opportunities notified in the country, besides, presenting principal findings of all faculties discussed in the previous chapters. The demand in terms of vacancies in the fields of engineering & technology, agricultural sciences, medical sciences, natural sciences, social sciences and miscellaneous groups alongwith total out-turn from the Universities & Institutions have also been analysed here in this chapter.

8.3 The study of demand side has been made on the basis of the number of vacancies (meant for graduate & above) notified to various recruiting agencies. This study has taken into account all such vacancies which were notified in 1998 to Union Public Service Commission, State Public Service Commissions, Railway Recruitment Boards, Banking Service Recruitment Boards, Agricultural Scientists Recruitment Boards and Employment Exchanges

JOB OPPORTUNITIES BY BRANCHES OF SOCIAL SCIENCES DURING 1998



■ EDUCATION/TEACHING

■ ENGLISH LANGUAGE, LAW, MATHEMATICS & COMBINATION OF SOCIAL SCIENCES

□ ACCOUNTANCY, ACCOUNTANCY CHARTERED, HISTORY & STATISTICS/MATHEMATICS/ECONOMICS

■ ECONOMICS

■ HINDI

■ OTHER SUBJECT

including Central Employment Exchange functioning under the Employment Exchanges (Compulsory Notifications of vacancies) Act, 1959. The coverage though very narrow certainly gives a broad picture on demand in the labour market

8.4 The information contained in this study relates to 33020 vacancies notified in 1998. A rising trend in vacancy notifications has been observed in the fields of natural sciences as compared to study in 1997.

8.5 In 1998, maximum 9476 vacancies were referred for Graduates in Miscellaneous categories, comprising 28% of the total vacancies. Other faculties with significant number of vacancies notified were Engineering (21%), Social Science & Teaching 9138 (27%) and Medical 2998 (9%).

8.6 Sector-wise break up of all the vacancies received in the year 1998 shows that the Central Governments reported 9458 (29%) vacancies, followed by Quasi Government 8832 (27%), State Government created 8468 (26%), Private Establishments 5111 (15%) and Local Bodies 1151 (3%).

8.7 Of the pay-ranges under which all the vacancies were made available in 1998 reveals that there were 13423 (41%) vacancies in the pay-range between Rs. 1501-2500 per month, 13222 (40%) vacancies in the group of pay upto Rs. 1500 per month. 6375 (19%) in the top pay-ranges of 2501 or more per month.

8.8 Analysis of the data shows that overwhelming majority of the jobs during 1998 were for those having previous work experience. Out of the total jobs, 19596 (59%) jobs required previous work experience during the year 1998.

8.9 Analysis of vacancies according to States/UTs shows that 6044 (18%) of them were located in Maharashtra during 1998. Some other States where bulk vacancies were located during 1998 were 16% in Delhi, 11% in

Uttar Pradesh, 7% in Gujarat, 6% in Karnataka, Andhra Pradesh each, 5% in Madhya Pradesh, 3% in Chandigarh, Haryana, Kerala, Rajasthan, Tamilnadu, West Bengal each and Statewise break up not available. The remaining States/U.Ts shared the rest of the Job-opportunities.

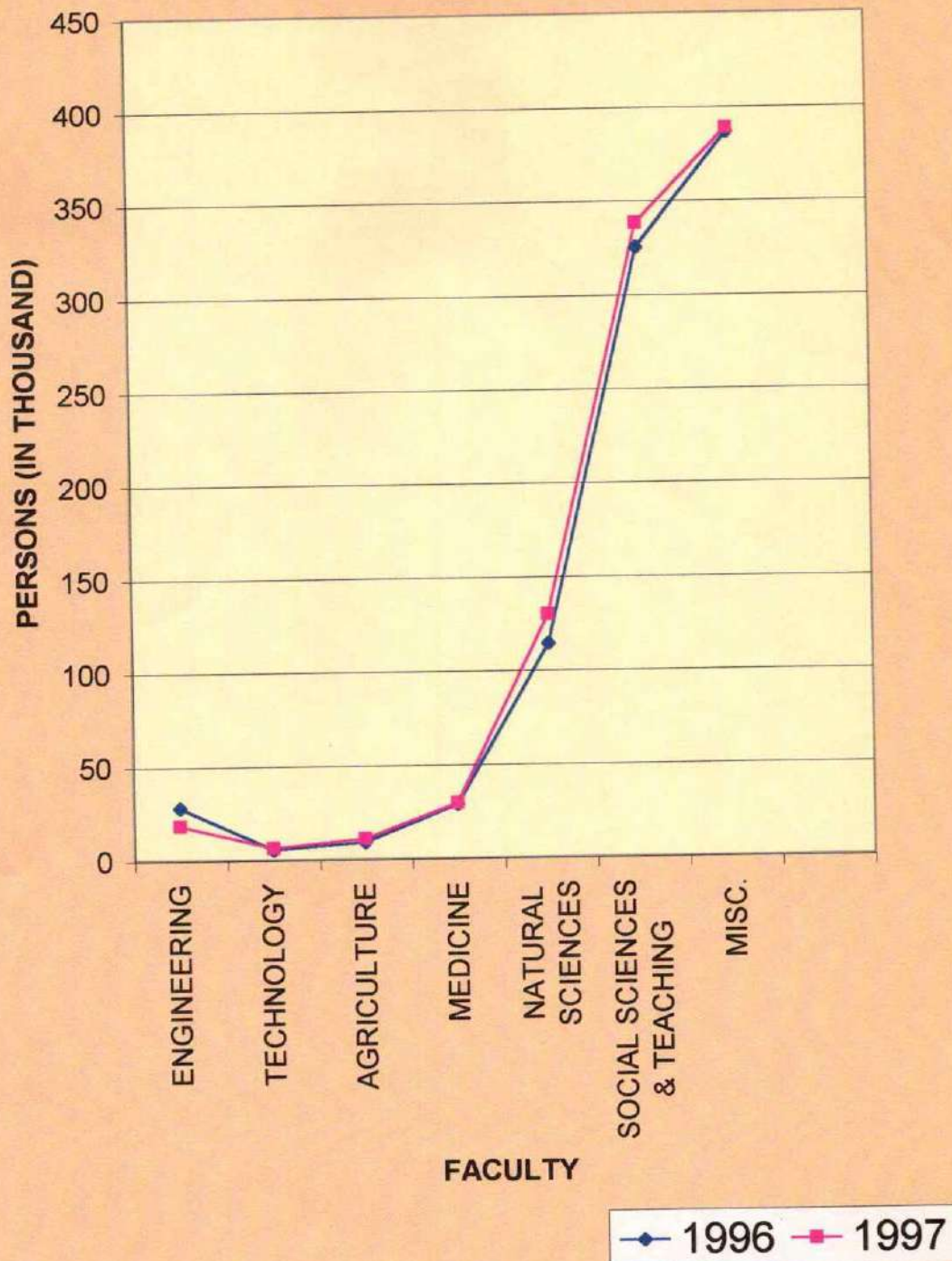
Analysis of Supply :

8.10 To get the information pertaining to the out-turn of Graduates and Post-Graduates (including Diploma or Post-graduate Diploma) during the year 1997, 224 Universities/Institutions (deemed to be Universities) were addressed. Information was received from 125 (56%) Universities/Institutions out of the total of 224. The number of persons passed out Degree/Post -Graduate degree (including Diploma or Post-graduate Diploma) from these 125 Universities were 9,20,999 in 1997 as against 8,96,744 in 1996. This shows an increase in the out-turn to the tune of about 2% percent over the previous year assuming that increase in the non-responding Universities/Institutions will be of same order.

8.11 Analysis shows that there was 21% of increase in Agriculture followed by 16% in Technology, 13% Natural Sciences, 3% in Social Sciences & Teaching, 1% in Medicine and 0.6% in Misc., Graduates. There was 34% decrease in Engineering.

8.12 During the last five years i.e. from 1991 to 1996, the demand in vacancies registered a mixed trend. The rate of out-turn from Universities did not keep pace with the demand in the economy. In fact compared to the out-turn the vacancies notified were practically insignificant.

FACULTY-WISE NO. OF PERSONS OBTAINED DEGREE & DIPLOMA



CHAPTER - IX

UNION PUBLIC SERVICE COMMISSION VACANCIES

9.1 The Union Public Service Commission, located in New Delhi, looks after the task of recruitment for the Government of India. Employing departments of the Central Government refer their requirements of personnel to the U.P.S.C. The posts are advertised in "Employment News" & other leading newspapers as deemed fit by commission. Selection against the posts is based on test and/ or interview.

9.2 During the year 1998-99, the commission held 9 examinations for recruitment to various Civil Services/posts besides conducting 4 examinations for the Defence Services. The number of applications for admission to various examinations held during the year under report was 8,53,995 as against 6,97,363 for the previous year. The number of candidates who appeared for examination were 3,98,912. 4500 candidates were interviewed for various Civil Services/posts during 1998-99 compared to 3768 during previous year. During 1998-99, 5042 candidates were recommended for appointment to Civil and Defence Service/posts.

9.3 As regards posts for which recruitment was made through interview, the commission received 551 requisitions for 1363 posts during the year under report besides 2613 posts were carried over from previous year making a total of 3976 posts for which requisitions were processed. The number of applications received during the year were 70,355, 5610 candidates were interviewed and 1191 were recommended for appointment to various posts.

9.4 The main groups in which the posts/vacancies were classified for recruitment by Commission were Medical, Engineering, Scientific & Technical

and Non-Technical. Amongst Non-Technical groups, majority of the posts were meant for Low and Social Sciences/Social Work. Within the Engineering category, Electrical, Mechanical and Architecture had a major share. Within the Medical group, vacancies for Medical General took lead and the field of Agriculture Economics took lead in Scientific & Technical group. Details of the examinations and nature of vacancies can be had from the "49th Annual Report" published & brought out by the Union Public Service Commission.

CHAPTER - X

VACANCIES WHICH COULD NOT BE FILLED BY UPSC, STATE PUBLIC SERVICE COMMISSIONS AND RAILWAY RECRUITMENT BOARDS.

10.1 During 1998-99 the Union Public Service Commission, could not find suitable candidates for 183 posts as a result of interview. Of these 183 posts, 19 posts were reserved for candidates belonging to Scheduled Castes, 48 for candidates belonging to the Scheduled Tribes and 65 for Other Backward Classes. The remaining 51 posts were unreserved. The main fields in which suitable candidates belonging to the Scheduled Castes and the Scheduled Tribes could not be found, related to the higher specialisations in Medicine, Science & Engineering. Lists of posts for which suitable candidates could not be found by the UPSC during the year 1998-99 is given in Table No. 9.

10.2 To get the information about advertised vacancies, which could not be filled during the year 1998, State Public Service Commissions, Staff Selection Commission, New Delhi and Railway Recruitment Boards were addressed. The information was received from 13 Commissions/Recruitment Boards namely State Public Service Commissions; Andhra Pradesh, Assam, Gujarat, Himachal Pradesh, Karnataka, Madhya Pradesh, Orissa, Punjab, Rajasthan, U.P. and Railway Recruitment Boards, Bihar (Muzzaffarpur), J & K (Jammu) and Kerala (Trivendrum) out of a total of 42 Commissions/Railway recruitment Boards.

10.3 The State Public Service Commissions, Staff Selection Commission and Railway Recruitment Boards were asked to give reasons for non filling up of posts. One of the main reasons was that sufficient numbers of candidates amongst Scheduled Castes/Tribes were not available as were not found suitable even by relaxed standards. The experienced persons in general categories for some posts could not be found.

10.4 Details of vacancies, designation of posts, qualification prescribed about the vacancies which could not be filled by the State Public Service Commissions and Railway Recruitment Boards during the year 1998 have been given in Tables 10.

TABLE-1A (1998)

Vacancies for Engineers under Various sectors by pay-ranges during 1998.

Sl. No.	Branches of Engineering	Basic pay upto Rs. 1500 p.m.				
		C.G.	S.G.	Q.G.	L.B.	Pvt.
1	2	3	4	5	6	7
1	Air-conditioning and Refrigeration.	1	-	-	-	2
2	Aeronautical	-	-	-	-	-
3	Agricultural	-	115	25	-	-
4	Aircraft Maintenance	-	-	-	-	-
5	Architecture	7	-	4	-	-
6	Architecture Civil	9	2	8	-	-
7	Automobile	4	2	1	1	6
8	Broadcasting & Television	-	-	-	-	-
9	Civil (including Municipal)	220	75	52	7	47
10	Chemical	4	7	25	-	104
11	Electrical	185	35	31	-	10
12	Electronics & Electrical microwave/Communication(including Radio)	161	37	114	-	8
13	Electrical/Mechanical	141	5	3	-	10
14	Forging & Heat Treatment	-	-	3	-	-
15	Highways and Roads	-	-	-	-	-
16	Hydraulics & Dam	-	-	-	-	-
17	Instrument	3	2	16	-	4
18	Internal Combustion	-	-	-	-	2
19	Marine	-	-	-	-	-
20	Machine Tools & Die Sinking	-	-	-	-	4
21	Mechanical	285	20	106	-	12
22	Mechanical/Metallurgical	-	8	6	1	9
23	Metallurgical	28	-	21	-	4
24	Mining	2	-	6	-	-
25	Naval Architecture	-	-	-	-	-
26	Production (Methods, Safety, Planning, Manufacturing & Industrial etc.)	9	8	26	-	-
27	Public Health	-	-	-	-	2
28	Structural	-	-	-	-	-
29	Soil Mechanics & Foundation	-	-	-	-	-
30	Sound	4	-	-	-	-
31	Telecommunication/Line Communication (Telephone & Telegraph)	240	-	1	-	3
32	Tool	8	-	-	-	-
33	Town & Country Planning	-	-	-	-	-
34	Engineers Unspecified (Branches not specified)	129	7	19	-	21
Total		1440	323	467	9	248

TABLE-1A (1998 contd..)

Vacancies for Engineers under Various sectors by pay-ranges during 1998.

Sl. No.	Branches of Engineering	Basic pay between Rs. 1501-2500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	8	9	10	11	12
1	Air-conditioning and Refrigeration.	-	2	-	-	-
2	Aeronautical	-	-	4	-	-
3	Agricultural	8	7	5	-	1
4	Aircraft Maintenance	-	-	2	-	-
5	Architecture	50	11	13	1	2
6	Architecture Civil	19	6	10	-	1
7	Automobile	16	1	-	1	-
8	Broadcasting & Television	-	-	-	-	-
9	Civil (including Municipal)	188	82	40	13	59
10	Chemical	42	25	42	10	4
11	Electrical	104	125	349	-	12
12	Electronics & Electrical microwave/ Communication(including Radio)	308	113	174	6	22
13	Electrical/Mechanical	69	2	5	-	7
14	Forging & Heat Treatment	-	-	-	-	-
15	Highways and Roads	-	-	-	-	-
16	Hydraulics & Dam	-	-	-	-	-
17	Instrument	-	1	9	-	-
18	Internal Combustion	1	-	-	-	2
19	Marine	10	-	19	-	-
20	Machine Tools & Die Sinking	1	1	1	-	-
21	Mechanical	340	83	110	23	7
22	Mechanical/Metallurgical	18	2	-	-	63
23	Metallurgical	32	7	8	-	3
24	Mining	16	2	15	-	3
25	Naval Architecture	-	-	-	-	-
26	Production (Methods, Safety, Planning, Manufacturing & Industrial etc.)	20	14	7	-	10
27	Public Health	1	1	-	-	1
28	Structural	-	-	9	-	-
29	Soil Mechanics & Foundation	1	-	-	-	-
30	Sound	-	-	-	-	-
31	Telecommunication/Line Communication (Telephone & Telegraph)	2	-	-	-	1
32	Tool	7	1	1	-	1
33	Town & Country Planning	-	7	-	-	-
34	Engineers Unspecified (Branches not specified)	81	49	28	3	6
Total		1334	542	851	57	205

TABLE-1A (1998 contd..)
 Vacancies for Engineers under Various sectors by pay-ranges
 during 1998.

Sl. No.	Branches of Engineering	Basic pay Rs.2501 and above per month					Total of Cols. (3-17)
		C.G	S.G.	Q.G	L.B.	Pvt.	
1	2	13	14	15	16	17	18
1	Air-conditioning and Refrigeration.	-	1	-	-	-	6
2	Aeronautical	2	-	1	-	-	7
3	Agricultural	1	2	10	-	-	174
4	Aircraft Maintenance	-	-	-	-	-	2
5	Architecture	7	5	8	-	-	107
6	Architecture Civil	1	5	54	-	4	119
7	Automobile	7	4	-	-	4	47
8	Broadcasting & Television	-	-	-	-	-	-
9	Civil (including Municipal)	46	48	110	20	2	1009
10	Chemical	4	15	35	3	-	320
11	Electrical	6	61	138	-	44	1100
12	Electronics & Electrical microwave/ Communication(including Radio)	115	123	170	-	2	1353
13	Electrical/Mechanical	5	1	37	-	23	308
14	Forging & Heat Treatment	-	-	-	-	-	3
15	Highways and Roads	-	-	-	-	-	-
16	Hydraulics & Dam	-	-	-	-	-	-
17	Instrument	2	5	8	-	-	50
18	Internal Combustion	-	-	23	-	1	29
19	Marine	1	-	2	-	-	32
20	Machine Tools & Die Sinking	-	-	3	-	13	23
21	Mechanical	39	76	138	-	9	1248
22	Mechanical/Metallurgical	7	-	27	-	16	157
23	Metallurgical	16	9	2	-	-	130
24	Mining	10	-	7	-	6	67
25	Naval Architecture	2	-	1	-	1	4
26	Production (Methods, Safety, Planning, Manufacturing & Industrial etc.)	4	8	25	-	8	139
27	Public Health	-	1	-	-	-	6
28	Structural	3	-	18	-	-	30
29	Soil Mechanics & Foundation	-	1	-	-	-	2
30	Sound	-	-	-	-	-	4
31	Telecommunication/Line Communication (Telephone & Telegraph)	1	1	1	-	-	247
32	Tool	-	1	-	-	1	23
33	Town & Country Planning	-	1	-	-	-	8
34	Engineers Unspecified (Branches not specified)	15	28	29	-	18	434
Total		294	396	847	23	152	7188

TABLE-1B

Vacancies for Engineers (Degree/Diploma Holders) according to work-experience during 1998.

Sl. No.	Branches of Engineering	Vacancies during 1998						
		Diploma Holders		Degree Holders		GRAND TOTAL		
		With Exp.	Without Exp.	With Exp.	Without Exp.	With Exp.	Without Exp.	TOTAL
1	2	3	4	5	6	7	8	9
1	Air-conditioning, and Refrigeration.	3	2	1	-	4	2	6
2	Aeronautical	1	-	6	-	7	-	7
3	Agricultural	28	56	32	58	60	114	174
4	Aircraft Maintenance	2	-	-	-	2	-	2
5	Architecture	61	3	40	3	101	6	107
6	Architecture Civil	98	1	16	4	114	5	119
7	Automobile	16	15	14	2	30	17	47
8	Broadcasting & Television	-	-	-	-	-	-	-
9	Civil (including Municipal)	335	238	328	108	663	346	1009
10	Chemical	150	11	154	5	304	16	320
11	Electrical	687	119	142	72	829	271	1100
12	Electronics & Electrical microwave/ Communication(including Radio)	693	274	302	84	995	358	1353
13	Electrical/Mechanical	139	129	34	6	173	135	308
14	Forging & Heat Treatment	3	-	-	-	3	-	3
15	Highways and Roads	-	-	-	-	-	-	-
16	Hydraulics & Dam	-	-	-	-	-	-	-
17	Instrument	32	-	15	3	47	3	50
18	Internal Combustion	12	11	2	4	14	15	29
19	Marine	20	-	12	-	32	-	32
20	Machine Tools & Die Sinking	13	10	-	-	13	10	23
21	Mechanical	572	250	362	64	934	314	1248
22	Mechanical/Metallurgical	51	45	13	48	64	93	157
23	Metallurgical	76	1	51	2	127	3	130
24	Mining	45	1	16	5	61	6	67
25	Naval Architecture	-	2	2	-	2	2	4
26	Production (Methods, Safety, Planning, Manufacturing & Industrial etc.)	68	10	61	-	129	10	139
27	Public Health	2	-	3	1	5	1	6
28	Structural	13	-	13	4	26	4	30
29	Soil Mechanics & Foundation	2	-	-	-	2	-	2
30	Sound	4	-	-	-	4	-	4
31	Telecommunication/Line Communication (Telephone & Telegraph)	53	192	-	2	53	194	247
32	Tool	22	1	-	-	22	1	23
33	Town & Country Planning	4	-	1	3	5	3	8
34	Engineers Unspecified (Branches not specified)	215	81	112	26	327	107	434
Total		3420	1532	1732	504	5152	2036	7188

TABLE-IC

State-wise and Sector-wise Vacancies for Engineers during 1998.

Sl. No.	State/UTs	C.G	S.G	Q.G.	L.B.	Pvt.	Total	%age to Total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	-	-	2	-	-	2	0.03
2	Andhra Pradesh	226	17	178	-	10	431	6.00
3	Arunachal Pradesh	-	1	-	-	-	1	0.01
4	Assam	37	4	3	-	-	44	0.61
5	Bihar	76	126	31	-	27	260	3.62
6	Chandigarh	73	1	3	-	-	77	1.07
7	Dadra & Nagar Haveli	6	31	-	-	-	37	0.51
8	Delhi	636	119	642	1	6	1404	19.53
9	Goa, Daman & Diu	10	4	13	-	9	36	0.50
10	Gujarat	91	16	4	-	83	194	2.70
11	Haryana	13	95	209	33	16	366	5.10
12	Himachal Pradesh	1	-	2	-	-	3	0.04
13	Jammu & Kashmir	-	-	72	-	-	72	1.00
14	Karnataka	295	66	351	-	100	812	11.30
15	Kerala	7	152	63	7	99	328	4.56
16	Lakshadweep	-	-	-	-	-	-	-
17	Madhya Pradesh	126	13	118	-	8	265	3.69
18	Maharashtra	287	211	70	39	240	847	11.78
19	Manipur	-	1	-	-	-	1	0.01
20	Meghalaya	14	1	3	-	-	18	0.25
21	Mizoram	3	8	2	7	-	20	0.28
22	Nagaland	-	14	1	-	-	15	0.21
23	Orissa	11	20	16	-	-	47	0.65
24	Pondicherry	3	36	-	-	-	39	0.54
25	Punjab	6	62	15	-	-	83	1.16
26	Rajasthan	55	42	28	-	6	131	1.82
27	Sikkim	-	-	-	-	-	-	-
28	Tamil Nadu	63	16	52	-	-	131	1.82
29	Tripura	-	-	-	-	-	-	-
30	Uttar Pradesh	436	168	228	-	1	833	11.59
31	West Bengal	583	37	54	2	-	676	9.41
32	*Statewise breakup not available	10	-	5	-	-	15	0.21
Total:		3068	1261	2165	89	605	7188	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-2A (1998)

Vacancies for Technologists under Various sectors by pay-ranges during 1998.

Sl. No.	Branches of Technology	Basic pay upto Rs. 1500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt
1	2	3	4	5	6	7
1	Alcohol	-	-	-	-	-
2	Ceramic	-	-	-	-	-
3	Chemical	2	-	-	-	-
4	Fibre	-	-	-	-	-
5	Food	8	5	-	-	-
6	Glass	1	-	15	-	-
7	Fuel	-	-	-	-	-
8	Hosiery	-	-	-	-	-
9	Intermediate & Dyes	-	-	-	-	-
10	Jute	-	-	-	-	-
11	Leather	1	-	-	-	2
12	Oil, Fats & Waxes	-	-	-	-	-
13	Paper	-	-	-	-	-
14	Paints, Pigments & Varnishes	-	-	-	-	-
15	Petroleum	-	-	-	-	5
16	Pharmaceutical & Fine Chemicals	-	-	-	-	-
17	Plastics	1	-	-	-	-
18	Printing	28	20	-	-	-
19	Rubber	1	-	-	-	-
20	Silicate	-	-	-	-	2
21	Sugar	-	-	-	-	-
22	Textile	2	1	1	-	6
23	Textile, Chemistry	1	-	-	-	2
24	Textile, Dyeing & Painting	-	-	-	-	-
25	Wood and Timber	-	-	-	-	-
26	Other technological subjects	2	2	2	-	-
Total :		47	28	18	-	17

TABLE-2A (1998 cont..)

Vacancies for Technologists under Various sectors by pay-ranges during 1998.

Sl. No.	Branches of Technology	Basic pay between Rs. 1501-2500 p.m.				
		C.G.	S.G.	Q.G.	L.B.	Pvt
1	2	8	9	10	11	12
1	Alcohol	-	-	-	-	-
2	Ceramic	-	-	-	-	-
3	Chemical	27	8	-	-	-
4	Fibre	-	-	-	-	-
5	Food	2	2	-	-	-
6	Glass	5	-	-	-	-
7	Fuel	-	-	-	-	-
8	Hosiery	2	-	-	-	-
9	Intermediate & Dyes	-	-	-	-	-
10	Jute	-	-	-	-	-
11	Leather	-	-	-	-	-
12	Oil, Fats & Waxes	-	-	-	-	-
13	Paper	-	1	1	-	-
14	Paints, Pigments & Varnishes	-	-	-	-	1
15	Petroleum	-	-	-	-	-
16	Pharmaceutical & Fine Chemicals	-	3	-	-	-
17	Plastics	-	-	-	-	-
18	Printing	12	6	-	-	-
19	Rubber	-	-	-	-	-
20	Silicate	-	-	-	-	-
21	Sugar	1	-	-	-	-
22	Textile	4	2	3	-	-
23	Textile, Chemistry	5	-	-	-	-
24	Textile, Dyeing & Painting	-	-	-	-	2
25	Wood and Timber	-	-	-	-	-
26	Other technological subjects	1	16	8	-	-
Total :		59	38	12	-	3

TABLE-2A (1998 cont..)

Vacancies for Technologists under Various sectors by pay-ranges during 1998.

Sl. No.	Branches of Technology	Basic pay Rs.2501 and above					Total of Cols. 3 - 17
		C.G	S.G.	Q.G	L.B.	Pvt	
1	2	13	14	15	16	17	18
1	Alcohol	-	-	-	-	-	-
2	Ceramic	-	-	-	-	-	-
3	Chemical	8	2	1	-	-	48
4	Fibre	-	-	-	-	-	-
5	Food	1	4	4	-	-	41
6	Glass	-	-	-	-	-	6
7	Fuel	-	-	-	-	-	-
8	Hosiery	-	-	-	-	-	2
9	Intermediate & Dyes	-	-	-	-	-	-
10	Jute	-	-	-	-	-	-
11	Leather	2	-	-	-	-	5
12	Oil, Fats & Waxes	-	-	-	-	-	-
13	Paper	-	-	3	-	-	5
14	Paints, Pigments & Varnishes	-	-	-	-	-	1
15	Petroleum	-	-	-	-	-	5
16	Pharmaceutical & Fine Chemicals	-	3	1	-	-	7
17	Plastics	-	-	1	-	-	2
18	Printing	-	1	1	-	-	68
19	Rubber	-	-	1	-	-	2
20	Silicate	-	-	-	-	-	-
21	Sugar	-	-	-	-	-	3
22	Textile	-	1	-	-	-	20
23	Textile, Chemistry	-	-	-	-	-	8
24	Textile, Dyeing & Painting	-	-	-	-	-	2
25	Wood and Timber	-	-	-	-	-	-
26	Other technological subjects	4	19	1	-	37	92
Total :		15	30	13	-	37	317

TABLE-2B

Vacancies for Technologists according to work-experience during 1998.

Vacancies for Technologists during 1998				
Sl. No.	Branches of Technology	With Exp.	Without Exp.	Total
1	2	3	4	5
1	Alcohol	-	-	-
2	Ceramic	-	-	-
3	Chemical	42	6	48
4	Fibre	-	-	-
5	Food	30	11	41
6	Glass	6	-	6
7	Fuel	-	-	-
8	Hosiery	2	-	2
9	Intermediate & Dyes	-	-	-
10	Jute	-	-	-
11	Leather	5	-	5
12	Oil, Fats & Waxes	-	-	-
13	Paper	5	-	5
14	Paints, Pigments & Varnishes	1	-	1
15	Petroleum	-	5	5
16	Pharmaceutical & Fine Chemicals	7	-	7
17	Plastics	1	1	2
18	Printing	50	18	68
19	Rubber	1	1	2
20	Silicate	-	-	-
21	Sugar	1	2	3
22	Textile	14	6	20
23	Textile, Chemistry	6	2	8
24	Textile, Dyeing & Painting	-	2	2
25	Wood and Timber	-	-	-
26	Other technological subjects	43	49	92
Total :		214	103	317

TABLE-2C

State-wise and Sector-wise Vacancies for Technologist during 1998.

Sl. No.	Name of State	C.G	S.G	Q.G.	L.B.	Pvt.	Total	Percentage to Total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	-	-	-	-	-	-	0.00
2	Andhra Pradesh	-	1	-	-	-	1	0.32
3	Arunachal Pradesh	-	-	-	-	-	-	0.00
4	Assam	-	-	-	-	-	-	0.00
5	Bihar	1	-	-	-	-	1	0.32
6	Chandigarh	2	-	-	-	-	2	0.63
7	Dadra & Nagar Haveli	-	-	-	-	-	-	-
8	Delhi	67	5	14	-	1	87	27.44
9	Goa, Daman & Diu	-	-	-	-	-	-	-
10	Gujarat	-	-	-	-	4	4	1.26
11	Haryana	-	37	-	-	-	37	11.67
12	Himachal Pradesh	-	2	-	-	-	2	0.63
13	Jammu & Kashmir	-	-	-	-	-	-	-
14	Karnataka	4	-	2	-	-	6	1.89
15	Kerala	-	8	9	-	5	22	6.94
16	Lakshadweep	-	13	-	-	-	13	4.10
17	Madhya Pradesh	-	1	2	-	-	3	0.95
18	Maharashtra	26	14	5	-	8	53	16.72
19	Manipur	-	-	-	-	-	-	-
20	Meghalaya	-	-	-	-	-	-	-
21	Mizoram	-	-	-	-	-	-	-
22	Nagaland	-	-	-	-	-	-	-
23	Orissa	-	-	-	-	-	-	-
24	Pondicherry	-	-	-	-	-	-	-
25	Punjab	-	6	8	-	-	14	4.42
26	Rajasthan	-	1	-	-	-	1	0.32
27	Sikkim	-	-	-	-	-	-	-
28	Tamil Nadu	3	2	-	-	-	5	1.58
29	Tripura	-	-	-	-	-	-	-
30	Uttar Pradesh	13	-	3	-	-	16	5.04
31	West Bengal	-	1	-	-	-	1	0.32
32	*Statewise breakup not available	5	5	-	-	39	49	15.45
Total:		121	96	43	-	57	317	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-3A (1998)

Vacancies for Agricultural Scientists under Various sectors
by pay-range during 1998.

Sl. Branches of Agriculture No.		Basic pay upto Rs. 1500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	3	4	5	6	7
1	Agronomy	1	3	6	2	-
2	Agricultural Bacteriology	-	2	1	-	-
3	Agricultural Botany	1	1	3	-	-
4	Agricultural Chemistry	4	2	1	-	-
5	Agricultural Economics	-	1	2	-	-
6	Entomology	-	-	4	-	-
7	Agricultural Extension	-	-	2	-	-
8	Agricultural Marketing	-	-	-	-	-
9	Agricultural Meteorology	-	-	-	-	-
10	Agricultural Microbiology	-	-	-	-	-
11	Agricultural Sociology	-	-	-	-	-
12	Agricultural Statistics	-	1	-	-	-
13	Animal Nutrition	-	-	1	-	-
14	Animal Pathology	-	17	-	-	-
15	Co-operation	-	12	13	-	3
16	Dairying	-	-	1	-	-
17	Fishery	-	4	1	-	-
18	Forestry	-	-	3	-	-
19	Horticulture	1	3	76	-	-
20	Land Development	-	-	-	-	-
21	Mycology & Plant Pathology	-	-	3	-	-
22	Plant Pathology	-	3	1	-	-
23	Plant Breeding & Genetics	-	-	3	-	-
24	Plant Physiology	-	-	-	-	-
25	Poultry Farming	-	-	-	-	-
26	Soil Science	2	1	1	-	1
27	Veterinary Science & Animal Husbandry	2	-	4	-	-
28	Warehousing	-	-	-	-	1
29	Water Conservation	-	2	-	-	-
30	Other Agricultural subjects	3	1	1	-	4
Total :		14	53	127	2	9

TABLE-3A (1998 Contd..)

Vacancies for Agricultural Scientists under Various sectors
by pay-range during 1998.

Sl. Branches of Agriculture No.		Basic pay between Rs. 1501-2500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	8	9	10	11	12
1	Agronomy	5	10	17	2	3
2	Agricultural Bacteriology	-	1	2	-	-
3	Agricultural Botany	39	5	-	2	-
4	Agricultural Chemistry	3	4	-	1	-
5	Agricultural Economics	11	4	10	-	1
6	Entomology	1	5	7	-	-
7	Agricultural Extension	-	7	122	-	-
8	Agricultural Marketing	2	-	2	-	-
9	Agricultural Meteorology	-	1	1	-	-
10	Agricultural Microbiology	-	-	8	-	-
11	Agricultural Sociology	-	-	-	-	-
12	Agricultural Statistics	4	-	2	-	1
13	Animal Nutrition	-	-	8	-	-
14	Animal Pathology	-	-	-	-	-
15	Co-operation	1	1	-	-	-
16	Dairying	-	-	5	-	-
17	Fishery	4	2	7	-	-
18	Forestry	-	7	18	-	-
19	Horticulture	8	13	10	-	-
20	Land Development	1	-	-	-	-
21	Mycology & Plant Pathology	-	1	-	1	-
22	Plant Pathology	-	5	3	-	-
23	Plant Breeding & Genetics	-	9	14	-	-
24	Plant Physiology	-	17	12	-	-
25	Poultry Farming	-	1	5	-	-
26	Soil Science	11	12	28	-	-
27	Veterinary Science & Animal Husbandry	10	16	75	-	1
28	Warehousing	-	6	-	-	-
29	Water Conservation	-	2	-	-	-
30	Other Agricultural subjects	1	-	9	-	-
Total :		101	129	365	6	6

TABLE-3A (1998 Contd..)

Vacancies for Agricultural Scientists under Various sectors
by pay-range during 1998.

Sl. No.	Branches of Agriculture	Basic pay Rs.2501 and above p.m.					Total of Cols. (3 - 17)
		C.G.	S.G.	Q.G.	L.B.	Pvt.	
1	2	13	14	15	16	17	18
1	Agronomy	-	13	8	-	-	70
2	Agricultural Bacteriology	-	-	-	-	-	6
3	Agricultural Botany	3	4	-	-	-	58
4	Agricultural Chemistry	-	5	-	-	-	20
5	Agricultural Economics	-	2	5	-	-	36
6	Entomology	3	4	8	-	-	32
7	Agricultural Extension	-	7	4	9	4	155
8	Agricultural Marketing	1	-	-	-	-	5
9	Agricultural Meteorology	-	-	-	-	-	2
10	Agricultural Microbiology	1	-	2	-	3	14
11	Agricultural Sociology	-	-	-	-	-	-
12	Agricultural Statistics	-	-	-	-	-	8
13	Animal Nutrition	1	-	1	-	-	11
14	Animal Pathology	-	1	-	-	-	18
15	Co-operation	-	-	-	-	5	35
16	Dairying	-	-	1	-	-	7
17	Fishery	-	7	2	-	-	27
18	Forestry	-	-	7	-	6	41
19	Horticulture	-	9	27	-	1	148
20	Land Development	-	1	-	-	-	2
21	Mycology & Plant Pathology	-	2	-	-	-	7
22	Plant Pathology	-	13	2	-	-	27
23	Plant Breeding & Genetics	-	10	11	-	-	47
24	Plant Physiology	-	3	2	-	-	34
25	Poultry Farming	-	1	-	-	-	7
26	Soil Science	-	7	10	-	-	73
27	Veterinary Science & Animal Husbandry	-	21	15	-	-	144
28	Warehousing	-	-	-	3	-	10
29	Water Conservation	-	1	1	-	-	6
30	Other Agricultural subjects	-	5	-	-	22	46
Total :		9	116	106	12	41	1096

TABLE-3B

Vacancies for Agricultural Scientists according to work experience during 1998.

Sl. No.	Branches of Agriculture	Vacancies for Agricultural Scientists during 1998.		Total
		With Exp.	Without Exp.	
1	2	3	4	5
1	Agronomy	58	12	70
2	Agricultural Bacteriology	6	-	6
3	Agricultural Botany	53	5	58
4	Agricultural Chemistry	16	4	20
5	Agricultural Economics	33	3	36
6	Entomology	29	3	32
7	Agricultural Extension	28	127	155
8	Agricultural Marketing	5	-	5
9	Agricultural Meteorology	2	-	2
10	Agricultural Microbiology	12	2	14
11	Agricultural Sociology	-	-	-
12	Agricultural Statistics	8	-	8
13	Animal Nutrition	7	4	11
14	Animal Pathology	1	17	18
15	Co-operation	16	19	35
16	Dairying	7	-	7
17	Fishery	27	-	27
18	Forestry	38	3	41
19	Horticulture	127	21	148
20	Land Development	2	-	2
21	Mycology & Plant Pathology	6	1	7
22	Plant Pathology	26	1	27
23	Plant Breeding & Genetics	43	4	47
24	Plant Physiology	34	-	34
25	Poultry Farming	7	-	7
26	Soil Science	67	6	73
27	Veterinary Science & Animal Husbandry	139	5	144
28	Warehousing	1	9	10
29	Water Conservation	4	2	6
30	Other Agricultural subjects	30	16	46
Total:		832	264	1096

TABLE-3C

State-wise and Sector-wise Vacancies for Agricultural Scientists during 1998.

Sl. No.	Name of State	C.G.	S.G.	Q.G.	L.B.	Pvt.	Total	Percentage to total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	3	10	6	-	-	19	1.73
2	Andhra Pradesh	-	22	13	-	-	35	3.19
3	Arunachal Pradesh	-	-	-	-	-	-	-
4	Assam	1	-	-	-	-	1	0.09
5	Bihar	2	1	5	-	1	9	0.82
6	Chandigarh	-	-	3	-	-	3	0.27
7	Dadra & Nagar Haveli	-	-	-	-	-	-	-
8	Delhi	71	13	22	-	-	106	9.67
9	Goa, Daman & Diu	-	2	-	-	-	2	0.18
10	Gujarat	1	2	4	-	-	7	0.64
11	Haryana	-	20	7	-	-	27	2.46
12	Himachal Pradesh	-	-	5	-	-	5	0.46
13	Jammu & Kashmir	3	-	-	-	-	3	0.27
14	Karnataka	4	1	303	-	-	308	28.10
15	Kerala	4	41	21	4	5	75	6.84
16	Lakshadweep	-	-	-	-	-	-	-
17	Madhya Pradesh	1	10	8	-	-	19	1.73
18	Maharashtra	6	26	40	16	45	133	12.14
19	Manipur	-	-	-	-	-	-	-
20	Meghalaya	-	-	-	-	-	-	-
21	Mizoram	-	-	-	-	-	-	-
22	Nagaland	-	22	1	-	-	23	2.10
23	Orissa	-	16	3	-	2	21	1.92
24	Pondicherry	-	4	1	-	-	5	0.46
25	Punjab	-	-	5	-	-	5	0.46
26	Rajasthan	-	6	12	-	-	18	1.64
27	Sikkim	5	2	2	-	-	9	0.82
28	Tamil Nadu	3	7	2	-	-	12	1.10
29	Tripura	-	-	-	-	-	-	-
30	Uttar Pradesh	7	90	134	-	3	234	21.35
31	West Bengal	1	3	1	-	-	5	0.46
32	*Statewise breakup not available	12	-	-	-	-	12	1.10
Total:		124	298	598	20	56	1096	100.00

* Relates mostly to vacancies notified by the Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-4A (1998)

Vacancies for Medical Personnel under Various Sectors by pay-ranges during 1998.

Sl. No.	Branches of Medicine	Basic pay upto Rs. 1500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	3	4	5	6	7
1	Allopathic Medicine (MBBS)	4	-	2	4	1
2	Anaesthesia	2	-	1	-	-
3	Anatomy	-	-	-	-	-
4	Ayurvedic	-	6	-	2	-
5	Cardiology	1	-	-	-	-
6	Clinical Pathology & Bacteriology	11	110	3	1	4
7	Dietetics	1	3	-	-	-
8	Dental Surgery	1	-	3	-	-
9	Dermatology	-	-	-	-	-
10	Forensic Medicine	-	-	1	-	-
11	General Surgery	1	-	-	-	-
12	Gynaecology, Obstetrics	1	-	1	-	-
13	Homeopathic	-	-	-	-	-
14	Laryngology & Otolaryngology	-	-	-	-	-
15	Malariaology & Communicable Disease	-	-	-	-	-
16	Maternity, Child Welfare and Health	-	-	-	-	-
17	Medical, Bio-chemistry	-	-	-	-	-
18	Medical Radiology and Electrology	2	8	-	-	-
19	Microbiology	-	-	2	-	-
20	Nursing	386	302	57	-	16
21	Occupational Therapy	3	57	3	92	63
22	Ophthalmic Medicine & Surgery	-	-	-	-	-
23	Orthopaedic Surgery	-	3	-	-	-
24	Paediatrics	2	-	-	-	-
25	Pharmacy	28	8	1	-	1
26	Pharmacology, Medical	2	29	1	13	21
27	Physiology	-	-	-	-	-
28	Physiotherapy	7	9	-	-	-
29	Preventive & Social Medicine (Industrial Health)	-	1	-	-	-
30	Psychiatry	-	-	-	-	-
31	Psychology, Medical	-	2	-	-	-
32	Public Health	-	-	-	-	-
33	Sanitary Science	-	-	2	-	-
34	Tubercular Diseases	-	24	-	-	-
35	Tropical Medicine	-	-	-	-	-
36	Unani	-	-	-	-	-
37	Venereology	-	-	-	-	-
38	MD/Ph.D/MS, Medical Specialists (Unspecified Others).	4	-	1	-	-
Total :		465	562	78	112	106

TABLE-4A (1998 contd..)

Vacancies for Medical Personnel under Various Sectors by pay-ranges during 1998.

Sl. Branches of Medicine No.		Basic pay between Rs. 1501-2500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	8	9	10	11	12
1	Allopathic Medicine (MBBS)	34	85	27	11	16
2	Anaesthesia	26	13	36	-	1
3	Anatomy	3	2	8	-	-
4	Ayurvedic	14	-	1	2	3
5	Cardiology	-	7	2	-	-
6	Clinical Pathology & Bacteriology	10	-	10	-	-
7	Dietetics	-	-	1	-	-
8	Dental Surgery	-	-	-	-	1
9	Dermatology	-	-	5	-	-
10	Forensic Medicine	1	-	1	-	-
11	General Surgery	15	2	12	-	2
12	Gynaecology, Obstetrics	7	8	21	-	3
13	Homeopathic	-	-	3	-	-
14	Laryngology & Otolaryngology	2	1	6	-	-
15	Malariology & Communicable Disease	-	-	-	-	-
16	Maternity, Child Welfare and Health	-	-	-	-	-
17	Medical, Bio-chemistry	-	-	8	-	-
18	Medical Radiology and Electrology	3	2	9	-	-
19	Microbiology	64	2	3	-	-
20	Nursing	16	6	7	-	-
21	Occupational Therapy	-	25	-	-	18
22	Ophthalmic Medicine & Surgery	-	1	6	-	-
23	Orthopaedic Surgery	2	4	14	-	-
24	Paediatrics	4	3	22	-	4
25	Pharmacy	26	25	28	-	-
26	Pharmacology, Medical	6	9	11	-	1
27	Physiology	2	3	-	-	-
28	Physiotherapy	-	1	1	-	-
29	Preventive & Social Medicine (Industrial Health)	2	-	3	-	-
30	Psychiatry	3	-	7	-	-
31	Psychology, Medical	2	4	2	-	-
32	Public Health	-	-	1	-	-
33	Sanitary Science	-	-	-	-	-
34	Tubercular Diseases	1	-	1	-	-
35	Tropical Medicine	-	-	-	-	-
36	Unani	-	-	1	-	3
37	Venereology	-	-	1	-	-
38	MD/Ph.D/MS, Medical Specialists (Unspecified Others).	30	118	20	3	5
Total :		273	321	278	16	57

TABLE-4A (1998 contd..)

Vacancies for Medical Personnel under Various Sectors by pay-ranges during 1998.

Sl. No.	Branches of Medicine	Basic pay Rs.2501 and above p.m.					Total of cols (3 - 17)
		C.G.	S.G.	Q.G.	L.B.	Pvt.	
1	2	13	14	15	16	17	18
1	Allopathic Medicine (MBBS)	135	29	24	-	7	379
2	Anaesthesia	28	21	6	-	-	134
3	Anatomy	-	2	-	-	-	15
4	Ayurvedic	-	-	2	-	4	34
5	Cardiology	16	3	2	-	1	32
6	Clinical Pathology & Bacteriology	9	3	3	-	-	164
7	Dietetics	-	1	-	-	-	6
8	Dental Surgery	13	4	-	-	-	22
9	Dermatology	6	-	-	-	-	11
10	Forensic Medicine	-	2	-	-	2	7
11	General Surgery	35	4	4	-	2	77
12	Gynaecology, Obstetrics	17	6	3	-	-	67
13	Homeopathic	-	2	1	-	-	6
14	Laryngology & Otolaryngology	4	1	1	-	-	15
15	Malariology & Communicable Disease	-	-	-	-	-	-
16	Maternity, Child Welfare and Health	-	2	-	-	-	2
17	Medical, Bio-chemistry	-	1	1	-	-	10
18	Medical Radiology and Electrology	32	4	5	-	-	65
19	Microbiology	1	-	1	-	-	73
20	Nursing	22	-	2	-	-	814
21	Occupational Therapy	-	4	-	-	-	265
22	Ophthalmic Medicine & Surgery	9	1	-	-	1	18
23	Orthopaedic Surgery	28	5	-	-	1	57
24	Paediatrics	15	7	-	-	1	58
25	Pharmacy	2	20	2	-	-	141
26	Pharmacology, Medical	5	7	1	-	1	107
27	Physiology	-	3	-	-	-	8
28	Physiotherapy	2	1	-	-	-	21
29	Preventive & Social Medicine (Industrial Health)	2	-	1	-	-	9
30	Psychiatry	3	3	-	-	-	16
31	Psychology, Medical	1	2	5	-	-	18
32	Public Health	17	-	-	-	-	18
33	Sanitary Science	-	-	-	-	-	2
34	Tubercular Diseases	-	-	-	-	-	26
35	Tropical Medicine	-	-	-	-	-	-
36	Unani	5	-	-	-	-	9
37	Venereology	2	-	-	-	-	3
38	MD/Ph.D/MS, Medical Specialists (Unspecified Others).	21	62	13	-	12	289
Total :		430	200	77	-	32	2998

TABLE-4B

Vacancies for Medical Personnel according to work experience during 1998.

Sl. No.	Branches of Medicine	Vacancies for Medical Personnel during 1998		
		With Exp.	Without Exp.	Total
1	2	3	4	5
1	Allopathic Medicine (MBBS)	294	85	379
2	Anaesthesia	102	32	134
3	Anatomy	10	5	15
4	Ayurvedic	24	10	34
5	Cardiology	23	9	32
6	Clinical Pathology & Bacteriology	30	134	164
7	Dietetics	5	1	6
8	Dental Surgery	22	-	22
9	Dermatology	7	4	11
10	Forensic Medicine	3	4	7
11	General Surgery	66	11	77
12	Gynaecology, Obstetrics	36	31	67
13	Homeopathic	5	1	6
14	Laryngology & Otolaryngology	9	6	15
15	Malariology & Communicable Disease	-	-	-
16	Maternity, Child Welfare and Health	2	-	2
17	Medical, Bio-chemistry	7	3	10
18	Medical Radiology and Electrology	47	18	65
19	Microbiology	66	7	73
20	Nursing	540	274	814
21	Occupational Therapy	69	196	265
22	Ophthalmic Medicine & Surgery	13	5	18
23	Orthopaedic Surgery	42	15	57
24	Paedriatics	34	24	58
25	Pharmacy	91	50	141
26	Pharmacology, Medical	45	62	107
27	Physiology	7	1	8
28	Physiotherapy	18	3	21
29	Preventive & Social Medicine (Industrial Health)	6	3	9
30	Psychiatry	8	8	16
31	Psychology, Medical	17	1	18
32	Public Health	18	-	18
33	Sanitary Science	2	-	2
34	Tubercular Diseases	1	25	26
35	Tropical Medicine	-	-	-
36	Unani	6	3	9
37	Venereology	2	1	3
38	MD/Ph.D/MS, Medical Specialists (Unspecified Others).	126	163	289
Total:		1803	1195	2998

TABLE-4C

State-wise and Sector-wise Vacancies for Medical Personnel during 1998.

Sl. No.	Name of State	C.G.	S.G.	Q.G.	L.B.	Pvt.	Total	Percentage to total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	116	-	-	-	10	126	4.20
2	Andhra Pradesh	25	4	25	-	3	57	1.90
3	Arunachal Pradesh	-	-	-	-	-	-	-
4	Assam	-	-	-	-	4	4	0.13
5	Bihar	13	3	7	-	-	23	0.77
6	Chandigarh	25	99	42	-	-	166	5.54
7	Dadra & Nagar Haveli	-	14	-	-	-	14	0.47
8	Delhi	727	210	159	5	1	1102	36.76
9	Goa, Daman & Diu	-	10	-	-	-	10	0.33
10	Gujarat	14	20	3	-	7	44	1.47
11	Haryana	2	10	15	-	-	27	0.90
12	Himachal Pradesh	1	-	3	-	-	3	0.10
13	Jammu & Kashmir	4	7	1	-	-	12	0.40
14	Karnataka	2	3	28	-	1	34	1.13
15	Kerala	24	14	1	-	3	42	1.40
16	Lakshadweep	-	-	-	-	-	-	-
17	Madhya Pradesh	21	8	11	-	7	47	1.57
18	Maharashtra	45	263	21	123	124	576	19.21
19	Manipur	-	-	-	-	-	-	-
20	Meghalaya	31	2	-	-	15	48	1.60
21	Mizoram	-	-	-	-	-	-	-
22	Nagaland	3	-	-	-	-	3	0.10
23	Orissa	-	-	-	-	7	7	1.23
24	Pondicherry	1	95	58	-	-	154	5.14
25	Punjab	-	1	-	-	-	1	0.03
26	Rajasthan	3	4	2	-	2	11	0.37
27	Sikkim	-	-	-	-	-	-	-
28	Tamil Nadu	36	1	5	-	-	42	1.40
29	Tripura	-	-	-	-	-	-	-
30	Uttar Pradesh	5	304	34	-	1	344	11.48
31	West Bengal	53	11	18	-	10	92	3.07
32	*Statewise breakup not available	9	-	-	-	-	9	0.30
Total:		1159	1083	433	128	195	2998	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-5A (1998)

Vacancies for Natural Scientists under Various Sectors by pay-ranges during 1998.

Sl. No.	Branches of Natural Sciences	Basic pay upto Rs. 1500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt..
1	2	3	4	5	6	7
1	Astronomy	-	-	-	-	-
2	Biology	1	18	1	-	-
3	Botany	8	12	11	-	-
4	Chemistry	14	41	30	1	4
5	Chemistry Analytical	-	-	-	-	1
6	Chemistry-Bio	1	2	6	-	2
7	Chemistry Industrial	12	10	11	-	-
8	Chemistry Inorganic	3	1	-	-	-
9	Geology	-	-	3	-	4
10	Geology Applied	-	-	-	-	8
11	Geophysics	10	-	12	-	-
12	Meteorology	-	-	-	-	-
13	Microbiology	-	3	4	-	-
14	Oceanography	-	-	-	-	-
15	Physics	28	19	13	-	3
16	Physics, Applied	-	3	-	-	-
17	Physics-Bio	-	-	-	-	-
18	Physics, Mathematical	1	11	10	-	13
19	Physics, Chemistry & Mathematics	82	31	8	-	5
20	Physics, Nuclear	-	-	-	-	17
21	Physiology	-	-	1	-	-
22	Spectroscopy	-	-	-	-	-
23	Zoology	9	8	5	-	-
24	Combination of Natural Science Subjects	58	63	41	-	27
Total :		227	222	156	1	84

TABLE-5A (1998 contd..)

Vacancies for Natural Scientists under Various Sectors by pay-ranges during 1998.

Sl. Branches of Natural Sciences No.		Basic pay between Rs. 1501-2500 p.m.				
		C.G	S.G	Q.G	L.B.	Pvt
1	2	8	9	10	11	12
1	Astronomy	-	-	-	-	-
2	Biology	41	61	15	-	20
3	Botany	5	72	19	1	2
4	Chemistry	98	143	54	-	28
5	Chemistry Analytical	-	2	2	-	1
6	Chemistry-Bio	13	5	11	-	1
7	Chemistry Industrial	9	14	5	-	11
8	Chemistry Inorganic	-	9	5	-	5
9	Geology	-	31	-	-	12
10	Geology Applied	-	14	-	-	2
11	Geophysics	4	2	-	-	-
12	Meteorology	-	-	-	-	-
13	Microbiology	4	9	14	-	-
14	Oceanography	-	-	4	-	-
15	Physics	61	119	29	-	21
16	Physics, Applied	9	3	3	-	-
17	Physics-Bio	-	-	1	-	1
18	Physics, Mathematical	8	2	6	-	1
19	Physics, Chemistry & Mathematics	21	24	33	2	1
20	Physics, Nuclear	-	-	-	2	-
21	Physiology	1	1	3	-	-
22	Spectroscopy	-	-	-	-	-
23	Zoology	10	40	21	-	1
24	Combination of Natural Science Subjects	70	60	219	1	20
Total :		354	611	444	6	127

TABLE-5A (1998 contd.)

Vacancies for Natural Scientists under Various Sectors by pay-ranges during 1998.

Sl. No.	Branches of Natural Sciences	Basic pay Rs. 2501 and above p.m.					Total of Cols. 3 - 17
		C.G.	S.G.	Q.G.	L.B.	Pvt.	
1	2	13	14	15	16	17	18
1	Astronomy	-	-	1	-	-	1
2	Biology	1	11	5	-	2	176
3	Botany	8	17	8	-	-	163
4	Chemistry	26	26	38	5	5	513
5	Chemistry Analytical	2	3	-	-	-	11
6	Chemistry-Bio	6	9	28	-	-	84
7	Chemistry Industrial	4	5	4	-	-	85
8	Chemistry Inorganic	1	5	3	-	-	32
9	Geology	-	2	2	-	-	54
10	Geology Applied	1	-	5	-	-	30
11	Geophysics	-	2	3	-	-	33
12	Meteorology	1	-	1	-	-	2
13	Microbiology	2	3	-	-	-	39
14	Oceanography	2	-	-	-	4	10
15	Physics	9	18	20	-	1	340
16	Physics, Applied	-	-	-	-	-	19
17	Physics-Bio	-	-	1	-	-	3
18	Physics, Mathematical	2	-	2	-	-	55
19	Physics, Chemistry & Mathematics	31	17	13	-	-	269
20	Physics, Nuclear	-	4	-	-	2	25
21	Physiology	-	3	-	-	-	9
22	Spectroscopy	-	-	-	-	-	-
23	Zoology	1	12	23	-	-	130
24	Combination of Natural Science Subjects	3	49	72	2	39	724
Total :		100	186	229	7	53	2807

TABLE-5B

Vacancies for Natural Scientists according to work experience during 1998.

Sl. Branches of Natural No. Sciences		Vacancies for Natural Scientists during 1998		
		With Exp.	Without Exp.	Total
1	2	3	4	5
1	Astronomy	1	-	1
2	Biology	152	24	176
3	Botany	101	62	163
4	Chemistry	358	155	513
5	Chemistry Analytical	7	4	11
6	Chemistry-Bio	63	21	84
7	Chemistry Industrial	58	27	85
8	Chemistry Inorganic	21	11	32
9	Geology	38	16	54
10	Geology Applied	21	9	30
11	Geophysics	26	7	33
12	Meteorology	2	-	2
13	Microbiology	31	8	39
14	Oceanography	4	6	10
15	Physics	199	141	340
16	Physics, Applied	13	6	19
17	Physics-Bio	3	-	3
18	Physics, Mathematical	30	25	55
19	Physics, Chemistry & Mathematics	183	86	269
20	Physics, Nuclear	9	16	25
21	Physiology	8	1	9
22	Spectroscopy	-	-	-
23	Zoology	81	49	130
24	Combination of Natural Science subjects	598	126	724
Total:		2007	800	2807

TABLE -5C

State-wise and Sector-wise Vacancies for Natural Scientists during 1998.

Sl. No.	Name of State	C.G	S.C	Q.G	L.B.	Pvt.	Total	Percentage to Total
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	Andaman & Nicobar	4	-	-	-	-	4	0.14
2.	Andhra Pradesh	4	24	18	-	-	46	1.64
3.	Arunchal Pradesh	1	26	11	-	-	38	1.35
4.	Assam	18	6	2	-	-	26	0.93
5.	Bihar	15	35	11	-	11	72	2.57
6.	Chandigarh	25	10	7	-	-	42	1.50
7.	Dadra & Nagar Haveli	-	3	-	-	-	3	0.10
8.	Delhi	373	135	102	1	6	617	21.98
9.	Goa, Daman & Diu	1	1	5	-	-	7	0.25
10.	Gujarat	-	13	7	-	5	25	0.89
11.	Haryana	3	39	5	2	10	59	2.10
12.	Himachal Pradesh	2	26	3	-	-	31	1.10
13.	Jammu & Kashmir	2	5	-	-	-	7	0.25
14.	Karnataka	16	7	74	-	-	97	3.46
15.	Kerala	8	26	41	2	33	110	3.92
16.	Lakshadweep	-	-	-	-	-	-	-
17.	Madhya Pradesh	31	22	22	-	7	82	2.92
18.	Maharashtra	49	98	110	8	146	411	14.64
19.	Manipur	-	45	-	-	-	45	1.60
20.	Meghalaya	3	23	4	-	-	30	1.07
21.	Mizoram	-	1	-	-	-	1	0.04
22.	Nagaland	-	9	1	-	-	10	0.36
23.	Orissa	3	15	14	-	-	32	1.14
24.	Pondicherry	-	21	3	-	-	24	0.86
25.	Punjab	1	44	39	1	3	88	3.13
26.	Rajasthan	6	28	58	-	32	124	4.41
27.	Sikkim	-	-	-	-	-	-	-
28.	Tamil Nadu	13	12	53	-	-	78	2.78
29.	Tripura	-	-	-	-	-	-	-
30.	Uttar Pradesh	23	324	230	-	11	588	20.95
31.	West Bengal	63	21	8	-	-	92	3.28
32.	*Statewise breakup not available	17	-	1	-	-	18	0.64
Total:		681	1019	829	14	264	2807	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-6A (1998)

Vacancies for Social Scientists and Teachers under Various Sectors by pay ranges during 1998.

Sl. No.	Branches of Social Sciences	Basic pay upto Rs. 1500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	3	4	5	6	7
1	Accountancy	10	12	-	-	10
2	Accountancy, Chartered	8	2	24	-	1
3	Accountancy, Cost & Works	33	1	-	-	1
4	Accountancy, Management	-	-	-	-	2
5	Actuary	-	-	-	-	-
6	Anthropology	4	1	-	-	-
7	Archaeology	-	2	-	-	-
8	Archives	-	1	-	-	-
9	Economics	628	6	2	-	1
10	Education/Teaching	35	394	76	655	475
11	English	5	8	11	1	79
12	Geography	7	2	-	-	17
13	Hindi	92	35	40	-	28
14	History	-	7	-	-	5
15	Labour/Social Welfare	-	1	-	-	-
16	Home, Domestic Science/ Economics	-	7	-	-	-
17	Languages	20	49	22	-	76
18	Law	1	1	30	-	-
19	Literature	-	-	-	-	-
20	Mathematics	3	7	4	-	36
21	Mathematics, Applied	-	42	-	-	1
22	Philosophy	-	-	-	-	-
23	Political Science	-	4	-	-	-
24	Psychology	-	3	1	-	-
25	Rural Science	-	-	-	-	-
26	Sociology/Social Work/ Social Science	9	5	4	-	11
27	Statistics	12	2	1	-	-
28	Statistics/Mathematics	13	-	219	-	-
29	Statistics/Mathematics/ Economics	235	4	1	-	-
30	Combination of Social Sciences	10	73	-	3	29
Total :		1125	669	435	659	772

TABLE-6A (1998 contd..)

Vacancies for Social Scientists and Teachers under Various Sectors by pay ranges during 1998.

Sl. No.	Branches of Social Sciences	Basic pay between Rs. 1501-2500 p.m.				
		C.G	S.G.	Q.G	L.B.	Pvt.
1	2	8	9	10	11	12
1	Accountancy	33	63	11	-	15
2	Accountancy, Chartered	24	34	24	-	22
3	Accountancy, Cost & Works	14	3	20	1	-
4	Accountancy, Management	-	-	-	-	4
5	Actuary	-	-	-	-	-
6	Anthropology	1	9	1	-	-
7	Archaeology	1	1	-	-	-
8	Archives	-	1	-	-	-
9	Economics	107	109	30	-	23
10	Education/Teaching	53	525	107	1	402
11	English	45	162	11	-	51
12	Geography	43	98	1	-	21
13	Hindi	68	184	10	1	25
14	History	78	124	7	-	26
15	Labour/Social Welfare	-	12	-	-	-
16	Home, Domestic Science/ Economics	-	23	12	-	3
17	Languages	32	118	18	-	4
18	Law	60	124	55	-	-
19	Literature	1	14	-	-	1
20	Mathematics	51	154	15	-	55
21	Mathematics, Applied	-	1	-	-	-
22	Philosophy	-	13	2	-	-
23	Political Science	38	111	12	-	-
24	Psychology	1	26	3	-	2
25	Rural Science	-	4	-	-	-
26	Sociology/Social Work/ Social Science	9	98	24	-	31
27	Statistics	2	8	4	5	-
28	Statistics/Mathematics	6	12	-	1	-
29	Statistics/Mathematics/ Economics	80	5	-	-	-
30	Combination of Social Sciences	-	5	4	-	62
Total :		747	2041	371	9	747

TABLE-6A (1998 contd..)

Vacancies for Social Scientists and Teachers under Various Sectors by pay ranges during 1998.

Sl. No.	Branches of Social Sciences	Basic pay Rs.2501 and above p.m.					Total of Cols. 3 - 17
		C.G.	S.G.	Q.G.	L.B.	Pvt.	
1	2	13	14	15	16	17	18
1	Accountancy	14	8	108	2	3	289
2	Accountancy, Chartered	1	5	143	-	3	291
3	Accountancy, Cost & Works	-	-	26	-	1	100
4	Accountancy, Management	1	-	1	-	3	11
5	Actuary	-	-	-	-	-	-
6	Anthropology	1	-	2	-	-	19
7	Archaeology	-	1	-	-	-	5
8	Archives	-	-	-	-	-	2
9	Economics	3	10	21	-	2	942
10	Education/Teaching	42	252	87	28	275	3407
11	English	6	6	11	-	3	399
12	Geography	6	3	5	-	2	205
13	Hindi	9	4	53	-	3	552
14	History	8	4	8	-	-	267
15	Labour/Social Welfare	-	-	-	-	-	13
16	Home, Domestic Science/ Economics	-	1	-	-	4	49
17	Languages	5	24	10	-	-	378
18	Law	9	4	77	-	-	362
19	Literature	2	-	1	-	1	20
20	Mathematics	2	26	9	-	11	373
21	Mathematics, Applied	-	-	-	-	-	44
22	Philosophy	-	3	3	-	-	21
23	Political Science	-	8	5	-	1	179
24	Psychology	-	1	2	-	1	40
25	Rural Science	-	-	-	-	-	4
26	Sociology/Social Work/ Social Science	2	18	21	-	1	233
27	Statistics	-	3	7	-	-	44
28	Statistics/Mathematics	2	2	2	-	-	257
29	Statistics/Mathematics/ Economics	5	12	24	-	-	366
30	Combination of Social Sciences	-	-	-	-	80	266
Total :		118	395	626	30	394	9138

TABLE-6B

Vacancies for Social Scientists and Teachers
according to experience during 1998.

Sl. No.	Branches of Social Sciences	With Exp.	With Exp.	Total
1	2	3	4	5
1	Accountancy	177	112	289
2	Accountancy, Chartered	247	44	291
3	Accountancy, Cost & Works	74	26	100
4	Accountancy, Management	8	3	11
5	Actuary	-	-	-
6	Anthropology	14	5	19
7	Archaeology	3	2	5
8	Archives	2	-	2
9	Economics	217	725	942
10	Education/Teaching	1848	1559	3407
11	English	225	174	399
12	Geography	110	95	205
13	Hindi	329	223	552
14	History	153	114	267
15	Labour/Social Welfare	12	1	13
16	Home, Domestic Science/ Economics	31	18	49
17	Languages	182	196	378
18	Law	292	70	362
19	Literature	18	2	20
20	Mathematics	216	157	373
21	Mathematics, Applied	44	-	44
22	Philosophy	10	11	21
23	Political Science	63	116	179
24	Psychology	16	24	40
25	Rural Science	-	4	4
26	Sociology/Social Work/ Social Science	132	101	233
27	Statistics	35	9	44
28	Statistics/Mathematics	39	218	257
29	Statistics/Mathematics/ Economics	133	233	366
30	Combination of Social Sciences	120	146	266
Total:		4750	4388	9138

TABLE-6C

Statewise and Sectorwise distribution of Vacancies for Social Scientists & Teachers during 1998.

Sl. No.	Name of State	C.G.	S.G.	Q.G.	L.B.	Pvt.	Total	Percentage to total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	4	-	1	-	-	5	0.05
2	Andhra Pradesh	32	211	105	1	207	556	6.08
3	Arunachal Pradesh	1	37	16	-	-	54	0.59
4	Assam	24	38	7	-	1	70	0.77
5	Bihar	27	50	2	-	14	93	1.02
6	Chandigarh	4	38	-	-	-	42	0.46
7	Dadra & Nagar Haveli	2	-	-	-	-	2	0.02
8	Delhi	690	239	201	6	31	1167	12.77
9	Goa, Daman & Diu	-	-	1	-	41	42	0.46
10	Gujarat	25	6	2	367	58	458	5.01
11	Haryana	28	22	66	-	155	271	2.97
12	Himachal Pradesh	9	214	7	-	28	258	2.82
13	Jammu & Kashmir	14	18	-	-	-	32	0.35
14	Karnataka	25	1	120	-	4	150	1.64
15	Kerala	10	153	21	17	1	202	2.21
16	Lakshadweep	-	1	-	-	-	1	0.01
17	Madhya Pradesh	38	33	16	-	24	111	1.21
18	Maharashtra	798	187	547	299	1118	2949	32.27
19	Manipur	1	83	-	-	-	84	0.92
20	Meghalaya	7	71	24	-	-	102	1.12
21	Mizoram	-	11	-	-	-	11	0.12
22	Nagaland	5	25	-	-	-	30	0.33
23	Orissa	8	3	2	-	-	13	0.14
24	Pondicherry	3	3	1	-	-	7	0.08
25	Punjab	26	54	2	-	17	99	1.09
26	Rajasthan	20	16	104	-	85	225	2.46
27	Sikkim	3	-	-	-	25	28	0.31
28	Tamil Nadu	69	530	114	8	66	787	8.61
29	Tripura	11	-	-	-	-	11	0.12
30	Uttar Pradesh	44	1046	55	-	38	1183	12.95
31	West Bengal	50	15	18	-	-	83	0.91
32	*Statewise breakup not available	12	-	-	-	-	12	0.13
Total:		1990	3105	1432	698	1913	9138	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-7A (1998)

Vacancies for Miscellaneous Graduates under various sectors by pay-ranges during 1998.

Sl. Types of Vacancies No.	Basic pay upto Rs. 1500 p.m.					
	C.G	S.G.	Q.G.	L.B.	Pvt.	
1	2	3	4	5	6	7
1 Art, Fine		9	5	4	-	2
2 Art, Commercial		37	44	1	-	25
3 Banking		-	-	-	-	17
4 Catering		2	-	-	-	9
5 Cinematography		3	6	1	-	-
6 Company Secretaryship		-	6	-	-	-
7 Film, Direction		-	-	-	-	-
8 Hotel Management		1	2	14	-	2
9 Industrial Management/Business Management & Administration		124	14	195	-	3
10 Interior decoration, display & Designing		-	-	-	-	-
11 Insurance		-	-	-	-	-
12 Journalism		7	1	-	-	-
13 Library Science		20	23	10	-	7
14 Music, Instrumental		-	19	1	-	1
15 Music, Vocal		3	2	-	-	3
16 Museology		-	-	-	-	-
17 Nutrition/Applied Nutrition		-	1	-	-	-
18 Pass-Graduates in Science, Arts & Commerce suitable for office work		679	110	1173	10	80
19 Physical Education		6	2	1	1	31
20 Public Administration		-	-	-	-	-
21 Research Methodology		-	-	-	-	-
22 Sculpture		-	-	-	-	-
23 Secretarial & Commercial work & Practices		-	-	-	-	-
24 Stage Craft & Dramatics		-	1	-	-	-
25 Other Vacancies (Unspecified)		78	41	215	50	1654
Total :		969	277	1615	61	1834

TABLE-7A (1998 Contd...)

Vacancies for Miscellaneous Graduates under various sectors by pay-ranges during 1998.

Sl. Types of Vacancies No.	Basic pay between Rs.1501-2500 per month					
	C.G	S.G.	Q.G.	L.B.	Pvt.	
1	2	8	9	10	11	12
1 Art, Fine		8	26	11	-	31
2 Art, Commercial		1	27	3	1	1
3 Banking		-	-	-	-	2
4 Catering		1	-	-	-	-
5 Cinematography		1	4	1	-	-
6 Company Secretaryship		-	-	1	-	-
7 Film, Direction		-	-	1	-	-
8 Hotel Management		-	11	7	-	-
9 Industrial Management/Business Management & Administration		9	533	101	-	10
10 Interior decoration, display & Designing		-	-	-	-	-
11 Insurance		-	-	-	-	-
12 Journalism		1	2	3	-	1
13 Library Science		13	31	13	2	4
14 Music, Instrumental		-	9	9	-	-
15 Music, Vocal		38	28	4	-	-
16 Museology		-	1	-	-	-
17 Nutrition/Applied Nutrition		-	-	-	-	-
18 Pass-Graduates in Science, Arts & Commerce suitable for office work		394	51	600	6	76
19 Physical Education		36	18	3	-	7
20 Public Administration		-	11	2	-	-
21 Research Methodology		-	-	-	-	-
22 Sculpture		-	-	-	-	-
23 Secretarial & Commercial work & Practices		4	-	-	-	3
24 Stage Craft & Dramatics		-	5	-	-	-
25 Other Vacancies (Unspecified)		682	443	3	-	19
Total :		1188	1200	762	9	154

TABLE-7A (1998 Contd...)

Vacancies for miscellaneous Graduates under various sectors by pay ranges during 1998.

Sl. No.	Types of Vacancies	Basic pay Rs.2501 and above p.m.					Total No. of Cols.
		C.G.	S.G.	Q.G.	L.B.	Pvt.	3 -17
1	2	13	14	15	16	17	18
1	Art, Fine	-	3	1	-	-	100
2	Art, Commercial	6	-	1	-	-	147
3	Banking	-	-	1	-	-	20
4	Catering	-	-	-	-	-	13
5	Cinematography	1	-	1	-	-	17
6	Company Secretaryship	1	-	2	-	-	10
7	Film, Direction	1	2	-	-	-	4
8	Hotel Management	-	1	2	-	1	41
9	Industrial Management/Business Management & Administration	6	10	136	-	1	1142
10	Interior decoration, display & Designing	-	-	-	-	-	-
11	Insurance	-	-	-	-	-	-
12	Journalism	1	6	4	-	-	26
13	Library Science	2	19	11	-	1	156
14	Music, Instrumental	-	-	-	-	-	39
15	Music, Vocal	-	3	-	-	-	81
16	Museology	-	1	-	-	-	2
17	Nutrition/Applied Nutrition	-	-	-	-	-	1
18	Pass-Graduates in Science, Arts & Commerce suitable for office work	84	48	769	31	23	4134
19	Physical Education	-	8	-	-	1	114
20	Public Administration	15	13	4	-	1	46
21	Research Methodology	-	-	-	-	-	-
22	Sculpture	-	1	-	-	-	1
23	Secretarial & Commercial work & Practices	14	3	-	-	-	24
24	Stage Craft & Dramatics	-	5	-	-	-	11
25	Other Vacancies (Unspecified)	27	6	23	101	5	3347
Total :		158	129	955	132	33	9476

TABLE-7B

Vacancies for miscellaneous Graduates according to work experience during 1998.

Sl. No.	Type of vacancies	With Exp.	Without Exp.	Total
1	2	3	4	5
1	Art, Fine	55	45	100
2	Art, Commercial	46	101	147
3	Banking	-	20	20
4	Catering	13	-	13
5	Cinematography	15	2	17
6	Company Secretaryship	4	6	10
7	Film, Direction	4	-	4
8	Hotel Management	37	4	41
9	Industrial Management/Business Management & Administration	1052	90	1142
10	Interior decoration, display & Designing	-	-	-
11	Insurance	-	-	-
12	Journalism	24	2	26
13	Library Science	120	36	156
14	Music, Instrumental	11	28	39
15	Music, Vocal	25	56	81
16	Museology	2	-	2
17	Nutrition/Applied Nutrition	-	1	1
18	Pass-Graduates in Science, Arts & Commerce suitable for office work	1408	2726	4134
19	Physical Education	45	69	114
20	Public Administration	26	20	46
21	Research Methodology	-	-	-
22	Sculpture	1	-	1
23	Secretarial & Commercial work & Practices	11	13	24
24	Stage Craft & Dramatics	11	-	11
25	Other Vacancies (Unspecified)	1928	1419	3347
Total :		4838	4638	9476

TABLE-7C

State-wise and Sector-wise vacancies for miscellaneous Graduates during the year 1998.

Sl.	Name of the State	C.G.	S.G.	Q.G.	L.B.	Pvt.	Total	Percentage to Total
1	2	3	4	5	6	7	8	9
1	Andaman & Nicobar	-	-	-	-	-	-	-
2	Andhra Pradesh	24	513	182	-	164	883	9.32
3	Arunachal Pradesh	1	-	-	-	-	1	0.01
4	Assam	-	7	1	-	-	8	0.09
5	Bihar	50	1	1	-	11	63	0.67
6	Chandigarh	154	10	369	-	-	533	5.63
7	Dadra & Nagar Haveli	-	-	-	-	-	-	-
8	Delhi	583	88	221	1	5	902	9.52
9	Goa, Daman & Diu	-	-	1	-	-	1	0.01
10	Gujarat	1	46	91	49	1545	1702	17.96
11	Haryana	43	22	62	8	8	143	1.51
12	Himachal Pradesh	1	2	3	-	-	6	0.06
13	Jammu & Kashmir	1	7	15	-	-	23	0.24
14	Karnataka	118	2	586	-	6	712	7.51
15	Kerala	2	35	61	-	4	102	1.08
16	Lakshadweep	-	-	-	-	-	-	-
17	Madhya Pradesh	285	548	284	-	7	1124	11.86
18	Maharashtra	147	87	544	144	153	1075	11.35
19	Manipur	-	27	-	-	-	27	0.29
20	Meghalaya	-	-	25	-	50	75	0.79
21	Mizoram	16	21	-	-	-	37	0.39
22	Nagaland	23	16	-	-	-	39	0.41
23	Orissa	-	-	-	-	1	1	0.01
24	Pondicherry	1	4	-	-	-	5	0.05
25	Punjab	8	22	29	-	-	59	0.62
26	Rajasthan	47	9	326	-	1	383	4.04
27	Sikkim	1	4	-	-	-	5	0.05
28	Tamil Nadu	41	1	105	-	59	206	2.17
29	Tripura	3	-	-	-	-	3	0.03
30	Uttar Pradesh	69	140	417	-	5	631	6.66
31	West Bengal	23	24	9	-	-	56	0.59
32	*Statewise breakup not available	699	-	-	-	2	671	7.08
Total:		2315	1606	3332	202	2021	9476	100.00

* Relates mostly to vacancies notified by Railway Recruitment Boards and some vacancies notified to UPSC for which place of duty was not specified.

TABLE-8A

Distribution of vacancies by various Disciplines & Sectors of establishment who notified vacancies during 1998.

Sl. No.	Branches of Study	Central Govt.	Percentage	State Govt.	Percentage	*Quasi Govt.	Percentage
1	2	3	4	5	6	7	8
1	Engineering	3068	32.44	1261	14.89	2165	24.51
2	Technology	121	1.28	96	1.13	43	0.49
3	Agriculture	124	1.31	298	3.52	598	6.77
4	Medicine	1159	12.25	1083	12.79	433	4.90
5	Natural Sciences	681	7.20	1019	12.03	829	9.39
6	Social Sciences & Teaching	1990	21.04	3105	36.67	1432	16.21
7	Misc. Vacancies for Graduates	2315	24.48	1606	18.97	3332	37.73
Total :		9458	28.64	8468	26.65	8832	26.74

* Vacancies in Quasi-Government bodies under Central Govt., and State Govt. have been included under the heading "Quasi-Government" in Column No.7.

TABLE-8A (contd..)

Distribution of vacancies by various Disciplines & Sectors of Establishment who notified the vacancies during 1998.

Sl. No.	Branches of Study	Local Bodies	Percen tage	Private Estts	Percen- tage	Total	Percen- tage
1	2	9	10	11	12	13	14
1	Engineering	89	7.73	605	11.84	7188	21.77
2	Technology	-	-	57	1.11	317	0.96
3	Agriculture	20	1.74	56	1.09	1096	3.32
4	Medicine	128	11.12	195	3.82	2998	9.08
5	Natural Sciences	14	1.22	264	5.17	2807	8.50
6	Social Sciences & Teaching	698	60.64	1913	37.43	9138	27.67
7	Misc. Vacancies for Graduates	202	17.55	2021	39.54	9476	28.70
Total :		1151	3.49	5111	15.48	33020	100.00

* Vacancies in Quasi-Government bodies under Central Govt., and State Govt. have been included under the heading 'Quasi-Government' in Column No. 7.

TABLE-8B (1998)

Distribution of Vacancies for Graduates according to pay ranges during the year 199

Sl. No.	Faculty	Basic pay Rs.1500/- p.m.	Percentage	Basic pay between Rs.1501 to 2500/- p.m.	Percentage	Basic pay Rs.2501 & above p.m.	Percentage	Total of Cols. 3, 5 & 7	Percentage of respective branch of study to Total No. Vacances
1	2	3	4	5	6	7	8	9	10
1	Engineering	2487	18.81	2989	22.27	1712	26.85	7188	21.77
2	Technology	110	0.83	112	0.83	95	1.49	317	0.96
3	Agriculture	205	1.55	607	4.52	284	4.46	1096	3.32
4	Medicine	1314	9.94	945	7.04	739	11.59	2998	9.08
5	Natural Sciences	690	5.22	1542	11.49	575	9.02	2807	8.50
6	Social Sciences & Teaching	3660	27.68	3915	29.17	1563	24.52	9138	27.67
7	Misc. Vacancies for Graduates	4756	35.97	3313	24.68	1407	22.07	9476	28.70
Total :		13222	40.04	13423	40.65	6375	19.31	33020	100.00

TABLE-8C (1998)

Distribution of Vacancies for Graduates according to experience during the year 1998.

Sl. No.	Faculty	With Experience	Percentage	Without Experience	Percentage	Total of Cols. 3 & 5	Percentage to Total
1	2	3	4	5	6	7	8
1	Engineering	5152	26.29	2036	15.17	7188	21.77
2	Technology	214	1.09	103	0.77	317	0.96
3	Agriculture	832	4.25	264	1.96	1096	3.32
4	Medicine	1803	9.20	1195	8.90	2998	9.08
5	Natural Sciences	2007	10.24	800	5.96	2807	8.50
6	Social Sciences & Teaching	4750	24.24	4388	32.69	9138	27.67
7	Misc. Vacancies for Graduates	4838	24.69	4638	34.55	9476	28.70
Total :		19596	59.35	13424	40.65	33020	100.00

TABLE-8D

Distribution of Vacancies by Statewise and Facultywise for the year 1998.

Sl. No.	Name of the State	FACULTY							Total Cols. 3 to 9	Percen- tage to the total
		Engin- eering	Techn- ology	Agric- ulture	Medic- ine	Natu- ral Sc.	Social Sc. & Teach- ing	Misc. Vacan- cies for Gradu- ates		
1	2	3	4	5	6	7	8	9	10	11
1	Andaman & Nicobar	2	-	19	126	4	5	-	156	0.47
2	Andhra Pradesh	431	1	35	57	46	556	883	2009	6.08
3	Arunachal Pradesh	1	-	-	-	38	54	1	94	0.28
4	Assam	44	-	1	4	26	70	8	153	0.46
5	Bihar	260	1	9	23	72	93	63	521	1.58
6	Chandigarh	77	2	3	166	42	42	533	865	2.62
7	Dadra & Nagar Haveli	37	-	-	14	3	2	-	56	0.17
8	Delhi	1404	87	106	1102	617	1167	902	5385	16.31
9	Goa, Daman & Diu	36	-	2	10	7	42	1	98	0.30
10	Gujarat	194	4	7	44	25	458	1702	2434	7.37
11	Haryana	366	37	27	27	59	271	143	930	2.82
12	Himachal Pradesh	3	2	5	3	31	258	6	308	0.93
13	Jammu & Kashmir	72	-	3	12	7	32	23	149	0.45
14	Karnataka	812	6	308	34	97	150	712	2119	6.42
15	Kerala	328	22	75	42	110	202	102	881	2.67
16	Lakshadweep	-	13	-	-	-	1	-	14	0.04
17	Madhya Pradesh	265	3	19	47	82	111	1124	1651	5.00
18	Maharashtra	847	53	133	576	411	2949	1075	6044	18.30
19	Manipur	1	-	-	-	45	84	27	157	0.48
20	Meghalaya	18	-	-	48	30	102	75	273	0.83
21	Mizoram	20	-	-	-	1	11	37	69	0.21
22	Nagaland	15	-	23	3	10	30	39	120	0.36
23	Orissa	47	-	21	7	32	13	1	121	0.37
24	Pondicherry	39	-	5	154	24	7	5	234	0.71
25	Punjab	83	14	5	1	88	99	59	349	1.06
26	Rajasthan	131	1	18	11	124	225	383	893	2.70
27	Sikkim	-	-	9	-	-	28	5	42	0.13
28	Tamil Nadu	131	5	12	42	78	787	206	1261	3.82
29	Tripura	-	-	-	-	-	11	3	14	0.04
30	Uttar Pradesh	833	16	234	344	588	1183	631	3829	11.60
31	West Bengal	676	1	5	92	92	83	56	1005	3.04
32	*Statewise breakup not available	15	49	12	9	18	12	671	786	2.38
Total :		7188	317	1096	2998	2807	9138	9476	33020	100.00

* Relates mostly to vacancies notified by the Railway Service Commissions and some Vacancies notified to UPSC for which place of duty was not specified.

TABLE-8E (1998)

Discipline-wise vacancies notified during 1995, 1997 and 1998.

Sl. No.	Field of Study	Total No. of vacancies notified during		%age increase\ decrease in 1995 over 1997	Total No. of vacancies notified during 1998	%age increase\ decrease over 1995	%age increase\ decrease in 1998 over 1997
		1995	1997				
1	2	3	4	5	6	7	8
1	Engineering	7741	7228	(-) 6.63	7188	(-) 7.14	(-) 0.55
2	Technology	149	257	(+) 72.48	317	(+) 112.75	(+) 23.35
3	Agriculture	1316	1815	(+) 37.92	1096	(-) 16.72	(-) 39.61
4	Medicine	6251	3611	(-) 42.23	2998	(-) 52.04	(-) 16.98
5	Natural Sciences	783	2101	(+) 168.33	2807	(+) 258.49	(+) 33.60
6	Social Sciences & Teaching	7198	6189	(-) 14.02	9138	(+) 26.95	(+) 47.65
7	Misc. Vacancies for Graduates	8723	8821	(+) 1.12	9476	(+) 8.63	(+) 7.43
Total :		32161	30022	(-) 6.65	33020	(+) 2.67	(+) 9.99

TABLE-8F

Discipline-wise out-turn of Graduates/Post-graduates/Diploma during Academic year 1996 & 1997.

Sl. Discipline/ No. Faculty	persons who obtained Degree/ post Graduate/Diploma (Number & Percentage)				Percentage change in 1996 over 1997	
	* 1996	% age to Total	** 1997	% age to Total		
1	2	3	4	5	6	7
1 Engineering	28007	3.12	18448	2.00	(-)	34.13
2 Technology	5360	0.60	6225	0.68	(+)	16.14
3 Agriculture	8862	0.99	10782	1.17	(+)	21.67
4 Medicine	28792	3.21	29360	3.19	(+)	1.97
5 Natural Sciences	114192	12.73	129665	14.08	(+)	13.55
6 Social Sciences & Teaching	325152	36.26	337927	36.69	(+)	3.93
7 Misc. Vacancies for Graduate	386379	43.09	388592	42.19	(+)	0.57
Total :	896744	100.00	920999	100.00	(+)	2.70

* Adjusted to 125 Universities/Institutions to make the data comparable with 1997.

** Based on information received from 125 Universities/Institutions out of a total of 224.

TABLE-8G

Distribution of Vacancies notified according to Branches during 1997 and 1998.

Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
1	Accountancy	289	0.88	290	0.97
2	Accountancy, Chartered	291	0.88	694	2.31
3	Accountancy, Cost & Works	100	0.30	136	0.45
4	Accountancy, Management	11	0.03	22	0.07
5	Actuary	-	-	-	-
6	Aeronautical Engg.	7	0.02	51	0.17
7	Agricultural Bacteriology	6	0.02	4	0.01
8	Agricultural, Botany	58	0.18	45	0.15
9	Agricultural Chemistry	20	0.06	39	0.13
10	Agricultural Engg.	174	0.53	76	0.25
11	Agricultural, Economics	36	0.11	34	0.11
12	Entomology	32	0.10	15	0.05
13	Agricultural Extension	155	0.47	79	0.26
14	Agricultural, Marketing	5	0.02	1	0.00
15	Agricultural, Microbiology	14	0.04	14	0.05
16	Agricultural Meteorology	2	0.00	2	0.01
17	Agricultural Sociology	-	-	1	0.00
18	Agricultural Statistics	8	0.02	13	0.04
19	Agricultural (Unspecified)	46	0.14	800	2.66
20	Agronomy	70	0.21	136	0.45
21	Airconditioning & Refrigeration	6	0.02	16	0.05
22	Aircraft Maintenance	2	0.00	10	0.03
23	Alcohol Technology	-	-	-	-
24	Allopathic Medicine (M.B.B.S.)	379	1.15	516	1.72
25	Anaesthesia	134	0.41	114	0.38
26	Anatomy	15	0.05	12	0.04
27	Animal Nutrition	11	0.04	11	0.04
28	Animal Pathology	18	0.06	7	0.02
29	Anthropology	19	0.06	4	0.01
30	Archaeology	5	0.02	1	0.00
31	Architecture	107	0.32	86	0.29
32	Arch/Civil	119	0.36	4	0.01
33	Archives	2	0.00	-	-
34	Art, Commercial	147	0.45	214	0.71
35	Art, Fine	100	0.30	74	0.25
36	Astronomy	1	0.00	9	0.03
37	Automobile Engg.	47	0.14	76	0.25
38	Ayurvedic	34	0.10	86	0.29
39	Banking	20	0.06	5	0.02
40	Biology	176	0.53	93	0.31

Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
41	Botany	163	0.49	103	0.34
42	Broadcasting & Television	-	-	-	-
43	Cardiology	32	0.10	51	0.17
44	Catering	13	0.04	4	0.01
45	Ceramics	-	-	5	0.02
46	Chemical Engg.	320	0.97	382	1.27
47	Chemical Technology	48	0.15	32	0.11
48	Chemistry	513	1.55	268	0.89
49	Chemistry, Analytical	11	0.03	6	0.02
50	Chemistry, Bio	84	0.25	42	0.14
51	Chemistry, Industrial	85	0.26	20	0.07
52	Chemistry, In-organic	32	0.10	15	0.05
53	Cinematography	17	0.05	8	0.03
54	Civil (including Municipal)	1009	3.06	958	3.19
55	Clinical Pathology & bacteriology)	164	0.50	80	0.27
56	Combination of Natural Science	724	2.19	543	1.81
57	Combination of Social Science	266	0.81	325	1.08
58	Company Secretaryship	10	0.03	-	-
59	Co-operation	35	0.11	29	0.10
60	Dairy Science	7	0.02	19	0.06
61	Dental Surgery	22	0.07	31	0.10
62	Dermatology	11	0.03	5	0.02
63	Dietetics	6	0.02	8	0.03
64	Economics	942	2.85	205	0.68
65	Education Teaching	3407	10.32	1665	5.55
66	Electrical Engg.	1100	3.33	1053	3.51
67	Electronics & Electrical Microwave\Communication (including Radio)	1353	4.10	907	3.02
68	Elect/Mech. Engg.	308	0.93	230	0.77
69	English	399	1.21	388	1.29
70	Engineers Unspecified	434	1.31	1260	4.20
71	Fibre Technology	-	-	-	-
72	Film Direction	4	0.01	8	0.03
73	Fishery	27	0.08	30	0.10
74	Food Technology	41	0.12	28	0.09
75	Forensic Medicine	7	0.02	21	0.07
76	Forestry	41	0.12	16	0.05
77	Forging & Heat Treatment	3	0.01	15	0.05
78	Fuel Technology	-	-	1	0.00
79	General Surgery	77	0.23	131	0.44
80	Geography	205	0.62	74	0.25

Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
81	Geology	54	0.16	119	0.40
82	Geology-Applied	30	0.09	19	0.06
83	Geophysics	33	0.10	12	0.04
84	Glass Technology	6	0.02	9	0.03
85	Gynaecology & Obstetrics	67	0.20	62	0.21
86	Highways & Roads	-	-	-	-
87	Hindi	552	1.67	484	1.61
88	History	267	0.81	80	0.27
89	Homeopathic	6	0.02	5	0.02
90	Home, Domestic Science/ Economics	49	0.15	37	0.12
91	Horticulture	148	0.45	137	0.46
92	Hoisery Technology	2	0.00	-	-
93	Hotel Management	41	0.12	59	0.20
94	Hydraulics & Dam	-	-	14	0.05
95	Industrial Management/ Business Manag. & Adm.	1142	3.46	535	1.78
96	Instrument Engg.	50	0.15	52	0.17
97	Insurance	-	-	-	-
98	Interior Decoration Display & designing	-	-	39	0.13
99	Intermediate & Dyes	-	-	-	-
100	Internal Combustion	29	0.09	4	0.01
101	Journalism	26	0.08	21	0.07
102	Jute Technology	-	-	2	0.01
103	Labour/Social Welfare	13	0.04	13	0.04
104	Land Development	2	0.00	-	-
105	Languages	378	1.15	87	0.29
106	Laryngology & Otolaryngology	15	0.05	6	0.02
107	Law	362	1.10	699	2.33
108	Leather Technology	5	0.02	5	0.02
109	Library Science	156	0.47	160	0.53
110	Literature	20	0.06	15	0.05
111	Machine Tools & Die Sinking	23	0.07	6	0.02
112	Malariology & Communicable Diseases	-	-	15	0.05
113	Marine Engg.	32	0.10	43	0.14
114	Mathematics	373	1.13	338	1.13
115	Mathematics Applied	44	0.13	9	0.03
116	Mechanical Engg.	1248	3.78	1390	4.63
117	Mech./Matallurgical Engg.	157	0.48	60	0.20
118	Medical Bio-Chemistry	10	0.03	4	0.01
119	Medical Radiology & Electrology	65	0.20	46	0.15
120	Medical Specialist (MD/Ph.D) unspecified	289	0.88	542	1.81

Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
121	Metallurgical Engg.	130	0.39	110	0.37
122	Maternity Child Welfare & Health	2	0.00	-	-
123	Meteorology	2	0.00	-	-
124	Microbiology (Medical)	73	0.22	42	0.14
125	Microbiology (Science)	39	0.12	16	0.05
126	Mining	67	0.20	93	0.31
127	Music Instrumental	39	0.12	2	0.01
128	Music, Vocal	81	0.29	33	0.11
129	Museology	2	0.00	1	0.00
130	Mycology & Plant Pathology	7	0.02	3	0.01
131	Naval Architecture	4	0.01	2	0.01
132	Nursing	814	2.47	887	2.95
133	Nutrition/Applied Nutrition	1	0.00	17	0.06
134	Occupational Therapy	265	0.80	175	0.58
135	Oceanography	10	0.03	17	0.06
136	Office work	4134	12.52	6321	21.05
137	Oil, Fats & Waxes	-	-	-	-
138	Ophthalmic Medicine and Surgery	18	0.06	11	0.04
139	Orthopaedic Surgery	57	0.17	29	0.10
140	Paediatrics	58	0.18	69	0.23
141	Paints, Pigments & Varnishes	1	0.00	-	-
142	Paper Technology	5	0.02	-	-
143	Petroleum Technology	5	0.02	-	-
144	Pharmaceutical & Fine Chemicals	7	0.02	4	0.01
145	Pharmacology, Medical	107	0.32	147	0.49
146	Pharmacy	141	0.43	379	1.26
147	Philosophy	21	0.06	4	0.01
148	Physical Education	114	0.35	69	0.23
149	Physiology (Medicine)	8	0.02	23	0.08
150	Physiotherapy	21	0.06	14	0.05
151	Physiology (Science)	9	0.03	25	0.08
152	Physics	340	1.03	446	1.49
153	Physics Applied	19	0.06	25	0.08
154	Physics, Bio	3	0.01	3	0.01
155	Physics, Chemistry & Math.	269	0.82	119	0.40
156	Physics, Mathematics	55	0.17	93	0.31
157	Physics, Nuclear	25	0.08	31	0.10
158	Plant Breeding & Genetics	47	0.14	30	0.10
159	Plant Pathology	27	0.08	19	0.06
160	Plant Physiology	34	0.10	7	0.02

Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
161	Plastic Technology	2	0.00	10	0.03
162	Political Science	179	0.54	32	0.11
163	Poultry Farming	7	0.02	14	0.05
164	Printing Technology	68	0.21	17	0.06
165	Preventive & Social Medicine	9	0.03	17	0.06
166	Production Engg.	139	0.42	56	0.19
167	Psychiatry	16	0.05	31	0.10
168	Psychology	40	0.12	67	0.22
169	Psychology Medical	18	0.06	37	0.12
170	Public Administration	46	0.14	18	0.06
171	Public Health Engg.	6	0.02	5	0.02
172	Public Health (Medicine)	18	0.06	3	0.01
173	Research Methodology	-	-	-	-
174	Rubber Technology	2	0.00	-	-
175	Rural Science	4	0.01	3	0.01
176	Sanitary Science	2	0.00	8	0.03
177	Sculpture	1	0.00	-	-
178	Secretarial & Commercial Works & Practices	24	0.07	1	0.00
179	Silicate Technology	-	-	-	-
180	Sociology/Social Work/Social Science	233	0.71	224	0.75
181	Stage Craft & Dramatics	11	0.03	-	-
182	Soil Mechanic & Foundation	2	0.00	6	0.02
183	Soil Science	73	0.22	31	0.10
184	Sound Engg.	4	0.01	209	0.70
185	Spectroscopy	-	-	1	0.00
186	Statistics	44	0.13	74	0.25
187	Statistics Mathematical	257	0.78	127	0.42
188	Stats/Maths/Economics	366	1.11	92	0.31
189	Structural Engg.	30	0.09	37	0.12
190	Sugar Technology	3	0.01	9	0.03
191	Tele-Communication/Line Communication Engg.	247	0.75	6	0.02
192	Textile Chemistry	8	0.02	1	0.00
193	Textile Dyeing and Printing	2	0.00	60	0.20
194	Textile Technology	20	0.06	27	0.09
195	Technological other (unspecified)	92	0.28	47	0.16
196	Tool Engg.	23	0.07	3	0.01
197	Town & Country Planning	8	0.02	8	0.03
198	Tropical Medicine	-	-	-	-
199	Tubercular Diseases	26	0.08	3	0.01
200	Unani Medicine	9	0.03	1	0.00
		75			

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Sl. No.	Type of Vacancies	1998		1997	
		No. of Vacancies notified	Percentage to total	No. of Vacancies notified	Percentage to total
1	2	3	4	5	6
201	Vacancies Unspecified	3347	10.14	1232	4.10
202	Venereology	3	0.01	-	-
203	Veterinary Science & Animal Husbandry	144	0.44	268	0.89
204	Warehousing	10	0.03	4	0.01
205	Water Conservation	6	0.02	7	0.02
206	Wood Technology	-	-	-	-
207	Zoology	130	0.39	7	0.25
TOTAL		33020	100.00	30022	100.00

Table-9 (1998-1999)

Types of posts for which suitable candidates could not be found by the UPSC as a result of advertisement and interview during the year 1998-99.

Sl. No.	Name, category and nature of posts (with pay scale in Rs.)	Classification		Total No of Posts	Reser-ved	Unres-erved
		Group A	Group B			
1.	2.	3.	4.	5.	6.	7.
ACCOUNTANCY						
1.	Assistant Director (Cost), (Rs. 2200-4000), (Pre-Revised)	2	-	2	2	-
ARCHITECTURE						
2.	Deputy Architecture, (Rs. 2200-4000), (Pre-Revised)	2	-	2	-	2
3.	Principal, College of Architecture, (Rs. 6300-7300), (Pre-Revised)	1	-	1	-	1
4.	Assistant Architecture, (Rs. 2000-3500), (Pre-Revised)	-	2	2	1	1
ARCHIVAL SCIENCE						
5.	Senior Epigraphical Asstt., (Sanskrit Inscription), (Rs. 1640-2900), (Pre-Revised)	-	5	5	1	4
6.	Senior Epigraphical Asstt., (Arabic and Persian), (Rs. 5500-9000)	-	2	2	-	2
7.	Assistant Archaeologist, (Rs. 1640-2900), (Pre-Revised)	-	5	5	5	-

1.	2.	3.	4.	5.	6.	7.
8.	Assistant Archivist, (Rs. 1640-2900), (Pre-Revised)	-	1	1	-	1
ART						
9.	Director, National Gallery of Modern Art, (Rs. 3000-5000), (Pre-Revised)	1	-	1	-	1
10.	Training Officer, (Embroidery), (Rs. 6500-10500), (Pre-Revised)	-	1	1	-	1
ENGINEERING						
11.	Asstt. Director of Training, (Rs. 2200-4000), (Pre-Revised)	2	-	2	1	1
12.	Lecturer, (Computer Engineering), (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
13.	Deputy Director, Mines Safety (Electrical), (Rs. 3700-5000), (Pre-Revised)	1	-	1	1	-
14.	Lecturer, (Mechanical Engineering), (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
15.	Airworthiness Officer, (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
16.	Assistant Director, (Mechanical), (Grade-I), (Rs. 2200-4000), (Pre-Revised)	2	-	2	2	-

1.	2.	3.	4.	5.	6.	7.
17.	Mechanical Marine Engineer, (Rs. 10000-15200)	1	-	1	1	-
18.	Examiner of Patents and Designs, (Electronics/Telecommunication), (Rs. 8000-13500)	1	-	1	1	-
19.	Assistant Professor in Electronics and Electrical Communication Engineering (Rs. 3700-5700), (Pre-Revised)	1	-	1	1	-
20.	Lecturer in Civil Engg. (Construction Management), (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
21.	Lecturer, (Electrical Engineering), (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
22.	Professor, (Mechanical Engineering), (Rs. 4500-7300), (Pre-Revised)	1	-	1	-	1
23.	Professor in Civil Engg., (Technical), (Rs. 14300-22400)	1	-	1	-	1
24.	Small Industry Promotion Officer, (Electrical), (Rs. 1640-2900), (Pre-Revised)	-	1	1	1	-

1.	2.	3.	4.	5.	6.	7.
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FISHERIES SCIENCE

25.	Chief Engineer, Grade-II, (Rs. 2375-3500), (Pre-Revised)	-	1	1	1	-
26.	Junior Fishing Gear Technologist, (Rs. 1640-2900), (Pre-Revised)	-	1	1	1	-

LANGUAGE

27.	Assistant Foreign Language Examiner, (Israeli/Hebrew), (Rs. 2200-4000), (Pre-Revised)	1	-	1	-	1
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LEGAL

28.	Deputy Legal Adviser, Grade-III, (Rs. 3700-5000), (Pre-Revised)	1	-	1	1	-
29.	Central Govt. Advocate, (Rs. 14300-18300),	1	-	1	1	-
30.	Public Prosecutor, (Rs. 2375-3500), (Pre-Revised)	-	2	2	2	-
31.	Examiner of Trade Marks, (Rs. 2000-3500), (Pre-Revised)	-	1	1	1	-

1.	2.	3.	4.	5.	6.	7.
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LIBRARY SCIENCE

32.	Principal Library and Information Officer (Librarian), (Rs. 4500-5700), (Pre-Revised)	1	-	1	1	-
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LINGUISTICS

33.	Evaluator (Correspondance Course), (Rs. 1640-2900), (Pre-Revised)	-	2	2	2	-
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MEDICAL

34.	Assistant Director, (Microbiologist/Bacteriologist), Grade-II, (Rs. 3000-5000), (Pre-Revised)	1	-	1	1	-
35.	Assistant Director, (Pathology), (Rs. 3000-5000), (Pre-Revised)	2	-	2	2	-
36.	Medical Officer, (Rs. 2200-4000), (Pre-Revised)	13	-	13	8	5
37.	Specialist (Chest Physician) Grade-II, (Rs. 3000-5000), (Pre-Revised)	1	-	1	1	-
38.	Assistant Professor, (Radio Diagnosis), (Rs. 3000-5000), (Pre-Revised)	3	-	3	1	2

1.	2.	3.	4.	5.	6.	7.
39.	Assistant Professor, (Physiology), (Rs. 3000-5000), (Pre-Revised)	1	-	1	1	-
40.	Dental Surgeon, Grade-II, (Rs. 2200-4000), (Pre-Revised)	1	-	1	-	1
41.	Associate Professor, (Neurology), Grade-II, (Rs. 12000-16500)	1	-	1	1	-
42.	Associate Professor, (Paediatrics), Grade-II, (Rs. 10000-15200)	1	-	1	1	-
43.	Assistant Professor, (T.B. and Chest Diseases), Grade-II, (Rs. 10000-15200)	1	-	1	-	1
44.	Associate Professor, (Paediatrics Surgery), Grade-II, (Rs. 12000-16500)	1	-	1	-	1
45.	Assistant Professor, (Public Health), Grade-II, (Rs. 10000-15200)	1	-	1	1	-
46.	Gastroenterologist, Grade-II, (Rs. 3700-5000), (Pre-Revised)	2	-	2	-	2
47.	Endocrinologist, Grade-II, (Rs. 3700-5000), (Pre-Revised)	1	-	1	-	1

1.	2.	3.	4.	5.	6.	7.
48.	Senior Cardiologist, Grade-I, (Rs. 14300-18300)	1	-	1	1	-
49.	General Duty, (Medical Officer), (Rs. 2200-4000), (Pre-Revised)	15	-	15	15	-
50.	Urologist, Grade-II, (Rs.12000-16500)	1	-	1	1	-
51.	Cardiologist/Physician, (Cardiology), (Rs. 3700-5000), (Pre-Revised)	3	-	3	3	-
52.	Assistant Professor, (Obstetrics and Gynaecology), Grade-II, (Rs. 3700-5000), (Pre-Revised)	1	-	1	1	-
53.	Obstetrics and Gynaecology, Grade-II, (Rs. 3700-5000), (Pre-Revised)	1	-	1	1	-
54.	E.N.T. Specialist, Grade-II, (Rs. 3700-5000), (Pre-Revised)	2	-	2	2	-
55.	Associate Professor, (Cardio-Thoracic Surgery), (Rs. 12000-16500)	1	-	1	1	-
56.	Surgeon/Assistant Director, (Surgery), (Rs. 3000-5000), (Pre-Revised)	1	-	1	1	-

1.	2.	3.	4.	5.	6.	7.
57.	Specialist in Radio Diagnosis, Grade-II, (Rs. 3000-5000), (Pre-Revised)	10	-	10	7	
58.	Dermatologist Grade-II, (Rs. 10000-15200)	1	-	1	1	
59.	Plastic Surgeon, Grade-II, (Rs. 12000-16500)	13	-	13	7	
60.	Anaesthetist, Grade-II, (Rs. 3000-5000), (Pre-Revised)	1	-	1	1	
61.	Associate Professor, (Neuro-Surgery), Grade-II, (Rs. 12000-16500)	1	-	1	1	
62.	Associate Professor, (Surgery), Grade-II, (Rs. 10000-15200)	1	-	1	1	
63.	Assistant Professor, (Pharmacology), Grade-II, (Rs. 10000-15200)	1	-	1	1	
64.	Specialist in Physical Medicine and Rehabilitation/ Assistant Director (Rehabilitation), Grade-II, (Rs. 10000-15200)	1	-	1	1	

1.	2.	3.	4.	5.	6.	7.
65.	Assistant Professor, (Medicine), Grade-II, (Rs. 10000-15200)	1	-	1	1	-
66.	Neuro-Surgeon, Grade-II, (Rs. 3700-5000), (Pre-Revised)	1	-	1	1	-
67.	Assistant Professor, (Pathology), Grade-II, (Rs. 10000-15200)	2	-	2	2	-
68.	Public Health Specialist, Grade-II, (Rs. 10000-15200)	6	-	6	6	-
NAVIGATION						
69.	Nautical Surveyor, (Rs. 3700-5000), (Pre-Revised)	2	-	2	2	-
70.	Chief Instructor, (Seamanship and Navigation), (Rs. 3000-4500), (Pre-Revised)	1	-	1	-	1
71.	Nautical Officer, (Rs. 3700-5000), (Pre-Revised)	8	-	8	8	-
72.	Director (Ports), (Rs. 12000-16500)	1	-	1	-	1

1.	2.	3.	4.	5.	6.	7.
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SCIENTIFIC AND TECHNICAL

73.	Assistant Director, (Storage and Research), (Rs. 2200-4000), (Pre-Revised)	1	-	1	-	1
74.	Air Safety Officer, (Engineering), (Rs. 2200-4000), (Pre-Revised)	2	-	2	1	1
75.	Programmer, (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
76.	Deputy Director, (Development), (Rs. 3000-4500), (Pre-Revised)	1	-	1	1	-
77.	Assistant Professor in Applied Science (Maths), (Rs. 3700-5700), (Pre-Revised)	1	-	1	1	-
78.	Deputy Director(Explosive), (Rs. 3700-5000), (Pre-Revised)	1	-	1	-	1
79.	Director General, (Rs. 24050-26000)	1	-	1	-	1
80.	Deputy Controller, (Explosive), (Rs. 2200-4000), (Pre-Revised)	5	-	5	2	3

1.	2.	3.	4.	5.	6.	7.
81.	Assistant Director of Training, (Rs. 2200-4000), (Pre-Revised)	1	-	1	1	-
82.	Civil Hydrographic Officer, (Rs. 2000-3500), (Pre-Revised)	-	1	1	1	-
83.	Data Processing Asstt, Grade-B, (Rs. 2000-3200), (Pre-Revised),	-	1	1	1	-
84.	Small Industry Promotion Officer (Chemical), (Rs. 5500-9000)	-	2	2	2	-
85.	Senior Technical Assistant (Credit), (Rs. 1640-2900), (Pre-Revised)	-	1	1	-	1
STORE						
86.	Barrack Stores Officer, (Rs. 2000-3500), (Pre-Revised)	-	1	1	-	1
TEACHING						
87.	Assistant Professor, (English), (Rs. 12000-18000)	1	-	1	-	1
88.	Lecturer in Tamil, (Rs, 2200-4000), (Pre-Revised)	2	-	2	2	-

1.	2.	3.	4.	5.	6.	7.
89.	Professor (Mathematics), (Rs. 14300-22400)	1	-	1	-	1
90.	Assistant Professor, (Mathematics), (Rs. 12000-18000)	1	-	1	1	-
91.	Master Gazetted, (Political Science), (Rs. 2000-3200), (Pre-Revised)	-	1	1	1	-
92.	Training Officer, (Architectural Assistant), (Rs. 6500-10500)	-	1	1	1	-
GRAND TOTAL		151	32	183	132	51

TABLE-10

Vacancies which could not be filled by State Public Service Commission and Railway Recruitment Boards for want of suitable applicants during the year, 1997-1998.

Sl. No.	Designation of the post and Scale of Pay	No. of Posts	Reser- vation if any	Qualification and experience required
1.	2.	3.	4.	5
I. ENGINEERING AND TECHNOLOGY				
1.	Service Engineer, (Rs. 6350-13000)	2	ST : 1 OBC : 1	B.E. In (Mechanical, with Automobile Engineering) as one of the subject. One year Apprenticeship in Automobile workshop.
2.	Assistant Engineer (Rs. 2600-5580)	9	SC : 1 ST : 7 BC : 1	B.E. in Civil/Mechanical/ LCE/LME/LAE/LSF/D.C.E.
3.	Deputy Town Planner, Class-I, Rs. (10000-15200)	6	SC : 1 ST : 5	B.E. in Architecture/ Civil Engineering. Diploma in City/ Town/ Regional Planning. 5 years experience in Town Planning.
4.	Deputy Town Planner, Class-II, Rs. (8000-14050)	4	ST : 4	B.E. in Architecture/ Civil Engineering. Diploma in City/ Town/ Regional Planning. 3 years experience in Town Planning.
5.	Assistant Town Planner, Class-II, Rs. (8000-13500)	1	ST : 1	B.E. in Architecture/ Civil Engineering. Diploma in City/ Town/ Regional Planning.
6.	Agriculture Engineering and Technical Officer, Class-II, (Rs. 8000-13500)	1	ST : 1	B.E. in Agriculture Engineering/ Technology.
7.	Professor of Production Engineering Class-I, (Rs. 4500-7300)	1	SC : 1	B.E. (1st class in Production/ Industrial/Mechanical Engg.) with 10 years experience in Teaching/ Industrial Research.
8.	Lecturer in Electronics & Telecommunication Engg. (Rs. 2200-4000 + 200 s.p.) (Pre-Revised)	1	ST : 1	B.E in Electronics and Teleco- mmunication Engg., with 2 year's teaching/Professional expericne in Govt./Semi-Govt.
9.	Lecturer in Computer Application/Programming (Rs. 2200-4000 + 200 s.p.)	1	ST : 1	Bachelor's degree in Computer Engg./ Electronic Engg. with Diploma in computer application of minimum one year duration.
10.	Head of Department in the Instrumentation Engg. (Rs. 12000-16350)	1		Ist class Master Degree in Instru- mentation Engg./Technology with 5 year's experience in teaching.

1.	2.	3.	4.	5.
11.	Head of Department in the 1 Elect. & Telecommunication Engineering. (Rs. 3700-5700+200 s.p.)		SC : 1	B.E in Electrical and Telecommu- nication/Electrical Engg. with 5 years teaching/Professional experience.
12.	Craft Instructor, (Electrician Trade), (Rs. 1850-2925)	2	SC : 2	Matric with Maths and Science and National Trade Certificate in the concerned trade.
13.	Lecturer in Heat Power Technology.	1	ST : 1	1st class Bachelor's degree in Heat Power Engineering/Technology.
14.	Junior Programmer	2	SC : 1 ST : 1	B.E in Computer Engineering/ Degree in Computer Science/PCM with one year experience in Programming.
15.	Lecturer in Elastic Technology	1	SC : 1	Degree in Plastic Technology/ Engineering. Must have qualified in GATE.
16.	Lecturer in Ceramic	1	SC : 1	Degree in Ceramic of Engineering/ Technology.
17.	Junior Town Planner, (Rs. 2000-3500)	2.	ST : 1	B.E in Architecture/Civil Engg & Degree/Diploma in regional/Town planning, with 2 year's experience in Town planning.
18.	Associate Professor in Computer Science , Class-I, (Rs. 3700-5700)	1	UR : 1	MCA/M.Tech.(Computer). Ph ^D in relevant field. 5 year's teaching/consultancy/ Professional Experience.
19.	Assistant Town Planner, (Rs. 2200-4000)	1	ST : 1	Degree in Regional/Town Planning. With 3 year's experience in planning or in Architectural office.
20.	Deputy Controller Printin 2 & Stationery Deptt. (Rs. 2400-4000)		SC : 2	Holds a Licenciante/Advanced Diploma in Printing Technology with adminis- trative experience of 5 year's.
21.	HOD Chemical Engg. (Rs. 12000-16350)	1		1st class Master's Degree in Chemical Engg./Technology/Technician Education, with 5 year's teaching/Professional.
22.	Lecturer Computer Engg. (Rs. 7880-13500)	4	SC : 2 ESM : 1	1st class B.E. in (Computer Engg.)
23.	Lecturer Production Engg. 1 (Rs. 7880-13500)			1st class B.E. in (Production Engg.)
24.	Programmer, (Rs. 7220-11660)	3.	SC : 2 ESM : 1	1st class B.E. in (Computer Engg.)
25.	Senior Lecturer, (Chemical Engineering), (Rs. 10025-15100)	2	SC : 1	1st Class B.E in (Chemical Engg.) With 5 year's teaching/Professional experience.

1.	2.	3.	4.	5.
26.	Deputy Shop Superintenden (Mechanical) (Rs. 2000-3200)	6	ST : 6	B.E in Mechanical Engg.
27.	Trainee Chargeman, (Mechanical), (Rs. 1400-2300)	11	SC : 2 ST : 4	Diploma in Mechanical Engg.

**II. AGRICULTURAL & VETERINARY SCIENCE
(INCLUDING TEACHING)**

28.	Soil Survey Officer, (Rs. 10000-15200)	1	ST : 1	Master's Degree in Agriculture With specialisation in Soil Science/ Degree in Agriculture Chemistry with 5 years field experience in India's Soil Survey.
29.	Veterinary Doctor, (Rs. 2200-4000), (Pre-Revised)	7	SC : 4 ST : 3	M.V. Sc. & A.H/B.V. Sc & A.H.
30.	Deputy Dairy Commissioner (Rs. 3000-4500) (Pre-Revised)	1	ST : 1	B.Sc Dairying from recognised Institution, with 8 year's administrative experience.
31.	Manager, Milk Scheme, (Rs. 2200-4000), (Pre-Revised)	3	ESM : 2 ST : 1	M.Sc Dairying/B.Sc. Dairying from recognised Institution with working experience in Milk processing Plant/Dairy Developmen/Dairy extension.

III. MEDICAL (INCLUDING TEACHING)

32.	Assistant Professor of Radiology, (Rs. 3000-5000)	5	SEBC: 1 ST : 1	MBBS and Post-Graduate Degree in Radiology.
33.	Resident Medical Officer, (Ayurved), (Rs. 2200-4000)	4	SEBC: 2 ST : 1	Degree in Ayurved & 3 year's experience in Ayurvedic system of Medicine of a Hospital run on Ayurvedic system.
34.	Physician, Class-I, (Rs. 10000-15200)	71	SEBC: 21 ST : 9	M.B.B.S. & M.D. (Gen. Medicine).
35.	Paediatrician, Class-I, (Rs. 10000-15200)	58	SEBC: 10 SC : 4 ST : 4	M.B.B.S. & M.D. (Paediatrician).
36.	E.N.T. Surgeon, Class-I, (Rs. 10000-15200)	5	SEBC: 1 ST : 2	M.B.B.S. & M.S. (E.N.T.)

1.	2.	3.	4.	5.
37.	Gynaecologist, Class-I, (Rs. 10000-15200)	110	SEBC: 20 SC : 3 ST : 10	M.B.B.S & M.D (O & G)
38.	Assistant Professor, (Urology)	4	SEBC: 1 SC : 1	M.Ch. (Urology)
39.	Assistant Professor, (E.N.T.)	6	SEBC: 1 SC : 1	M.S. (Oto-Rhino Laryngology)
40.	Tutor in Community, Dentistry	4	ST : 1	B.D.S.
41.	Addl. Dist. Health Officer/Dist. Immunisation Officer	17.	SEBC: 3 ST : 2	Degree in Medicine
42.	Lecturer, Gujarat Nursing Service	2	SEBC: 1	Master Degree in Nursing with 8 year's Teaching experience.
43.	Lecturer, Gujarat Nursing Service	4	SEBC: 1	Master Degree in Nursing with 5 year's Teaching experience.
44.	Radiologist, G.H.S., Class-I	12	SEBC: 2 SC : 1 ST : 2	M.B.B.S. & Post graduate degree in Radiology.
45.	Assistant Professor of Physiology, G.H.S, Class-I	1	ST : 1	M.D. (Physiology) or M.B.B.S with M.Sc. (Physiology).
46.	Assistant Professor of Prosthetic Dentistry	1	ST : 1	B.D.S/M.D.S/M.S.
47.	Professor of C.T. Surgery	2		M.Ch. (Thorasic Surgery) with 4 year's teaching experience as an Assistant Professor.
48.	Professor of Dentistry	1		M.B.B.S. with M.D.S., with 4 year's experience as an Assistant Professor.
49.	Medical Officer (Dental), (Rs. 2250-4000)	5	SC : 2 ST : 1 SC.XSM:1 ST.XSM:1	A recognised degree of Bachelor of Dental service (Recognised by the Dental Council of India).
50.	Senior Ayurvedic Chikitsak (Rs. 2100-3700)	1	ST : 1	M.D. (Ayurveda) of at least 3 years duration in Kayachikitsa/Balroga/ Prasuti Tantra etc. from recognised Institution.

1.	2.	3.	4.	5.
51.	Lecturer in Pharmacy, (Rs. 2200-4000+200 s.p.)	2	SC : 1 ST : 1	At least Master degree in Pharmacy from recognised University.
52.	Homeopathic Doctor, (Rs. 2130-3700)	1	SC : 1	Should have passed Mstriculation from recognised Board. The candidate must possess 5 and half year's degree in Homeopathy from a recognised institution.
53.	Central Sterlization Supply Technician (Rs. 1365-2410)	1	ST : 1	Matric/Hr. Sec., Part-I, with one year training of operation Theatre Asstt. from recognised Institution.
54.	Ayurvedic Chikitsa Adhikaris (Rs. 2130-3700)	38	SC : 14 SC.XSM:2 ST : 21 ST.XZSM:1	Matric or equivalent from recognised Board by H.P. Recognised degree in Ayurveda of not less 5 year's duration from a recognised university/Board established by law.
55.	Dental Hygienist (Rs. 1365-2410)	1	ST : 1	Matric with Science, Duly registered as Dental Hygienist from recognised Council/Tribunal.
56.	Dental Mechanic, (Rs. 1365-2410)	5	SC : 2 ST : 3	Matric with Science, Duly registered as Dental Mechanic from recognised registration Council/Tribunal.
57.	Professor in Homeopathy	4	SC : 1 ST : 1	Must possess a degree in Homeopathy from the recognised University. With 10 year's experience of teaching in Homeopathy college.
58.	Lecturer in Homeopathy	2	SC : 1 ST : 1	Must possess a degree/4 year's Diploma in Homeopathy from the recognised University
59.	Lecturer in Unani	3	SC : 2 ST : 1	Must be holder of Degree/Diploma with 4 year's training in Unani of a University
60.	Junior Chemist (Rs. 1900-3700)	1	ST : 1	A Degree in Pharmacy. Preference shall be given to persons having experience in analysing Drugs & Cosmetics.
61.	Insurance Medical Officer in Class-II of Orissa E.S.I., Medical Service (Rs. 2000-3500)	65	SC : 10 ST : 14 SEBC: 18	Must be a Medical graduate from recognised University in the Indian Union or abroad and must have registered himself/herself under the Orissa Medical registration Act, 1961.
62.	Junior Teaching Posts (Lecturer in Cardiology), (Rs. 2200-4000)	3	SC : 1 ST : 1	Post Graduate Degree in the concerned speciality with one year experience as Asstt. Surgeon under State Govt.

1.	2.	3.	4.	5.
63.	Junior Teaching Posts (Lecturer in S.P.M.), in Class-II of O.M.E.S. (Rs. 2200-4000)	2	ST : 1	Post Graduate Degree in the concerned speciality with one year experience as Asstt. Surgeon under State Govt.
64.	Junior Teaching Posts (Lecturer in Surgical Gastroenterology in Class-II, of the OMES. (Rs. 2200-4000)	1	ST : 1	-Do-
65.	Junior Teaching Posts (Lecturer in F.M.T. in Class-II, of the OMES. (Rs. 2200-4000)	1	ST : 1	-Do-
66.	Junior Teaching Posts (Lecturer in Surgery) in Class-II, of the OMES. (Rs. 2200-4000)	1	ST : 1	-Do-
67.	Junior Lecturer in Pharmacology, (Rs. 2200-4000)	7	SC : 2 ST : 1 SEBC: 1	-Do-
68.	Junior Lecturer in Physiology, (Rs. 2200-4000)	17	SC : 3 ST : 4 SEBC: 5	-Do-
69.	Junior Lecturer in Pathology, (Rs. 2200-4000)	3	ST : 1 SEBC: 1	-Do-
70.	Junior Lecturer in Microbiology, (Rs. 2200-4000)	3	ST : 1 SEBC: 1	-Do-
71.	Junior Lecturer in Anaesthesiology, (Rs. 2200-4000)	7	SC : 2 ST : 2 SEBC: 1	-Do-
72.	Clinical Psychologist, (Rs. 2000-3500)	2	ST : 1	A Candidate must possess 2nd class M.A/M.Sc. Degree in Psychology from any recognised University. 2 years M.Phil/2 year's Diploma in Medical & Social Psychology, with teaching experience.
73.	Lecturer Pharmacy, (Rs. 7880-13500)	1	FF	M. Pharma in Pharmaceutical Chemistry/Pharmaceutics/Pharmacology. Ist class B.Pharma with 3 year's teaching experience.

1.	2.	3.	4.	5.
74.	Clinical Psychologist, (Rs. 2200-4000)	2	SC : 1	M.A Psychology. Diploma in Clinical Psychology/Diploma in Medical Social Psychology with 3 year's experience in Teaching.
75.	Lecturer Bio-Chemistry, (Rs. 2200-4000)	1	SC : 1	M.B.B.S. preference in the case of Bio-Chemistry. Must possess at least 2 year's teaching experience as Demonstrator/Registrar.
76.	Professor Clinical Pathology, (Rs. 4500-7300)	1		M.D, M.S, Ph.D, D.Sc., FRCS, MRCP in the speciality concerned With teaching experience as Asstt. Professor.
77.	Professor Plastic Surgery (Rs. 4500-7300)	1		M.Ch (Plastic Surgery) with teaching experience as Asstt. Professor.
78.	Professor Anatomy, (Rs. 4500-7300)	1	SC : 1	M.D, M.S, Ph.D, D.Sc., FRCS, MRCP in the speciality concerned With teaching experience as Asstt. Professor.
79.	Professor Orthopaediatric (Rs. 4500-7300)	1	SC : 1	-Do-
80.	Assistant Professor Cardiothresic Surgery, (Rs. 3700-5700)	1	SC : 1	M.Ch in the Speciality concerned 3 year's experience in the subject concerend as Senior Lecturer after Post graduation.
81.	Resident Medical Officer Gujarat Ayurved Service (Rs. 2200-4000)	4	SEBC: 2 ST : 1	Degree in Ayurved With 3 year's experience in Ayurvedic system of Medicine of a hospital run on Ayurvedic system.
82.	Professor, Gujarat Ayurved Service (Rs. 12000-18000)	3	SC : 1 ST : 2	Post graduate degree of a recognised Ayurvedic Institution With 5 year's teaching experience.
83.	Assistant Professor of Anatomy (Rs. 10000-15000)	7	SEBC: 3	M.S (Anatomy)/MBBS with M.Sc. (Anatomy)/D.Sc (Medical Anatomy).
84.	Professor of Cardiology	1		D.M (Cardiology).
85.	Assistant Professor of Ophthalmology	2	ST : 2	M.S (Ophthalmology).
86.	Associate Professor of Microbiology	5	SC : 1	M.D (Bacteriology)/M.D (Microbiology) M.D (Bacteriology with Pathology) M.B.B.S with M.Sc (Medical). 5 years experience as Asstt. Professor.
87.	Tutor in General Pathology	1	ST : 1	MBBS and Post-Graduate Degree in Pathology.

1.	2.	3.	4.	5.
88.	Professor of Urology	1		M.Ch (Urology) from a University with 4 years experience of teaching as an Associate Professor in Urology in a Medical College.
89.	Assistant Professor in E.N.T.	6	SEBC:1 SC : 1	M.S. Oto-Rhino-Laryngology from a University.
90.	Professor in E.N.T. (Rs. 14300-22400)	3	SEBC:1	M.S. Oto-Rhino-Laryngology from a University. with 9 years teaching experience as Associate Professor.
91.	Tutor in oral Diagnosis & Dental Radiology. (Rs. 8000-13500)	1	ST : 1	B.D.S. Degree of a statutory University. Previous teaching experience.
92.	Professor of Burns & Plastic Surgery. (Rs. 14300-22400)	2		M.Ch (Plastic Surgery) from a recognised University with 4 years teaching experience as an Associate Professor in Plastic Surgery.
93.	Professor in Bio-Chemistr (Rs. 14300-22400)	1		M.D (Bio-Chemistry) MBBS with M.Sc (Medical-Bio-Chemistry). D.Sc (Medical-Bio-Chemistry) with 4 years experience as Associate Professor in a Medical College.
94.	Professor of E.N.T (Rs. 14300-22400)	1	SC : 1	M.S (Oto-Rhino-Laryngology) from a recognised University, with 4 years experience as Associate Professor in a Medical College.
95.	Assistant Professor in O & G. (Rs. 10000-15200)	4	ST : 4	M.D.(Obst. & Gyn)/M.S (Obst & Gy)/ M.D (Mid & Gynaec) from a University.
96.	Assistant Professor in Prosthetic Dentistry, (Rs. 10000-15200)	1	ST : 1	B.D.S degree of a statutory Univer- sity recognised by the Dental Council of India. With 3 years teaching experience.
97.	Assistant Professor in Physiology (Rs. 10000-15200)	1	ST : 1	M.D (Physiology)/MBBS with M.Sc (Physiology)/D.Sc (Medical Physiology).
98.	Medical Officer, Class-II, (Rs. 2200-4000)	162	ST :133 SEBC:29	M.B.B.S, degree of any statutory University.
99.	Medical Officer, Class-II, (Rs. 2200-4000)	1284	SEBC:348 ST 166	M.B.B.S, degree of any statutory University.
100.	Physician, GHS Class-I, (Rs. 10000-15200)	71	SEBC:28 ST :26	-Do-

1.	2.	3.	4.	5.
101	District T.B Officer, Class-I, (Rs. 10000-15200)	14	SEBC:5 ST :2	M.B.B.S degree of any statutory University. Diploma in Tuberculosis/Diploma in Public Health.
102.	Full Time Surgeon/ Superintendent, Community Health Centre. (Rs. 10000-15200)	6	ST : 6	M.B.B.S degree of any statutory University. M.S in General Surgery.
103.	Gynaecologist, GHS (Spl. Ser) Class-I, (Rs. 10000-15200)	6	ST : 6	M.B.B.S degree of any statutory University. Post-graduate Degree in the Obstetrics and Gynaecology.
104.	Radiologist, GHS (Spl. Ser) Class-I, (Rs. 10000-15200)	1	ST : 1	M.B.B.S degree of any statutory University. Post-graduate Degree in Radiology.
105.	Lecturer in Pharmacology 1 Medical & Health Deptt.			M.D (Pharmacology) M.D (Pharmaco- logy & Therapeutics, MBBS with M.Sc Medical Pharmacology.

IV. TEACHING (ARTS, SCIENCE & COMMERCE)

106.	Deputy Director, Gujarat Statistical Service, (Rs. 8000-14050)	6	ST : 4 ST(W): 2	Post graduate degree in Statistics/ Mathematics with Statistics as a Special subject. 3 years exper- ience in field involving Statistical work. Preference:- Candidate having practical experience of Collection, Compilation, Analysis of data.
107.	Child Development Project 16 Officer (Rs. 2000-3500)		SEBC: 4 SC : 1 ST : 3	A degree in Home Science/Sociology/ Child Development With 3 years experience in integrated Child development Scheme.
108.	Lecturer in Hindi (C.B) (Rs. 8000-13500)	4	ST : 4	Post graduate degree in the respective subject. Good academic record.
109.	Reader (Sanskrit) (Rs. 10000-15200)	1	ST : 1	Post graduate degree with 2nd class in Sanskrit. 10 years experience of teaching Sanskrit.
110.	Lecturer in Physics, (Rs. 8000-13500)	2	ST : 2	Post graduate degree in the respective subject. Good academic record.
111.	Lecturer (English), (Rs. 2200-4000)	14	SC : 4 ST : 2 OBC : 4 ST.XSM:1 XSM : 3	Master degree in the relevant subject with at least 55% marks from a recog- nised University.

1.	2.	3.	4.	5.
112.	Lecturer (Philosophy) (Rs. 2200-4000)	1	SC : 1	Master degree in the relevant subject with at least 55% marks from duly recognised Indian University by Govt. of India. Must have cleared the National Entrance test for Lecturer conducted by the U.G.C./HPPSC/CSIR.
113.	Lecturer (Economics) (Rs. 2200-4000)	2	ST : 1 ST.XMS:1	-Do-
114.	Lecturer (Geography) (Rs. 2200-4000)	3	ST : 3	-Do-
115.	Lecturer (Commerce) (Rs. 2200-4000)	7	SC : 2 ST : 3 SC.XSM:1 ST.XSM:1	-Do-
116.	Lecturer (English) (Rs. 2200-4000)	16	SC : 7 ST : 3 SC.XSM:1 ST.XSM:2 XSM : 3	-Do-
117.	Lecturer (Education) (Rs. 2200-4000)	2	SC : 1 ST : 1	-Do-
118.	Shastri (Sirmour) (Rs. 1500-2700)	5	SC : 1 ST : 4	Shastri from a recognised University/Institution.
119.	Shastri (Kullu) (Rs. 1500-2700)	1	SC : 1	Shastri from a recognised University/Institution.
120.	Shastri (Kangra) (Rs. 1500-2700)	1	SC : 1	-Do-
121.	Drawing Master (Sirmour) (Rs. 1500-2700)	1	WFF : 1	Matric with 2 years Diploma in Art & Craft training from University/Institution recognised by the H.P. Govt.
122.	Physical Education Teache 2 (Sirmour), (Rs. 1500-2700)	2	ST : 1 WFF : 1	Matric with C.P. Education Trg. from a recognised Institution/University/Board.
123.	Physical Education Teache 1 (Kullu), (Rs. 1500-2700)	1	WWFSC:1	-Do-
124.	Physical Education Teache 1 (Kangra), (Rs. 1500-2700)	1	ST : 1	-Do-

1.	2.	3.	4.	5.
125.	Physical Education Teacher 1 (Mandi), (Rs. 1500-2700)	1	OBC : 1	-Do-
126.	Junior Technical Assistant 1 (Rs. 1640-2925)	1	SC : 1	M.A. in Archaeology/History with ancient Indian History as one of the papers. P.G. Diploma in Museology with 3 years experience in any National/State reputed Museum.
127.	Lecturer (Maths) (Rs. 6400-10640)	9	ST : 7 STWXSM:1 SCWXSM:1	Master degree in the relevant subject from recognised University/Degree/with year Post-graduate Diploma in teaching.
128.	Lecturer (Pub. Admn.) (Rs. 6400-10640)	1	ST : 1	-Do-
129.	Lecturer in Commercial Art 1	1	SC : 1	Must be holder of a 2nd class Diploma in Commercial Art with 3 years teaching experience.
130.	Junior Lecturer in Class-II of Orissa Education Service (Rs. 2000-3500)	375	SC : 58 ST : 81 SEBC : 40 PH.EXM:18	A candidate must have possessed a Master Degree in the concerned subject from a recognised University with at least 55% of marks or equivalent.
131.	Senior Lecturer in Education in Class-II of O.E.S. (Rs. 2200-4000)	32	SC : 6 ST : 10 SEBC : 9	-Do-
132.	Lecturer in Sanskrit for Govt. Ayurvedic College in Class-II of State Service (Rs. 2000-3500)	2		M.A in Sanskrit or Vyakarnacharya or Sahitya acharya securing not less than 50% of marks.
133.	Lecturer in Mathematics (Rs. 7880-13500)	1	SC : 1	First class Master Degree in Maths.
134.	Lecturer in English (Rs. 7880-13500)	1	B.C : 1	First Class Master Degree in English. Knowledge of Punjabi of Matric or its equivalent standard.
135.	Programme Officer GPHS, Class-I, (Rs. 2200-4200)	5	SC : 1 ST : 1	Master degree in Home Science or in Sociology or Child development or Nutrition or Social work of a recognised University. 3 years experience in Class-II or equivalent post related to child development Programmes or Social Welfare programme.

1.	2.	3.	4.	5.
V. SCIENTIFIC & TECHNICAL (INCLUDING TEACHING)				
136. Lecturer (Physics), (Rs. 2200-4000)	1	ST.XSM:1	Master degree in relevant subject with at least 55% marks from a recognised Indian University. Must have cleared the National Entrance test for Lecturers conducted by the U.G.C./HPPSC/CSIR.	
137. Lecturer (Botany) (Rs. 2200-4000)	1	ST : 1		-Do-
138. Lecturer (Chemistry) (Rs. 2200-4000)	3	ST : 2 ST.XSM:1		-Do-
139. Lab Technician (Rs. 1365-2410)	4	SC : 2 ST : 2	Matric/Hr. Sec. Part-I or equivalent With Science (Physics, Chemistry). With one year training at the recognised Institution.	
140. Lecturer (Chemistry) (Rs. 6400-10640)	16	SC : 3 ST : 4 SCWXSM:1 WFF : 2 OBC : 1	Master degree in the relevant subject from the recognised University/ Degree with one year Post-Graduate Diploma in teaching.	
141. Lecturer (Biology), (Rs. 6400-10640)	7	SC : 2 OBC : 2 ST : 1 SCWFF : 1 STWXSM : 1		-Do-
142. Lab Assistant, (Rs. 1200-2100)	1	ST : 1	Lab. Asstt. Biology & Serology B.Sc (Medical). Lab. Asstt. Chemistry & Toxicology B.Sc. (Medical) with Chemistry as one of the Subjects.	
143. Senior Lecturer in Geology in Class-II of OES (Rs. 2200-4000)	7	SC : 1 ST : 2 SEBC: 2	Master degree in the relevant subject from a recognised University. At least 55% of marks or its equivalent. The candidate should have also qualified in the comprehensive test conducted for the purpose of selection of college teacher's by the U.G.C.	
144. Associate Professor in Financial Management in Class-I, (Rs. 3700-5700)	2		Ist class M.B.A/M.M.S with specialisation in Finance. Fellow Institution of Chartered Accountants of India. 5 years teaching/consulting/Professional experience.	

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145.	Associate Professor in Management in Class-I, (Rs. 3700-5700)	2		-Do-
146.	Junior Teacher in Bio Chemistry in Class-II (Rs. 2200-4000)	3	SC : 1 ST : 1	Graduate degree in the concerned Speciality/higher speciality. One year experience as Assistant Surgeon under State Govt.
147.	Lecturer Physics (Rs. 7880-13500)	1	SC : 1	1st class Master degree in Physics. Knowledge of Punjabi of Matric or its equivalent standard.
148.	Senior Scientific Officer 1 Chemistry Division.	1	SC : 1	M.Sc. Chemistry with 2 years exp. of working in Forensic Science Lab. in Govt./Central Institute.
149.	Assistant Statistical Officer, (Rs. 2195-4560)	27	ST : 12 SC : 5 BC : 10	Degree in one of the subject of Economics, Pure Economics, Mathematics, Pure Mathematics, Applied Economics, Applied Statistics or Computer Science.

VI. LAW (INCLUDING TEACHING)

150.	Judge Labour Court (J.D), Class-I, (Rs. 8000-13500)	25	ST : 4 Women:1	Should have Practise as an Advocate or as a Pleader for not less than 3 years in the High Court or any Court subordinate there to or in any Labour Court, Industrial Court or Tribunal. Preference shall be given to a candidate having practical experience of Labour and Industrial problems.
151.	Law Officer (Hindi), (Rs. 2000-3500)	1	ST : 1	Bachelors degree in Law from any recognised University followed by Professional degree i.e L.L.B.(Prof.) B.A. with Hindi as one of the main subject. 5 years experience as an advocate.
152.	Judges/Civil Judges H.P. Judicial Services, (Rs. 2200-4000)	1	ST : 1	Professional degree in Law of a recognised University with at least 3 years legal practice at the Bar.
153.	Munsifs in Orissa Judicia Service, Class-II, (Rs. 2000-3500)	63	SEBC : 7 SC : 10 ST : 14 P.H : 1	A candidate shall be an Advocate having practice at the Bar for at least 3 years as on the last date fixed for receiving application. A superintendent/Ministerial official in High Court/any Civil/Criminal Court/Assistant Law Officer/Translator of the Law Deptt.

VII. ADMINISTRATIVE (ADMINISTRATIVE OFFICER. E.T.C)

154.	Port Officer/ Deputy Director	3	SC : 1 ST : 2	Must be holder of a Certificate of Competency having validity throughout the Common Wealth as Master Foreign going Steamships. Must have served as Chief Officer.
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#155.	Senior Assistant Director	1	ST : 1	M.F.S.C degree/any equivalent degree conferred by any University of Agricultural Science established by Law in India.

VIII. MISCELLANEOUS (OFFICE WORK ETC.)

156.	Divisional Fire Officer (Rs. 2000-3500)	1	SC : 1	Graduate from a recognised University and should have passed Divisional Fire Officer's Course from National Fire Service College. Served as a Station Fire Officer run by the Govt/Public Undertaking/Municipal Corporation for 3 Year's.
157.	Gram Panchayat Vikas Adhikari/Gram Vikas Sanyojikas (Rs. 950-1800)	3	WFFSC: 3	The Candidate must have passed Matriculation or equivalent from recognised Board/University.
158.	Assistant Superintendent (Jail), (Rs. 1640-2950)	2	SC : 2	Graduation of a recognised University. Knowledge of Customs, manners and dialect of H.P.
159.	Inspector (Police), (Rs. 1800-3200)	2	SC : 2	-Do-
160.	Video Cameraman, (Rs. 2000-3500)	1		Graduate from a recognised University. Should possess degree/Diploma in T.V. Production/Film Direction from a recognised Institution. 5 years experience in making short films and Documentaries.
161.	Console Operator	2	SC : 1 ST : 1	Degree/ equivalent qualification Must have passed a written aptitude test in 'B' Grade for Console Operators to be conducted by the Karnataka P.S.C.
162.	Junior Training Officer in the Trade of Hotel Catering and Management (Rs. 1520-2900)	2	SC : 1	Must have passed SSLC. . Must possess NTC or NAC or Diploma in Hotel Catering and Management. 3 years of experience including the period of training for obtaining NTC/ NAC/Diploma in Hotel Catering & Management.
163.	Urdu Reporter, (Rs. 1520-2900)	2	SC : 1	Must have passed SSLC Examination or its equivalent. Must have passed Urdu Senior Grade and Typing & Shorthand.
164.	Tamil Reporter, (Rs. 1520-2900)	2	SC : 1	Must have passed SSLC Examination or its equivalent. Must have passed Tamil Senior Grade and Typing & Shorthand.

1.	2.	3.	4.	5.
165.	Technical Assistant, (Rs. 1520-2900)	1	SC : 1	Diploma in Cinematography which includes Photography or equivalent. Degree in Science with Physics or Chemistry as one of the Major Subjects.
166.	Aero Modelling Instructor 1 in the department of NCC Group 'C' post (Rs. 1720-3300)	1	SC : 1	Must have passed Intermediate examination or any other equivalent examination. Must be an Ex-Cadet of NCC Air Wing holding 'C' Certificate.
167.	Stenographer (English) (Rs. 1200-2040)	4	SC : 1 OBC: 1	Matriculation with Shorthand speed of 80 WPM & Typing speed 40 WPM.
168.	Stenographer (Hindi & English), (Rs. 1200-2040)	4	SC : 1 OBC : 1	10+2 with Shorthand & Typing speed of 80 & 40 WPM respectively.
169.	Junior Account Asstt. (Rs. 1200-2040)	25	SC : 4 ST : 2 OBC: 6	Graduate or its equivalent, one year Diploma course from Institute of Rail Transport has been considered as additional desirable qualification with Typing speed of 30 WPM in English and 25 WPM in Hindi.



भारत सरकार

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सत्यमेव जयते

भारत में रोजगार के अवसर
पर बुलेटिन

1998

भारत सरकार

श्रम मंत्रालय

रोजगार एवं प्रशिक्षण महानिदेशालय

सर्वेक्षण एवं अध्ययन प्रभाग

आराफ़ अली रोड,

नई दिल्ली

फरवरी, 2001

पुस्तावना

1. श्रम मंत्रालय में रोजगार एवं प्रशिक्षण महानिदेशालय द्वारा प्रकाशित "भारत में रोजगार के अवसरों पर बुलेटिन" की श्रृंखला में यह 32 वां संस्करण है। बुलेटिन में अभियांत्रिकी, प्रौद्योगिकी, कृषि, चिकित्सा, प्राकृतिक विज्ञान, सामाजिक विज्ञानों, शिक्षण एवं अन्य मिश्रित विषयों पर रोजगार पाहने वाले स्नातकोत्तर, स्नातक डिग्री अथवा डिप्लोमाधारियों के लिए वर्ष 1978 के दौरान रोजगार के उपलब्ध अवसरों पर सूचना संकलित है।
2. वर्ष 1978 के दौरान सार्वजनिक तथा निजी क्षेत्र के नियोक्ताओं द्वारा संघ लोक सेवा आयोग, राज्य लोक सेवा आयोग, रेलवे भर्ती बोर्डों, बैंकिंग सेवा भर्ती बोर्डों तथा कर्मचारी चयन आयोग तथा केन्द्रीय रोजगार कार्यालय सहित रोजगार कार्यालय में अधिसूचित कार्यालयों जैसी मुख्य भर्ती रेजिस्ट्रियों के माध्यम से रोजगार के अवसरों अवसरों के बारे में विज्ञापित सूचना एकत्रित करने के समस्त उपाय किए गए। तथापि, उन रिक्तियों को इस अध्ययन में सम्मिलित नहीं किया जा सका जिन्हें उपर्युक्त रेजिस्ट्रियों में कहीं भी अधिसूचित नहीं किया गया। यह भी एक वास्तविकता है कि अधिकतर राज्यों में निजी क्षेत्र में शामिल की गई रिक्तियों की संख्या बहुत कम है।
3. इस बुलेटिन में दी गई सूचना का रोजगार-के-विभिन्न अध्ययनों स्व क्षेत्रों, यथा, केन्द्रीय सरकार, राज्य सरकार, अर्ध-सरकारी, स्थानीय निकाय तथा निजी क्षेत्र, के अनुसार विश्लेषण किया गया है। रिक्तियों का तीन वेतन श्रृंखलाओं ध्वं संशोधित है यथा, 1500/- रु. प्रति माह तक, 1501 से 2500 रुपए प्रतिमाह और 2501 एवं इसके अधिक, के अनुसार भी विश्लेषण किया गया है। क्योंकि 5वें वेतन आयोग की सिफारिशों की इस समय तक कार्यान्वयन नहीं किया जा सका है। संघ लोक सेवा आयोग तथा राज्य लोक सेवा आयोगों द्वारा उपर्युक्त उम्मीदवारों के अनुन्तलब्ध होने के कारण, न भरने जा सकने वाली रिक्तियाँ अद्यावत् 9 एवं 10 में उपलब्ध हैं।

4. यह आशा की जाती है कि इस बुलेटिन में संकलित सूचना विद्यार्थियों, व्यावसायिक मार्गदर्शन अधिकारियों, परामर्शदाताओं, आजीविका-विशेषियों, विप्रेतविद्यालयों, शोध संस्थानों, कार्य के इच्छुकों तथा आजीविका के विभिन्न पहलुओं में रुचि रखने वालों के लिए उपयोगी सिद्ध होगी।

5. हो सकता है लिखित सामग्री व विभिन्न विवरणियों के लोग पूर्णकों के कारण मेल न खाये।

6. रिपोर्ट के विभिन्न अनुच्छेदों में निर्दिष्ट संबंधी योगदान, 224 विश्वविद्यालयों में से 125 विश्वविद्यालयों से संबंधित है। उत्तर न देने वाले विश्वविद्यालयों के उत्तीर्णों संबंधी योगदान के अनुमान लगाने का कोई प्रयास नहीं किया गया है।

विशिष्टताएं

रोजगार अवसरों में स्थान

1. इस रिपोर्ट हेतु वर्ष 1998 में केन्द्रीय संघ लोक सेवा आयोग, राज्य लोक सेवा आयोगों, रेलवे भर्ती बोर्ड, बैंकिंग सेवा भर्ती बोर्ड तथा रोजगार कार्यालय सहित 33020 अधिसूचित रिक्तियों का अध्ययन किया गया।

क्षेत्रों द्वारा रोजगार अवसर

2. वर्ष 1998 के दौरान विभिन्न क्षेत्रों के रोजगार के अनुसार अधिसूचित रिक्तियों का विश्लेषण दर्शाता है कि केन्द्र सरकार द्वारा 29 प्रतिशत रिक्तियां अधिसूचित की गईं। अर्ध सरकारी द्वारा 27 प्रतिशत रिक्तियां अधिसूचित की गईं। अन्य क्षेत्रों में राज्य सरकार ने 26 प्रतिशत निजी प्रतिष्ठानों ने 15 प्रतिशत, व स्थानीय निकायों ने 3 प्रतिशत रिक्तियां अधिसूचित की।

संकायों द्वारा रोजगार के अवसर

3. वर्ष 1998 के दौरान संकायों द्वारा अधिसूचित रिक्तियों का तिभाजन दर्शाता है कि कुल अधिसूचित रिक्तियों का अधिकतम 29 प्रतिशत स्नातको हेतु मिश्रित रिक्तियां थीं, 22 प्रतिशत इंजीनियरों, 28 प्रतिशत समाज वैज्ञानिकों एवं अध्यापकों, 9 प्रतिशत चिकित्सा कार्मिकों, 8 प्रतिशत प्राकृतिक वैज्ञानिकों, 3 प्रतिशत कृषि व सम्बंध वैज्ञानिकों तथा 1 प्रतिशत प्रौद्योगिकीविदों हेतु था ।

वेतन श्रृंखलाओं द्वारा रोजगार के अवसर

4. वर्ष 1998 के दौरान 41 प्रतिशत रिक्तियां व 1501 से 2500 स्पर तक की वेतन श्रृंखला में, 40 प्रतिशत रिक्तियां 1500 स्पर प्रतिमाह तक वेतन श्रृंखला में तथा 19 प्रतिशत रिक्तियां 2501 उच्चतम वेतन श्रृंखला में रही ।

अनुभव द्वारा रोजगार के अवसर

5. वर्ष 1998 के दौरान लगभग 41 प्रतिशत रिक्तियां बिना किसी पूर्व अनुभव वाले प्रवेशार्थियों के लिए की ।

राज्य/केन्द्र शासित प्रदेशों द्वारा रोजगार के अवसर

6. राज्यों/संघ शासित प्रदेशों में वर्ष 1998 के दौरान अधिसूचित की गई अधिकांश रिक्तियां इस प्रकार है:- महाराष्ट्र में 18.3 प्रतिशत, उसके बाद दिल्ली में 16.3 प्रतिशत, उत्तर प्रदेश में 11.6 प्रतिशत, गुजरात में 7 प्रतिशत, कर्नाटक एवं आन्ध्र-प्रदेश प्रत्येक में 6 प्रतिशत, मध्य प्रदेश 5 प्रतिशत, पश्चिम बंगाल एवं तमिलनाडू 4 प्रतिशत प्रत्येक रिक्तियां अन्य राज्यों/संघ शासित प्रदेशों ने कुल अधिसूचित रिक्तियों का केवल 2 प्रतिशत या कम हिस्सा रखते हुए बांटी ।

सार एवं निष्कर्ष

8.1 वर्तमान आर्थिक परिदृश्य में रोजगार चाहने वालों: व्यावसायिक मार्गदर्शन अधिकारियों, रोजगार अधिकारियों तथा जन-शक्ति नियोजकों की एक मुख्य विन्ता स्कूल/विश्वविद्यालयों से निकलने वाले युवाओं को रोजगार के उत्पादक माध्यम में मार्गदर्शन देने के लिए उन क्षेत्रों/अनुशासनों, जिनमें रोजगार की बहुत अधिक क्षमता है तथा उन क्षेत्रों/व्यवसायों जिनमें नियोजकों द्वारा जन शक्ति की कमी अनुभव की जाती है, की खोज करना है। इस दिशा में, इस अध्ययन के अध्याय 9 व 10 विभिन्न भर्ती अभिकरणों जैसे संघ लोक सेवा आयोग, राज्य लोक सेवा आयोग, राज्य लोक सेवा आयोग आदि के द्वारा रिपोर्टित न्यूनता क्षेत्रों/व्यवसायों को प्रस्तुत करता है। यह महसूस किया जाता है कि इन अध्यायों में संकलित सूचना रोजगार चाहने वालों तथा इस क्षेत्र से जुड़े हुए लोगों के लिए बहुत काम की साबित होगी।

मांग का विश्लेषण

8.2 वर्तमान अध्याय देश में अधिसूचित चालू रोजगार के अवसरों के संदर्भ में विश्वविद्यालय स्नातकों की मांग एवं पूर्ति के अध्ययन के साथ पूर्ण अध्यायों में वर्णित सभी संकायों के मुख्य निष्कर्षों को प्रस्तुत करता है। इस अध्याय में इंजीनियरिंग तथा प्रौद्योगिकी, कृषि विज्ञान, चिकित्सा विज्ञान, प्राकृतिक विज्ञान, सामाजिक विज्ञान तथा विविध समूहों के क्षेत्रों में रिक्तियों के संदर्भ में मांग के साथ-साथ विश्वविद्यालयों एवं संस्थानों से उत्तीर्ण व्यक्तियों कुल संख्या का भी विश्लेषण किया गया है।

8.3. मांग पक्ष का अध्ययन विभिन्न भर्ती अभिकरणों को अधिसूचित रिक्तियों & स्न एवं उससे ऊपर के लिए & की संख्या के आधार पर किया गया है। इस बुलेटिन में उन सभी रिक्तियों पर विचार किया गया है जिन्हें वर्ष 1998 में रोजगार कार्यालय & रिक्तियों के अनिवार्य अधिसूचना & अधिनियम, 1959 के अंतर्गत कार्य कर रहे केन्द्रीय रोजगार कार्यालयों सहित संघ लोक सेवा आयोग, राज्य लोक सेवा आयोग, रेलवे भर्ती बोर्ड, बैंकिंग भर्ती

तथा कृषि वैज्ञानिक भर्ती बोर्ड तथा रोजगार कार्यालयों के लिए अधिसूचित किया गया था। यद्यपि इस पत्रिका का क्षेत्र बहुत ही सीमित है किन्तु यह निश्चित रूप से श्रम बाजार की पर्याप्त सामग्री प्रस्तुत करता है।

8.4 इस अध्याय में नीहित सूचना 1998 में अधिसूचित 33020 रिक्तियों से संबंधित है। 1997 के अध्ययन की तुलना में प्राकृतिक विज्ञान के क्षेत्रों में रिक्त अधिसूचना में बहुत हुआ स्थान पाया गया है।

8.5 1998 में विभिन्न श्रेणियों के स्नातकों हेतु अधिकतम 9476 रिक्तियां थीं, कि कुल रिक्तियों का 29 प्रतिशत है। सामाजिक विज्ञान एवं शिक्षण में 9138 & 27 प्रतिशत इंजीनियरिंग में & 22 प्रतिशत &, तथा चिकित्सा में 2998 & 9 प्रतिशत &।

8.6 वर्ष 1998 में प्राप्त समस्त रिक्तियों का क्षेत्रवार ब्योरा दर्शाता है कि केन्द्र सरकार में 9458 & 29 प्रतिशत &, इसके पश्चात अर्ध सरकारी में 8832 & 27 प्रतिशत & राज्य सरकार 8468 & 26 प्रतिशत &, निजी प्रतिष्ठानों ने 5111 & 15 प्रतिशत & तथा स्थानीय निकायों ने 1151 & 3 प्रतिशत & रिक्तियां सृजित की।

8.7 वेतन श्रेणियां जिनके अंतर्गत 1998 में समस्त रिक्तियां उपलब्ध कराई गई थीं, यह दर्शाती है कि 1501-2500 रु. प्रतिमाह के बीच के वेतन समूह में 13423 & 41 प्रतिशत & 1500/-रु. प्रतिमाह तक के वेतन समूह में 13222 & 40 प्रतिशत &, 2501/-रु. या उससे अधिक की उच्चतम वेतनमान श्रेणी में 6375 & 19 प्रतिशत & नौकरियां उपलब्ध थीं।

8.8 आंकड़ों का विश्लेषण यह दर्शाता है कि 1998 के दौरान अधिकांश नौकरियां नवागंतुकों के लिए थीं। वर्ष 1998 के दौरान कुल 13424 & 41 प्रतिशत & नौकरियां हेतु किसी पूर्व अनुभव की आवश्यकता नहीं थी।

8.9 राज्यों/संघ शासित प्रदेशों के अनुसार रिक्तियों का विश्लेषण यह दर्शाता है कि 1998 के दौरान महाराष्ट्र में 6044 & 18 प्रतिशत & रिक्तियां थीं। कुछ अन्य राज्यों जहां 1998 के दौरान बहुत अधिक संख्या में रिक्तियां थीं वे इस प्रकार थे:- दिल्ली में

16 प्रतिशत, उत्तर प्रदेश में 11 प्रतिशत, गुजरात 7 प्रतिशत, कर्नाटक एवं आंध्र-प्रदेश 6 प्रतिशत, मध्य प्रदेश 5 प्रतिशत। शेष राज्यों/संघ शासित प्रदेशों में शेष रोजगार अवसरों में वृद्धि देखी की।

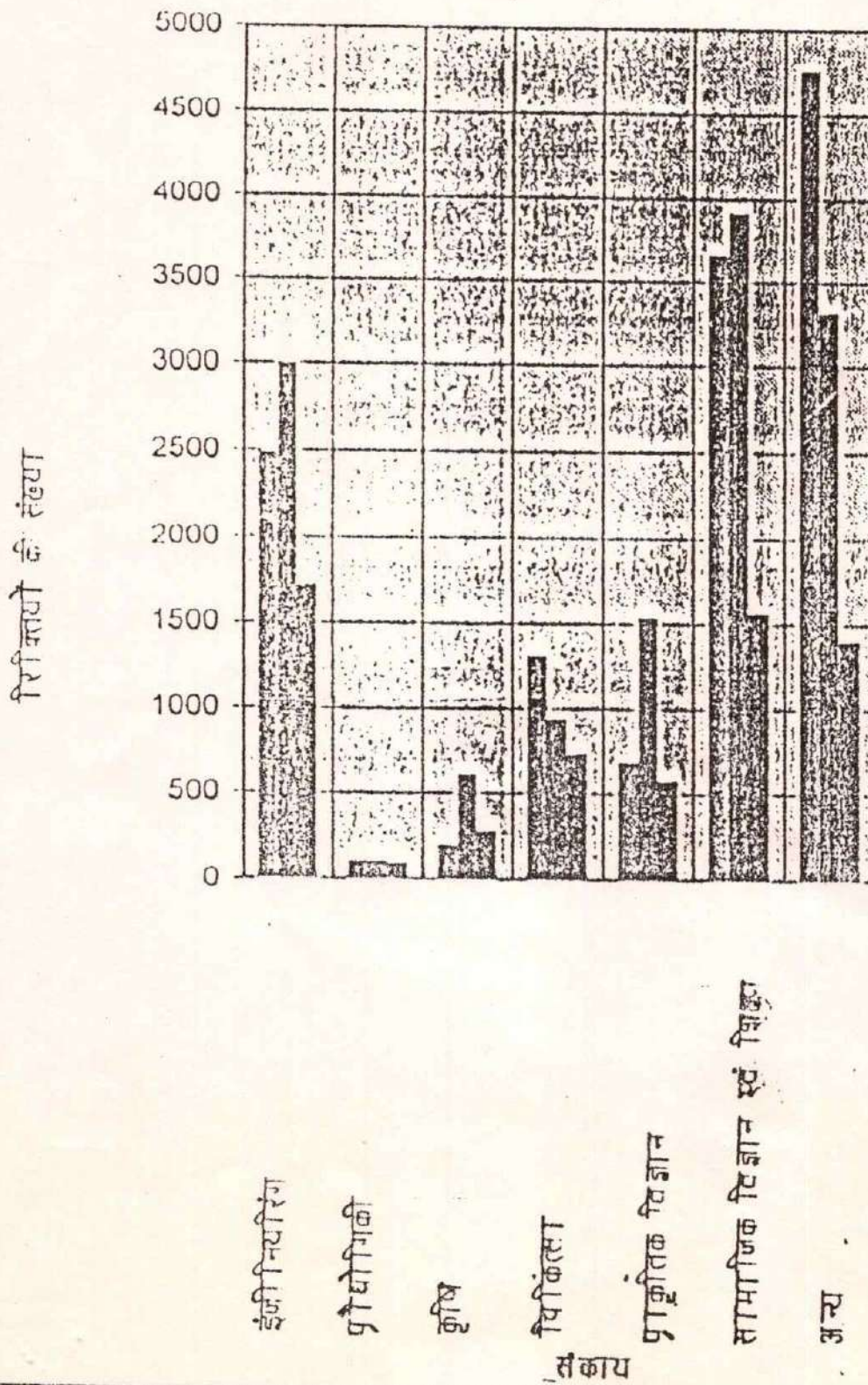
आपूर्ति का विश्लेषण

8.10 वर्ष 1997 के दौरान स्नातको तथा स्नातकोत्तरों, डिप्लोमा या रत्नात्मक डिप्लोमा सहित की संख्या संबंधी सूचना प्राप्त करने हेतु, 224 विश्वविद्यालयों, 8 जिन्हें विश्वविद्यालय माना गया है, से पत्राचार किया गया। कुल 224 विश्वविद्यालय संस्थानों में से 125 0 55 प्रतिशत 0 से ही सूचना प्राप्त हुई 1996 में इन 122 विश्वविद्यालयों से डिग्री/स्नातकोत्तर डिग्री, डिप्लोमा या स्नातकोत्तर डिप्लोमा 0 में उत्तीर्ण हुए 896744 व्यक्तियों की तुलना में वर्ष 1997 में 920999 व्यक्ति उत्तीर्ण हुए। यह मानते हुए कि प्रत्युत्तर न देने वाले विश्वविद्यालयों/संस्थानों में इसी क्रम में वृद्धि हुई होगी, पिछले वर्ष की तुलना में विश्वविद्यालय से उत्तीर्ण हुए व्यक्तियों की संख्या में लगभग 2.7 प्रतिशत वृद्धि को दर्शाता है।

8.11 1997 में विश्वविद्यालयों से उत्तीर्ण हुए व्यक्तियों की बढ़ती हुई संख्या यह दर्शाती है कि 1996 की तुलना में सामाजिक विज्ञानों तथा शिक्षण की शाखा में अधिकतम प्रतिशत वृद्धि हुई। विश्लेषण से यह पता चलता है कि विविध स्नातकों में 42 प्रतिशत, सामाजिक विज्ञानों तथा शिक्षण में 37 प्रतिशत, प्राकृतिक विज्ञान में 14 प्रतिशत, कृषि में 10 प्रतिशत, इंजीनियरिंग में 2 प्रतिशत तथा प्रौद्योगिकी में 1 प्रतिशत वृद्धि हुई।

8.12 पिछले छः वर्षों के दौरान अर्थात् 1992 से 1997 तक रिक्तियों की मांग में मिश्रित प्रवृत्ति परिलक्षित होती है। विश्वविद्यालयों से उत्तीर्ण हुए व्यक्तियों की संख्या की दर अर्थव्यवस्था में मांग के समकक्ष नहीं थी। वास्तव में विश्वविद्यालय से उत्तीर्ण हुए व्यक्तियों की संख्या की तुलना में अधिसूचित की गई रिक्तियां व्यावहारिक रूप से नगदी थीं।

स्नातको हेतु रोजगार के अवसर



* 1500 रु. तक * 1501-2500 रु. के बीच * 2501 रु. एवं उससे ऊपर

