

Engineering Services Examination, 2004 : Profile of Candidates

The Engineering Services Examination is conducted by the Commission in two stages – the written examination followed by the Personality Test. The written examination consists of three objective type and two conventional type papers. Only those candidates who qualify the written examination are eligible to attend the Personality Test.

2. The number of vacancies reported by the Government for filling up the posts in four disciplines of engineering through the Engineering Services Examination, 2004 are as follows:

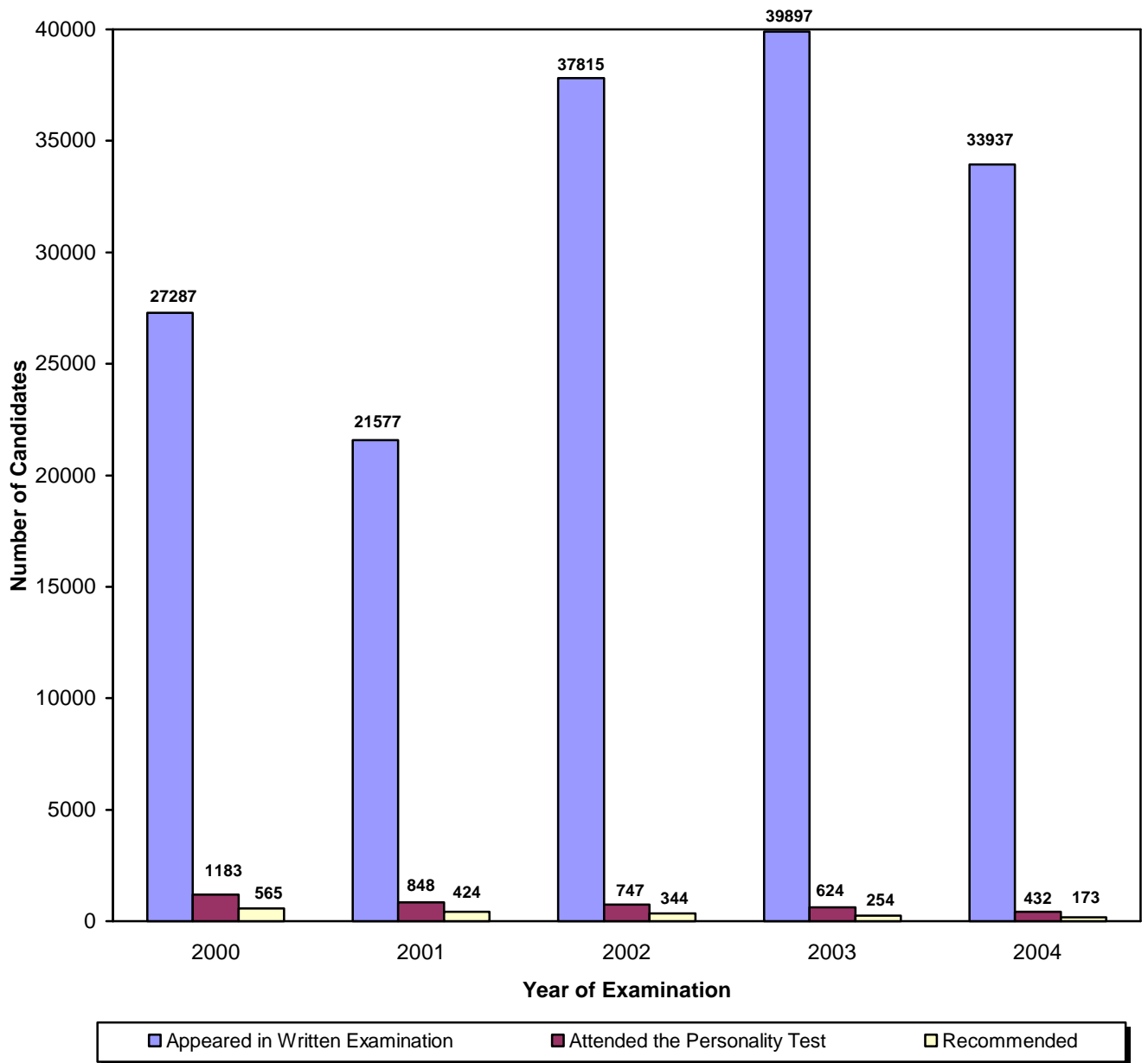
<u>Discipline</u>		<u>Number of Vacancies</u>
(i) Civil Engineering	-	58
(ii) Mechanical Engineering	-	46
(iii) Electrical Engineering	-	38
(iv) Electronics and Telecommunication Engineering	-	34

	Total	- 176

3. Out of 86,982 candidates who had applied for the Engineering Services Examination 2004, 33,937 candidates appeared at the written examination. On the basis of results of this examination, 455 candidates were declared qualified. Of those, 432 candidates attended the Personality Test, of whom 173 candidates were recommended for appointment in the various Engineering Services/Posts. The number of candidates appeared at the written examination, attended the Personality Test and recommended for appointment during the last five examinations are shown in Diagram 15.1.

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Diagram 15.1 : Candidates Appeared, Attended Personality Test and Recommended - Engineering Services Examinations



4. The distribution of candidates by their academic qualifications (i.e. higher qualifications vis-à-vis minimum prescribed qualifications) and division in respect of candidates who attended the Personality Test and were recommended, is given Table 15.1.

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Table 15.1 : Number of Candidates by Academic Qualifications and Division - Engineering Services Examination, 2004

Academic Qualifications	Candidates Attended the Personality Test			Candidates Recommended		
	First Division	Other than First Division	Total	First Division	Other than First Division	Total
Bachelor Degrees	308	38	346	122	12	134
Higher Degrees	80	6	86	36	3	39
Total	388	44	432	158	15	173

Note: The division secured in the highest degree obtained by candidates has been reckoned for the purpose of collating above data.

4.1 It follows from Table 15.1 that while 77.5 percent of the candidates recommended for appointment were graduates, remaining 22.5 percent possessed higher qualifications.

4.2 It is seen from Table 15.1 that out of 173 candidates recommended for appointment, 158 candidates or 91.3 percent were having first division and 15 candidates or 8.7 percent were having second or lower division at College/University level. Further, the percentage of first divisioner candidates among the candidates who attended the Personality Test was 89.8 percent while their percentage amongst the recommended candidates was 11.3 percent.

5. The distribution of candidates having regular degrees like M.E./M.Sc./B.Tech./B.Sc.(Engg.) etc. from the Universities on one hand and equivalent qualifications like Associate Membership/Graduate Membership awarded by the Institution of Engineers (India)/Institution of Electronics and Telecommunication Engineers/Aeronautical Society of India etc. on the other hand is given in Table 15.2.

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Table 15.2 : Number of Candidates having Regular Degrees vis-à-vis Equivalent Qualifications - Engineering Services Examination, 2004

Academic Qualifications	Number of Candidates	
	Attended the Personality Test	Recommended
I Regular Degrees		
(a) First Division		
(i) B.E./B.Tech./B.Sc.(Engineering)	308	122
(ii) M.E./M.Tech./M.Sc.(Engineering)	80	36
(b) Other Divisions		
(i) B.E./B.Tech./B.Sc.(Engineering)	27	11
(ii) M.E./M.Tech./M.Sc.(Engineering)	6	3
Sub-Total	421	172
II Equivalent Qualifications		
Section 'A' and 'B' of Institution of Engineers (India)/Graduate Membership Examination of Institution of Electronics and Telecommunication Engineers/Associate Membership Examination of Aeronautical Society of India, etc.	11	1
Total	432	173

5.1 It is seen that out of a total of 173 candidates recommended, 172 candidates were having regular degrees from the Universities and only one candidate was having equivalent qualifications awarded by the Institution of Engineers (India).

6. Discipline-wise and level of degrees of candidates who attended the Personality Test vis-à-vis those recommended for appointment is given in Table 15.3.

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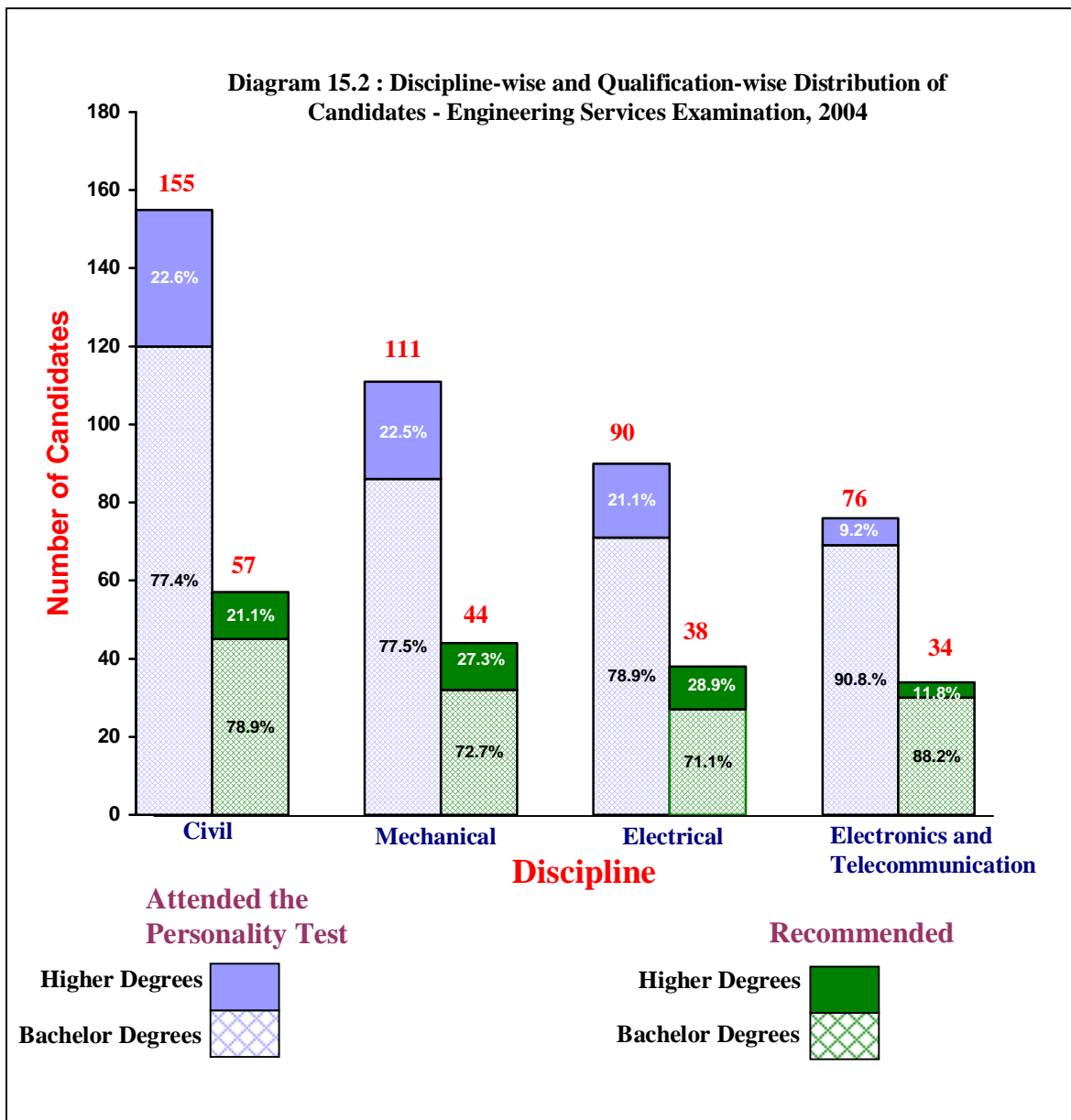
Table 15.3 : Discipline-wise and Qualifications-wise Number of Candidates - Engineering Services Examination, 2004

Discipline	Candidates Attended the Personality Test			Candidates Recommended		
	Bachelor Degrees	Higher Degrees	Total	Bachelor Degrees	Higher Degrees	Total
Civil	120	35	155	45	12	57
Mechanical	86	25	111	32	12	44
Electrical	71	19	90	27	11	38
Electronics and Telecommunication	69	7	76	30	4	34
Total	346	86	432	134	39	173

6.1 It follows from Table 15.3 that out of 173 candidates recommended for appointment, 57 candidates or 32.9 percent were recommended for Civil engineering posts, 44 candidates or 25.4 percent for Mechanical engineering posts, 38 candidates or 22.0 percent for Electrical engineering posts and 34 candidates or 19.7 percent for Electronics and Telecommunication engineering posts.

6.2 The discipline-wise and qualification-wise distribution of candidates who attended the Personality Test vis-à-vis those recommended, is also exhibited in Diagram 15.2.

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7. The community-wise and gender-wise number of candidates who attended the Personality Test and were recommended are given in Table 15.4.

Table 15.4 : Community-wise and Gender-wise Number of Candidates - Engineering Services Examination, 2004

Community	Candidates Attended the Personality Test			Candidates Recommended		
	Total	Male	Female	Total	Male	Female
Scheduled Castes	66	63	3	22	20	2
Scheduled Tribes	39	36	3	19	18	1
Other Backward Classes	148	145	3	51	51	-
General	179	173	6	81	80	1
Total	432	417	15	173	169	4

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It follows from Table 15.4 that female candidates constituted 2.3 percent of the candidates recommended compared to 97.7 percent for male candidates.

8. The community-wise, age-wise and gender-wise distribution of the candidates recommended is given in Table 15.5.

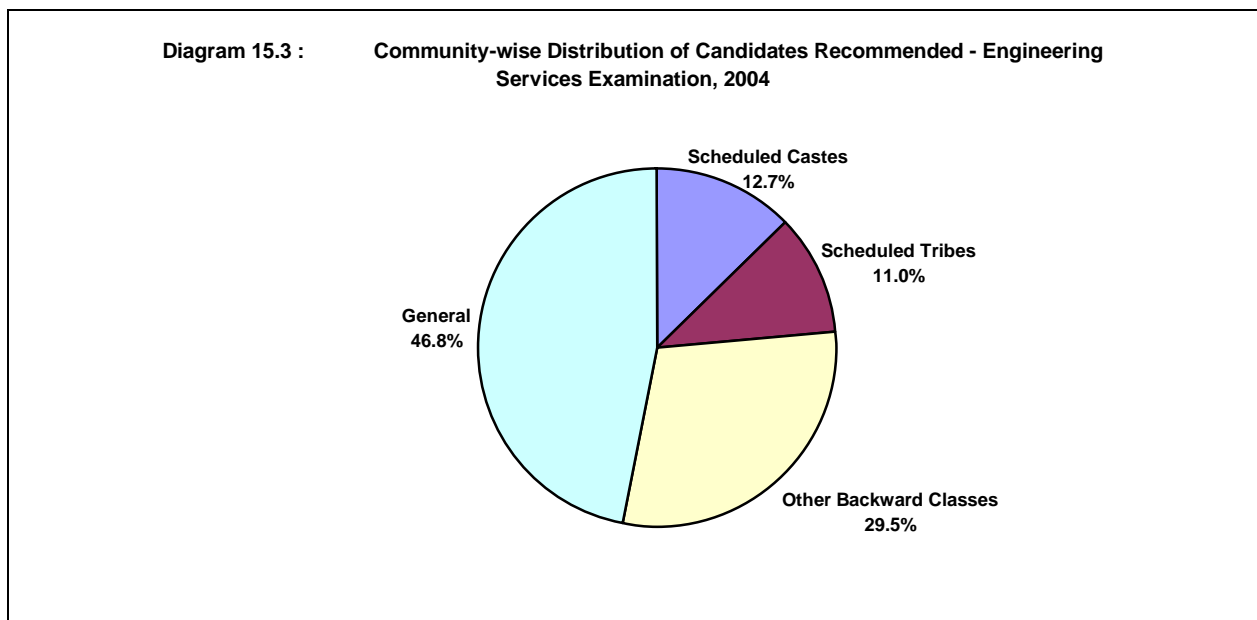
Table 15.5 : Community-wise, Age-wise and Gender-wise Distribution of Candidates Recommended - Engineering Services Examination, 2004

Community	Candidates Recommended			Age group									
				21-24 years		24-26 years		26-28 years		28-30 years		30 years and above	
	T	M	F	M	F	M	F	M	F	M	F	M	F
Scheduled Castes	22	20	2	5	1	9	1	3	-	1	-	2	-
Scheduled Tribes	19	18	1	8	1	7	-	1	-	1	-	1	-
Other Backward Classes	51	51	-	12	-	24	-	11	-	1	-	3	-
General	81	80	1	16	-	32	1	19	-	13	-	-	-
Total	173	169	4	41	2	72	2	34	-	16	-	6	-

T : Total; M : Male; F : Female

8.1 It is seen from Table 15.5 that 22 candidates or 12.7 percent belonged to the Scheduled Castes, 19 candidates or 11.0 percent to the Scheduled Tribes, 51 candidates or 29.5 percent to the Other Backward Classes and 81 candidates or 46.8 percent to the General category.

8.2 Community-wise distribution of the candidates recommended is also depicted in Diagram 15.3.



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9. The community-wise and gender-wise average age of the candidates recommended is given in Table 15.6.

Table 15.6 : Community-wise and Gender-wise Average Age of Candidates Recommended - Engineering Services Examination, 2004

Community	Average Age of Candidates Recommended (in years)		
	Total	Male	Female
Scheduled Castes	26.1	26.2	24.3
Scheduled Tribes	25.3	25.4	23.7
Other Backward Classes	26.0	26.1	23.8
General	25.7	25.7	24.1
Total	25.8	25.9	24.0

It is seen from Table 15.6 that the female candidates who were recommended for appointment were younger in age than the male candidates.

10. The discipline-wise and age-wise distribution of the candidates recommended for appointment is given in Table 15.7.

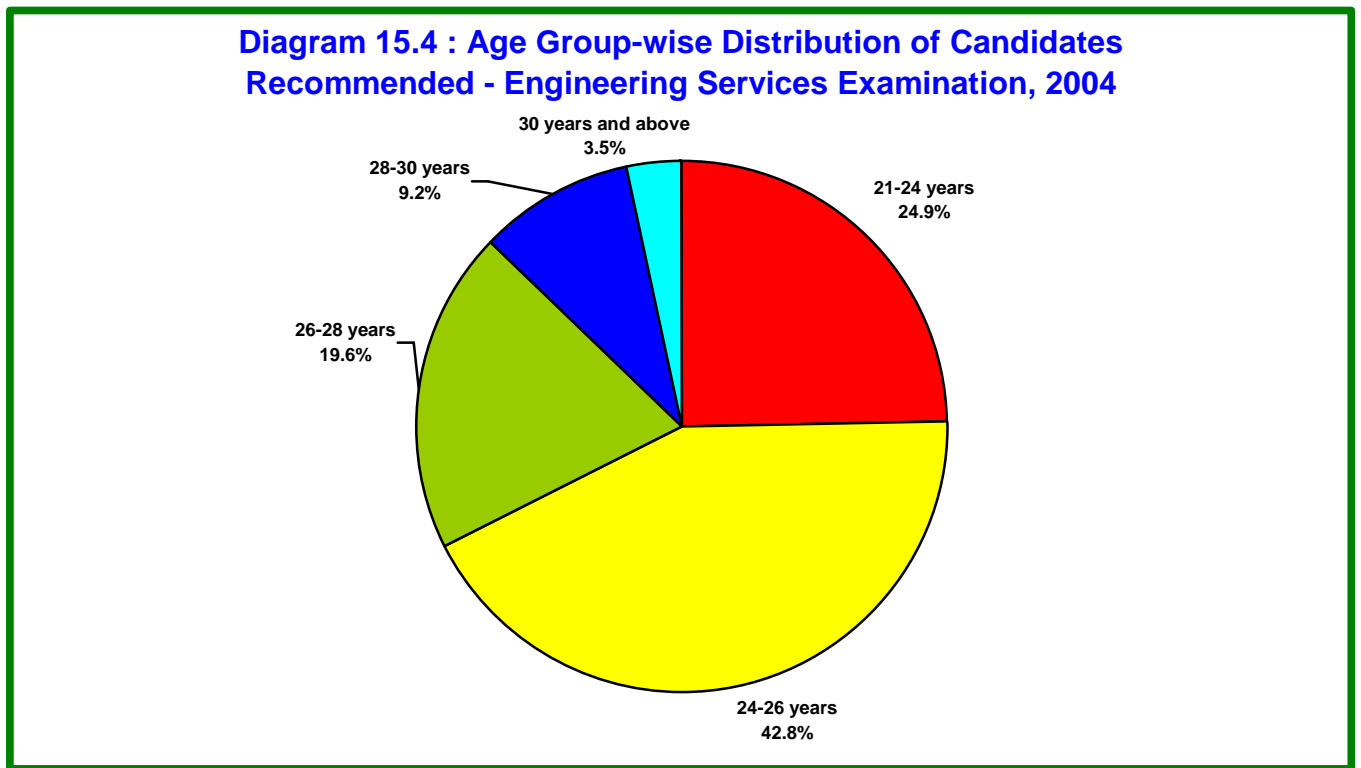
Table 15.7 : Discipline-wise and Age Group-wise Distribution of the Candidates Recommended - Engineering Services Examination, 2004

Discipline	Candidates Recommended	Age group				
		21-24 years	24-26 years	26-28 years	28-30 years	30 years and above
Civil	57	13	28	10	4	2
Mechanical	44	7	18	14	2	3
Electrical	38	8	16	6	7	1
Electronics and Telecommunication	34	15	12	4	3	-
Total	173	43	74	34	16	6

10.1 It is seen from Table 15.7 that the highest percentage of the candidates recommended belonged to the age group of 24 - 26 years (42.8 percent), followed by age groups of 21 - 24 years (24.9 percent), 26 - 28 years (19.6 percent), 28 - 30 years (9.2 percent) and 30 years and above (3.5 percent)

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10.2 Age group-wise distribution of the candidates recommended is depicted in Diagram 15.4.



11. Out of nine physically challenged candidates who qualified the written examination, all of them attended the Personality Test and three of them were recommended for appointment. Of them, two belonged to Other Backward Classes and one belonged to General category. Further, all three candidates were males.

12. The University-wise/Institution-wise number of candidates attended the Personality Test vis-à-vis recommended are given in Appendix - XVI.

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