

EAST INDIA (EDUCATION).

PROGRESS

OF.

EDUCATION IN INDIA,

1897-98 to 1901-02.

VOL. I.—FOURTH QUINQUENNIAL REVIEW.

Presented to both Houses of Parliament by Command of His Majesty.



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
By DARLING & SON, LTD., 34-40, BACON STREET, E.

And to be purchased, either directly or through any Bookseller, from
EYRE & SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.,
and 32, ABINGDON STREET, WESTMINSTER, S.W.;
or OLIVER & BOYD, EDINBURGH;
or E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

1904.

[Cd. 2181.] Price 4s. 1d.

CONTENTS.

Paragraph.	Subject.	Page.
CHAPTER I.—INTRODUCTORY.		
1	QUINQUENNIAL REVIEWS ON EDUCATION	1
2	SCOPE OF THE REVIEW	1
4	ARRANGEMENT OF THE REVIEW	2
OUTLINE OF THE EDUCATIONAL SYSTEM.		
	Introductory	2
	Organization—	
	Education not compulsory	2
	Educational agencies	2
	Public agencies	3
	Private agencies	3
	Indigenous schools	3
	Mission institutions	3
	Native institutions of western type	3
	Aided institutions	3
	Unaided institutions	4
	Private institutions	4
	General classification	4
	Direction and inspection—	
	Organization	4
	Duties of inspecting officers	4
	General education—	
	Grades of public institutions for general education	5
	University education	5
	Colleges	5
	School courses	5
	Grades of schools	6
	Length of stages and age of pupils	6
	Secondary school courses	6
	Characteristics of secondary schools	7
	Primary school courses	7
	Teachers	7
	Text-books	7
	Examinations	7
	Professional and technical education—	
	Classification	8
	Law	8
	Medicine	8
	Engineering	8
	Agriculture	9
	Veterinary science	9
	Forestry	9
	Commerce	9
	Art	9
	Industry	9
	Education of backward classes	10
	Finance—	
	Funds	10
	Fees	10
	Scholarships	10
46	STATISTICS	10
47	CURRENT REFORMS	11
CHAPTER II.—CONTROLLING AGENCIES.		
MANAGING AGENCIES.		
48	General statistics	12
49	Scope of the Chapter	12
50	Managing agencies in different provinces	12

Paragraph.	Subject.	Page.
CHAPTER II.—CONTROLLING AGENCIES—contd.		
THE DEPARTMENT OF EDUCATION.		
61	Control	15
62	The educational services	16
65	The Indian Educational Service	17
66	The Provincial Educational Service	17
67	The Subordinate Educational Service	18
69	Provinces outside the general scheme	19
70	Teaching and inspection	19
INSPECTION.		
71	General statistics of the inspecting staff	20
72	Description by provinces	20
84	Summary	25
89	Increase of staff	27
90	Method of inspection	27
91	MADRAS EXAMINATION ORGANIZATION	28
FUNCTIONS OF DISTRICT OFFICERS AND THEIR ASSISTANTS.		
92	Previous history of the subject	29
94	Present position by provinces	30
LOCAL BOARD AND MUNICIPAL MANAGEMENT.		
104	General character of Local Self-Government institutions	32
105	Functions of Local Self-Government institutions towards education	32
106	Statistics	32
107	Powers of local bodies and the exercise of Government control	32
115	Method of management by Local and Municipal Boards	35
120	Criticism of Local Board and Municipal management	37
NATIVE STATES.		
127	General remarks	39
128	Bombay	39
129	Central Provinces	40
130	Orissa	40
PRIVATE AGENCIES.		
131	Missionary societies	41
132	Native associations	41
133	COST OF DIRECTION AND INSPECTION	42
CHAPTER III.—COLLEGIATE EDUCATION.		
COLLEGIATE EDUCATION BEFORE THE INCORPORATION OF THE UNIVERSITIES.		
134	Success of the early colleges	43
135	Early colleges of Bengal	43
136	Early colleges of the United Provinces	44
137	Early colleges of the Madras Presidency	44
138	Early colleges of the Bombay Presidency	45
139	General characteristics of the early colleges	45
140	Control of the pre-University colleges	46
141	Examinations, fees, and scholarships	46
142	Employment of students in the public service	46
143	Professional colleges	47
INAUGURATION OF THE UNIVERSITIES.		
Calcutta, Madras, and Bombay—		
144	Instructions of the Despatch of 1854	47
145	Orders of the Government of India	48
146	Report of the Committee for framing regulations	48
147	Subsequent measures	49

Paragraph.	Subject.	Page.
CHAPTER III.—COLLEGIATE EDUCATION—<i>contd.</i>		
INAUGURATION OF THE UNIVERSITIES—<i>contd.</i>		
Calcutta, Madras, and Bombay—<i>contd.</i>		
148	Acts of Incorporation	49
149	Spheres of influence	49
150	Degrees	49
151	Bye-laws and regulations	49
152	The Punjab University	49
154	The University of Allahabad	50
CONSTITUTION AND FUNCTIONS OF THE UNIVERSITIES.		
Constitution—		
The Senate—		
155	Chancellors	51
156	Vice-Chancellors	51
157	Fellows	51
162	Criticism of the Indian Universities Commission	52
163	Functions	52
164	Faculties	53
165	The Syndicate	53
166	Boards of Studies	53
167	Boards of Accounts	54
168	The Registrar	54
169	Relationship of the Universities towards collegiate education	54
170	University finance	54
COLLEGES.		
Affiliation—		
174	Statutory and other basis	55
175	Procedure	55
176	Conditions	56
177	Disaffiliation	56
178	Local limits of the Universities	56
General statistics of arts colleges—		
179	Growth of collegiate education	57
180	First and second grade colleges	57
181	Management	57
Arts colleges of the Calcutta University—		
182	Location of colleges	57
183	Classification of first grade colleges—	
184	Government	58
185	Native	58
186	Mission	58
187	European	58
188	Second grade colleges	58
189	General features	59
Arts colleges of the Madras University—		
190	Location of colleges	59
191	First grade colleges	59
192	Second grade colleges	60
Arts colleges of the Bombay University—		
193	Concentration of higher education	61
194	Colleges	61
Arts colleges of the Allahabad University—		
195	First grade colleges	61
196	Second grade colleges	62
Arts colleges of the Punjab University—		
197	First grade colleges	62
198	Second grade colleges	63
199	Professional colleges	63
200	Provincial statistics of arts colleges	63
State aid—		
201	Madras	64
202	Bombay	64
203	Bengal	64
204	Other provinces	64

Paragraph.	Subject.	Page.
CHAPTER III.—COLLEGIATE EDUCATION—<i>contd.</i>		
COLLEGES—<i>contd.</i>		
Strength and cost of colleges—		
205	Strength	64
206	Cost	65
COLLEGE LIFE.		
Introductory—		
207	Scope of the section	65
208	Private students	65
209	Terms and vacations	65
Tuition—		
220	Lectures and private tuition	66
212	Compulsory attendance	67
213	College examinations and class promotion	67
214	Libraries and laboratories	67
215	Criticism on college teaching	67
Residence—		
216	General system	67
217	Hostels	68
218	Statistics of hostels	68
219	Punjab hostels	68
220	Hostels in other provinces	68
221	Games and amusements	69
Discipline—		
222	Conduct of students and character of discipline	69
Transfer rules—		
223	Inter-collegiate	69
224	Inter-University	70
UNIVERSITY COURSES.		
General features—		
225	Entrance	70
226	Preliminary course	70
227	List of courses	70
228	Degrees in arts and science	71
Intermediate course—		
229	Outline of the course	71
230	Subjects of the course	72
Course for the degree of Bachelor of Arts—		
235	Outline of the course	72
236	Subjects of the course	73
243	Honours course, Calcutta	75
244	Course for the degree of Bachelor of Science	75
Course for the degree of Master of Arts—		
245	General course	75
246	Subjects	75
247	Relative popularity of different subjects	76
248	Doctor of Literature, Punjab	76
249	Course for the degree of Doctor of Science	77
PROFESSORS.		
250	General statistics	77
251	Staff of Government colleges	77
EXAMINATIONS.		
252	Appointment of examiners	78
Conduct of examinations—		
257	General system	79
258	Marks	79
259	Centres	79
Examination statistics—		
261	Intermediate examination	80
262	B. A. examination	80
263	B. Sc. examination	80
264	M. A. examination	80
265	General results	81

CONTENTS.

Paragraph.	Subject.	Page.
CHAPTER III.—COLLEGIATE EDUCATION—concl'd.		
STUDENTS.		
266	Total and provincial statistics	81
267	Statistics according to management	81
268	Race or creed of students	82
269	Male and female students	82
270	Race or creed of graduates	82
FINANCE.		
Expenditure—		
271	General statistics	82
272	Cost of education	82
273	Expenditure by sources	83
Fees—		
274	General principles	84
276	General statistics	84
277	Government colleges	85
278	Aided colleges	85
279	Unaided colleges	86
280	Free students	86
Scholarships—		
281	System	86
282	Expenditure	87
283	Scholarship holders	87
284	Provincial arrangements	87
ORIENTAL COLLEGES.		
293	Institutions	89
Colleges of Bengal—		
294	Sanskrit College, Calcutta	89
295	Calcutta Madrassah	90
Colleges of the United Provinces—		
296	Sanskrit College, Benares	90
297	Other institutions	90
Oriental learning in the Punjab—		
298	Oriental branch of the Punjab University	90
299	Course for degrees in Oriental Learning	90
301	Title examinations in classical languages	91
302	Vernacular examinations	92
303	Oriental College, Lahore	92
CHAPTER IV.—SECONDARY EDUCATION.		
GENERAL CHARACTER OF SECONDARY EDUCATION.		
304	The secondary stage of general education	93
305	English and vernacular secondary courses	93
306	High and middle stages	93
307	Classes of secondary schools	93
SCOPE OF THE CHAPTER.		
308	Secondary stage of education and secondary schools	94
309	Male and female pupils	94
RISE OF SECONDARY EDUCATION.		
310	General account	94
311	Statistics	95
SECONDARY SCHOOLS.		
312	General statistics of English and vernacular schools for boys	95
313	Provincial statistics	96
314	Number of English schools for boys per district	96
315	Strength of a boys' English secondary school	96
316	Cost of a boys' English secondary school	96
317	English schools for boys under public and private management	97
318	Vernacular schools for boys under public and private management	97

Paragraph.	Subject.	Page.
CHAPTER IV.—SECONDARY EDUCATION—<i>contd.</i>		
SECONDARY SCHOOLS—<i>contd.</i>		
	English schools under public management—	
320	Government schools	97
321	Board schools	98
322	Schools managed by Native States	98
323	Aided and unaided English schools	98
324	Control of unaided schools	98
325	Recognition of unaided schools by the Government	99
326	Recognition of schools by the Universities	100
327	Grant-in-aid system	100
328	Systems of the large provinces	100
332	General characteristics	102
BUILDINGS AND EQUIPMENT.		
	Buildings—	
333	Tenure of buildings	103
334	Character of buildings	104
344	Accommodation in class rooms	106
345	Cost of buildings	107
346	Grants-in-aid	107
347	Equipment	108
349	Punjab Report	109
SCHOOL LIFE.		
350	Day and boarding schools	110
353	School hours	111
354	The school year	111
355	School discipline and training	111
359	Transfer rules	113
STAGES OF INSTRUCTION AND AGES OF PUPILS.		
360	Classes of the secondary course	114
361	The English course	114
362	The vernacular course	114
363	Class promotion	115
SUBJECTS AND METHOD OF TEACHING.		
364	The medium of instruction in English schools	115
365	The medium of instruction in vernacular schools	116
	Different courses in English schools—	
366	General course	116
367	Special courses	116
368	Order of subjects	116
	Matriculation course—	
371	English	117
372	Vernacular languages of India	118
373	Classical languages of India	118
374	Other classical languages	118
375	Continental languages of Europe	118
376	Mathematics	118
377	History and geography	118
378	Elementary science	118
379	Courses alternating with the general matriculation course	118
386	English middle school course	121
387	Teaching in the English middle stage in the United Provinces	122
388	Vernacular middle school course	122
EXAMINATIONS.		
389	Secondary examinations	122
	The matriculation examination—	
390	Regulations for admission to the examination	123
396	Number of candidates	124
397	Conduct of the examination	124
398	Number of passes	125
399	Middle school examinations	125
402	Public service certificate examinations	126

Paragraph.	Subject.	Page.
CHAPTER IV.—SECONDARY EDUCATION—<i>contd.</i>		
TEACHERS.		
403	Number	126
404	Qualifications	126
405	Pay	127
406	Pensions	127
STATISTICS OF PUPILS.		
407	Pupils in secondary schools and in the secondary stage of instruction	128
408	General statistics for boys in the secondary stage of instruction in English schools	128
409	Provincial statistics	128
410	Statistics for boys in the secondary stage of instruction in vernacular schools	129
FINANCIAL.		
Expenditure—		
411	General statistics of expenditure	129
412	Cost of educating a boy	130
413	Expenditure from public and private funds	130
414	Analysis of expenditure from public funds	130
415	Analysis of expenditure from private funds	130
Fees—		
416	Regulations	131
417	Statistics	132
418	Free students	132
Scholarships—		
419	General scheme	132
420	Number and value of scholarships	133
428	Expenditure on scholarships	134
CHAPTER V.—PRIMARY EDUCATION.		
SCOPE OF THE CHAPTER.		
429	Primary schools and primary departments of secondary schools	135
430	Schools for boys and girls	135
ORGANIZATION.		
431	State and aided schools	135
432	Indigenous systems	135
433	Origin and development of the several provincial systems	136
436	Missionary and modern native schools	137
437	Development by provinces	137
PRIMARY SCHOOLS.		
442	General statistics	139
443	Number of towns and villages served by a school	140
444	Distance between schools	140
445	Strength of a school	140
446	Cost of a school	140
447	Upper and lower primary schools	141
448	Schools according to management	141
449	Government schools	142
450	Native State schools	142
451	Board schools	142
452	Schools under private management	142
Aided schools—		
453	Rules for recognition	142
454	Grant-in-aid rules	143
455	Position at the end of the quinquennium	143
457	Distribution of grants by Government and Boards	144
458	Statistics	144
459	Unaided schools	144
460	Night schools	145

Paragraph.	Subject.	Page.
CHAPTER V.—PRIMARY EDUCATION—contd.		
SCHOOL BUILDINGS AND EQUIPMENT.		
464	Account given by the Education Commission	146
465	Tenure of buildings	146
466	Character of buildings	147
475	Cost of buildings	151
476	Equipment	152
482	Cost of equipment.	153
SCHOOL LIFE.		
483	Day and boarding schools	154
484	School hours	154
485	Vacations and holidays	155
486	Class management and discipline	155
490	Physical training	156
DURATION AND STAGES OF THE PRIMARY COURSE.		
491	Upper and lower primary stages	157
492	Number of classes and ages of children	157
493	Classes in Bombay and Bengal	158
494	Class promotion	158
SUBJECTS AND METHOD OF TEACHING.		
495	General course and methods	158
496	Primary schools and primary departments of secondary schools	159
497	English in primary schools	159
499	Urban and rural schools	160
500	Provincial courses and methods	160
TEACHING IN RURAL SCHOOLS.		
509	Bombay	163
510	The Central Provinces	164
519	The Punjab	166
520	Other provinces	167
521	ANALYSIS OF TIME-TABLES	167
523	UPPER AND LOWER PRIMARY EXAMINATIONS	168
TEACHERS.		
524	Number	168
525	Qualifications	169
526	Pay	169
527	Pensions	170
528	Teachers as post-masters	170
STATISTICS OF PUPILS.		
Progress—		
529	General statistics	170
530	Progress during the quinquennium	170
532	Progress according to class of management of schools	171
533	Progress by provinces	171
534	Burma	171
535	Proportion of boys under instruction and male literacy	171
Reasons for want of progress—		
537	General	172
538	Examination by provinces	173
FINANCIAL.		
546	General statistics	178
547	Cost of educating a boy	178
548	Percentage of expenditure on primary to general education	178
549	Expenditure from public and private sources	178
550	Analysis of expenditure from public sources	178
551	Local Board expenditure	178

Paragraph.	Subject.	Page.
CHAPTER V.—PRIMARY EDUCATION—concl'd.		
FINANCIAL—cont'd.		
552	Municipal expenditure	178
553	Rules regarding Local Board and Municipal expenditure	179
554	Complaint that local bodies devote an undue share of attention to secondary education	179
555	Expenditure from private sources	179
555	Fees	179
556	Scholarships	180
CHAPTER VI.—EDUCATION OF CHIEFS AND NOBLES.		
557	INTRODUCTORY	181
THE FOUR CHIEFS' COLLEGES.		
559	Government	182
560	Management and staff	183
562	Pupils	184
565	Ages of pupils	185
566	Residential system	185
567	Private tutors and guardians	185
568	Other features of the college life	186
569	Course of study	186
572	Finance	188
575	Cost of education	189
OTHER INSTITUTIONS.		
576	Madras	189
577	Bombay	189
578	Bengal	189
579	United Provinces	189
580	Punjab	190
581	Burma	190
582	Central Provinces	190
583	Hyderabad (Deccan)	190
584	NOTE ON CURRENT REFORMS	191
CHAPTER VII.—TRAINING OF TEACHERS.		
MALE TEACHERS.		
Certificate system—		
594	Grades of certificates	193
595	General features of the system	195
596	Provincial characteristics	195
597	Approved service certificates	196
598	Regulations regarding the employment of certificated teachers	196
Institutions—		
607	General statistics	197
608	Description by provinces	197
617	Changes during the quinquennium	199
618	Control	200
619	Staff	200
620	Buildings and equipment	201
621	Hostels	202
622	Practising schools	202
General and physical training—		
624	Discipline and general training	203
625	Physical training	204
Course of instruction—		
626	General features of the higher grade courses	204
629	General features of the lower grade courses	205
631	Subjects of study	207
632	General education in training institutions	210
635	Theoretical course of professional instruction	211
636	Course of practical training	213

Paragraph.	Subject.	Page.
CHAPTER VII.—TRAINING OF TEACHERS—<i>contd.</i>		
MALE TEACHERS—<i>contd.</i>		
Special subjects of instruction—		
637	Special subjects in particular provinces	214
640	Teaching of drawing in training institutions	214
641	Drawing teachers' certificates	215
642	Instruction for gymnastic teachers' certificates	215
Pupils—		
644	General remarks	216
645	Statistics	216
647	Progress during the quinquennium	217
648	Examination results	217
Financial—		
649	Expenditure on higher grade institutions	218
650	Expenditure on lower grade institutions	218
651	Stipends	218
FEMALE TEACHERS.		
652	Introductory	218
Institutions—		
653	General statistics	218
654	Description by provinces	218
660	Changes during the quinquennium	220
661	Course of study	220
Pupils—		
666	Statistics	221
667	Race or creed	221
668	Examination results	221
Financial—		
669	Expenditure	222
670	Stipends	222
CHAPTER VIII.—PROFESSIONAL AND TECHNICAL EDUCATION.		
INTRODUCTORY.		
671	Scope of the Chapter	223
672	Controlling agencies	223
673	Madras scheme of technical examinations	223
LAW.		
Introductory—		
675	Admission to the legal profession	224
677	Origin of the present systems of legal instruction	225
Institutions for legal instruction—		
678	Centralized and local systems	225
679	Provinces of the centralized system	225
683	Provinces of the local system	227
686	Minor provinces	228
689	General remarks	229
University courses—		
690	Course for the Bachelor's degree	229
691	Punjab system	229
692	Higher courses and degrees	230
693	University curricula	230
694	Students	231
695	Examinations	232
Financial—		
697	General statistics	232
698	Fees	232
MEDICINE.		
699	Introductory	232
Medical colleges—		
700	The four Government colleges	233
701	Buildings and hospitals	233

Paragraph.	Subject.	Page.
CHAPTER VIII.—PROFESSIONAL AND TECHNICAL EDUCATION—<i>contd.</i>		
MEDICINE—<i>contd.</i>		
Medical colleges—<i>contd.</i>		
702	Control and staff	233
703	College classes	234
704	Students	234
706	University courses and degrees	235
708	Subjects of examination	236
709	Qualifications of a Licentiate	236
710	Qualifications of a Bachelor	237
711	Statistics of the examinations for the Bachelor and Licentiate courses	237
712	College curricula and practical training in professional subjects	237
713	College examinations	238
714	Non-University classes	239
715	The degree of Doctor of Medicine	239
716	Expenditure	239
717	Fees	239
718	Scholarships of the medical colleges	240
719	Scholarships belonging to provinces in which there are no medical colleges	240
720	Female scholarships	240
Medical schools—		
721	List of schools	241
722	Government schools	241
723	Non-Government schools	241
724	Changes during the quinquennium	241
725	School Department, Madras Medical College	241
726	Board School, Tanjore	242
727	Government schools, Bombay	242
728	Government schools, Bengal	242
728	Campbell Medical School	242
729	Agra Medical School	243
730	School Department, Lahore Medical College	244
731	Berry-White School, Assam	244
732	Medical instruction in Burma	244
733	Private schools of Bengal	245
734	Schools of Indian medicine	245
735	General statistics	245
Sanitary Science—		
Madras special courses—		
736	Course for the degree of Licentiate in Sanitary Science	245
737	Sanitary Inspectors' course	246
ENGINEERING AND SURVEYING.		
Introductory—		
738	Employment of engineers in India	246
739	Organization and recruitment of the Public Works Department	246
740	Engineering colleges	246
741	Thomason Civil Engineering College, Rurki	247
742	Civil Engineering College, Sibpur	247
743	College of Science, Poona	247
744	College of Engineering, Madras	247
745	Departments of the engineering colleges	247
746	Guaranteed appointments of the engineering colleges	249
747	Students who compete for guaranteed appointments	249
Engineering and survey schools—		
748	General character	250
749	Arrangement of subjects	250
Civil engineering classes—		
750	Main objects of the classes	250
751	Main features of the classes	250
752	Relationship between the college classes and the Universities	251
753	Subjects of the courses	251
754	Practical course in Madras and Bengal	253

Paragraph.	Subject.	Page.
CHAPTER VIII.—PROFESSIONAL AND TECHNICAL EDUCATION—<i>contd.</i>		
ENGINEERING AND SURVEYING—<i>contd.</i>		
Civil engineering classes—<i>contd.</i>		
755	University courses for Bachelors and Licentiates	254
756	Punjab University examinations	255
757	Degree of Master of Civil Engineering	255
758	Students	255
Classes of the Upper and Lower Subordinate grade—		
759	Classes of the engineering colleges	256
760	Main features of the classes	256
761	Course of studies	257
762	Students	258
763	Classes of the engineering schools	258
769	Civil engineering in the Madras scheme of technical studies	259
Mechanical engineering—		
771	Madras	260
772	Bombay	260
773	Bengal	260
774	Rurki	261
775	Burma	261
776	Assam	261
Electrical Engineering—		
Special classes for electrical engineers—		
778	Rurki	261
779	Sibpur	262
780	Poona	262
781	Madras Presidency	262
782	Sanitary Engineering	262
Surveying—		
Special survey classes and schools—		
784	Rurki	262
785	Bengal	263
Draftsman classes—		
786	Madras	263
787	Rurki	263
General Statistics—		
788	Students	263
789	Expenditure	263
790	Fees and scholarships	263
MINING.		
791	Mining industry	263
792	Lack of educational facilities	264
AGRICULTURE.		
793	Introductory	264
794	History of the subject	264
798	Branches of the subject	266
Agricultural colleges and schools—		
799	General remarks	266
800	Degree of Licentiate in Agriculture of the Bombay University	266
801	College of Agriculture, Saidapet	267
802	Agricultural branch of the College of Science, Poona	267
803	Agricultural classes, Bombay Presidency	268
804	Agricultural department, Sibpur	268
806	Agricultural school, Cawnpore	269
807	Agricultural class, Moradabad Normal School	269
808	Agricultural school, Nagpur	269
TRAINING OF VILLAGE OFFICERS, ETC.		
812	Tapedars' school, Sind	271
813	Patwari schools, United Provinces and Punjab	271
814	Survey schools, Burma	271

Paragraph.	Subject.	Page.
CHAPTER VIII.—PROFESSIONAL AND TECHNICAL EDUCATION—<i>contd.</i>		
VETERINARY SCIENCE.		
815	Introductory	271
816	List of institutions	271
816	Bombay Veterinary College	271
817	Bengal Veterinary College	272
818	Lahore College and Rajputana and Burma schools	272
819	Principal features of the system of instruction	272
820	Course of instruction	273
821	Practical Training	274
822	System of the Burma school	274
823	Statistics of students	274
824	Employment of passed students	275
825	Expenditure	275
FORESTRY.		
Introductory—		
826	The forests of India	275
827	The Forest Department	275
828	Schools of Forestry	276
Dehra-Dun Forest School—		
829	General	276
830	Classes and entrance qualifications	276
831	Course of study	277
832	Examinations, certificates, and appointments	277
833	Students	277
834	Financial	278
835	Forestry branch of the College of Science, Poona	278
836	Tharawaddy Forest School	278
COMMERCE.		
837	Introductory	279
Madras—		
838	Instruction under the Government scheme of technical examinations	279
839	Government School, Calicut, and Chengalvaraya Nayakar School, Madras	280
Bombay—		
840	Byramji Jijibhai Institution	280
841	Other schools and classes	280
842	Bengal	280
843	United Provinces	280
Punjab—		
844	Municipal Board Clerical and Commercial School, Amritsar	280
845	Other clerical and commercial schools	281
846	Burma	281
ART.		
847	List of schools of art	281
848	Functions of Indian art schools	281
849	Discussion of 1893-96	281
850	School of Art and Industry, Madras	282
853	Sir Jamsetji Jijibhai School of Art, Bombay	283
855	School of Art, Calcutta	283
857	Mayo School of Art, Lahore	284
859	General statistics	285
860	Other institutions returned as schools of art	285
INDUSTRY.		
Introductory—		
861	Indian industries	285
862	Indigenous apprentice system	286
863	Factory apprentices	286
864	Difficulties encountered by industrial schools	286

Paragraph.	Subject.	Page.
CHAPTER VIII.—PROFESSIONAL AND TECHNICAL EDUCATION—<i>concl'd.</i>		
INDUSTRY—<i>cont'd.</i>		
	Industrial schools—	
865	Technical schools and mission schools	287
866	Enumeration of schools	287
872	Controlling agencies	289
	Subjects and methods of instruction —	
873	Class and apprentice systems	289
874	Examination of subjects and methods	289
875	Industrial department of the School of Art, Madras	289
876	Mission and Board schools, Madras	290
877	General statistics, Madras	290
878	Industrial schools, Bombay	291
879	Artisan class, Sibpur	291
880	Industrial schools, Bengal	292
881	Industrial classes, Rurki College	292
882	Government Industrial School, Lucknow	292
884	Mission orphanages, United Provinces	293
885	Public industrial schools, Punjab	293
886	Private industrial schools, Punjab	293
887	Mission orphanages, Central Provinces	293
888	Industrial schools, Berar	294
889	Co-ordination of industrial school teaching and local industries	294
890	General education in industrial schools	294
891	Teachers	295
	Pupils—	
894	Statistics	295
895	Class of pupils found in industrial schools and their careers	296
	Financial—	
896	Expenditure	296
897	Fees and stipends	296
898	Conclusion	297
CHAPTER IX.—FEMALE EDUCATION.		
899	INTRODUCTORY REMARKS	298
900	SCOPE OF THE CHAPTER	298
COLLEGIATE EDUCATION.		
901	Universities and female education	298
902	Colleges	298
903	Students	299
904	Curriculum	299
905	Degrees	299
SECONDARY EDUCATION.		
	Schools—	
906	Statistics	299
907	Management	300
908	Private managed schools	300
	Pupils—	
909	General statistics	300
910	Distribution by race or creed	300
911	Progress	301
912	Indian pupils by provinces	301
913	General results	301
914	Course of studies	301
915	Examinations	302
PRIMARY EDUCATION.		
	Schools—	
917	Statistics	303
918	Strength	303
919	Cost	303

Paragraph.	Subject.	Page.
CHAPTER IX.—FEMALE EDUCATION—<i>contd.</i>		
PRIMARY EDUCATION—<i>contd.</i>		
Schools—<i>contd.</i>		
920	Management	304
921	Grant-in-aid rules	304
923	School life	305
924	Course of studies	305
928	Examinations	306
Pupils—		
929	General statistics	307
931	Classification by race or creed	308
932	Stages of instruction	309
933	Progress by provinces	309
PROFESSIONAL AND TECHNICAL EDUCATION.		
Medicine—		
943	Importance of the subject	313
944	Colleges	313
949	Schools	314
954	Students	315
955	Scholarships	316
956	Training of midwives, nurses, and compounders	316
958	Normal institutions	316
959	Schools of art	317
Technical and industrial training—		
960	General remarks	317
961	General statistics	317
962	Provincial statistics	317
PRIVATE INSTITUTIONS.		
965	General remarks	318
966	Advanced schools	318
967	Koran schools	318
968	Elementary vernacular schools	318
CO-EDUCATION.		
969	Prevalence of the system	319
970	General statistics	319
971	Provincial statistics	320
972	Introduction of the system into the United Provinces	320
HOME CLASSES.		
973	General principles	320
974	Home classes in various provinces	321
975	Grants-in-aid of home classes	321
TEACHERS.		
976	Want of suitable teachers	322
977	Statistics of teachers	322
978	Male and female teachers	322
979	Pay of teachers	323
FINANCIAL.		
980	General statistics	323
981	Expenditure on different classes of institutions	323
982	Expenditure by provinces	323
983	Expenditure by sources	324
Fees—		
984	Statistics	324
985	Regulations	324
Scholarships—		
986	General remarks	325
987	Provincial arrangements	325

Paragraph.	Subject.	Page.
CHAPTER X.—EDUCATION OF EUROPEANS.		
INTRODUCTORY.		
988	The European and Eurasian population	327
989	Definition of "European" and "European School"	327
990	Europeans in native schools and natives in European schools	328
991	Scope of the chapter	328
HISTORY.		
992	General remarks	328
993	From early times to the introduction of the Bengal Code	328
994	Education under the Bengal Code	329
COLLEGIATE EDUCATION.		
996	Arts colleges	330
997	Students	330
999	Degrees	331
SCHOOLS FOR GENERAL EDUCATION.		
1,000	Grades and sections of schools	331
1,001	Secondary and primary schools	331
1,002	Schools for boys and girls	332
1,003	Schools of the hills and plains	332
1,004	Management of schools	332
1,005	Examination by provinces	333
1,029	Defects of the aided system	341
1,030	Educational agencies	342
1,031	Railway schools	342
THE GRANT-IN-AID.		
Recognition of schools—		
1,032	Rules of the Bengal Code	342
1,034	Rules in provinces not under the Bengal Code	343
1,035	Recognition of unaided schools	343
Mode of fixing the grant—		
1,036	Provinces of the Bengal Code	344
1,039	Madras	345
1,040	Bombay	345
1,041	Burma	345
SCHOOL LIFE.		
1,042	Life in different types of schools	346
1,043	Discipline	346
1,044	Moral training	346
1,045	Physical training	346
1,046	Holidays and vacations	346
1,047	Daily routine in two selected schools	347
COURSES OF STUDY.		
Provinces of the Bengal Code—		
1,048	General features of the course	347
1,049	Standards	348
1,050	Infant stage	348
1,051	Primary, middle, and high stages	348
1,052	Description by subjects	349
1,068	High school courses	352
1,070	Illustrative time-tables	353
1,071	Comments on the quality of the teaching	354
Other provinces—		
1,072	Madras	354
1,073	Bombay	355
1,074	Industrial training in poor schools	355

Paragraph.	Subjects.	Page.
CHAPTER X.—EDUCATION OF EUROPEANS—<i>contd.</i>		
EXAMINATIONS.		
1,077	General system	357
1,078	Examinations of the high stage	357
1,079	Middle and primary examinations	357
PUPILS IN PRIMARY AND SECONDARY SCHOOLS.		
1,080	Statistics relating to stages of instruction	358
1,082	Boys and girls	358
TEACHERS.		
1,083	Number	359
1,084	Classes	359
1,085	Qualifications	359
1,087	Training	360
1,090	Pupil-teachers	361
PROFESSIONAL AND TECHNICAL TRAINING.		
1,091	Subjects of professional study	361
1,092	Engineering	361
1,093	Medicine	361
1,094	Law	362
1,095	Technical training	362
GENERAL STATISTICS OF PUPILS.		
1,096	Pupils under instruction	362
1,098	Pupils by provinces	363
1,099	Proportion under instruction, by sexes and provinces	363
EXPENDITURE.		
1,100	General statistics	363
1,101	Cost of educating a child	364
1,102	Fees	364
1,103	Scholarships	364
ARMY SCHOOLS.		
1,104	Introductory	365
1,105	General system	365
1,106	Schools and pupils	365
1,107	Control and inspection	365
1,108	Teachers	366
1,109	School life	366
1,110	Course of instruction	366
1,111	Subjects of study	366
CHAPTER XI.—MUHAMMADAN EDUCATION.		
INTRODUCTORY.		
1,112	Causes of the backwardness of Muhammadan education	367
1,114	Historical retrospect	367
MUHAMMADAN POPULATION.		
1,117	General	369
1,118	Provincial	369
PRESENT STATE OF MUHAMMADAN EDUCATION.		
1,119	Literacy	370
1,120	Total pupils of all classes	370
1,121	Pupils under public instruction	371
1,122	Pupils in different stages of instruction	371
1,123	Pupils in schools for special education	371

Paragraph.	Subject.	Page.
CHAPTER XI.—MUHAMMADAN EDUCATION—<i>contd.</i>		
PROGRESS.		
1,124	General statistics	371
1,125	Provincial statistics	372
1,129	Examination results	373
MUHAMMADAN COLLEGES AND SCHOOLS.		
1,130	Introductory	373
Madras—		
1,131	General statistics	373
1,132	Special schools	374
1,133	Schools for Mappillas	374
Bombay—		
1,134	Mullah schools of Sind	374
1,135	Sind Madrassah	375
1,136	Bombay Madrassah	375
1,137	Urdu Municipal schools, Bombay	375
Bengal—		
1,138	Muhammadan schools of Calcutta	375
1,139	Calcutta Madrassah	375
1,140	Muhammadan schools of the Bengal mofussal	376
1,141	Madrassah examinations	376
United Provinces—		
1,142	General remarks	376
1,143	Muhammadan Anglo-Oriental College, Aligarh	376
Punjab—		
1,145	General remarks	378
1,146	Anjuman schools	378
1,146	Other special schools	378
1,147	North-West Frontier	378
1,148	Burma	379
1,149	Other provinces	379
SPECIAL PECUNIARY ASSISTANCE.		
1,150	General remarks	379
1,151	Description by provinces	379
1,156	STAFF	381
ATTITUDE OF THE MUHAMMADAN COMMUNITY.		
1,157	General remarks	381
1,158	Muhammadan Educational Conference	381
1,159	Provincial activity	382
CHAPTER XII.—EDUCATION OF BACKWARD CLASSES.		
ABORIGINAL RACES AND TRIBES.		
General account—		
1,160	The aboriginal population	383
1,161	Distribution of aboriginal races and tribes	383
1,162	Difficulties attending the education of aborigines	383
1,163	Literacy among the aborigines	384
1,164	Mission education	384
1,165	State encouragement	384
1,166	Statistics of pupils	384
Madras—		
1,167	Aboriginal and backward tribes	384
1,168	Education of tribes of the Agency tracts	384
1,169	Education of Badagas	385
1,170	Education of miscellaneous tribes	385

Paragraph.	Subject.	Page.
CHAPTER XII.—EDUCATION OF BACKWARD CLASSES		
<i>—contd.</i>		
ABORIGINAL RACES AND TRIBES—contd.		
Bombay—		
1,171	Aboriginal and wild tribes	385
1,172	Measures for their education	386
1,173	Statistics of pupils	386
Bengal—		
1,174	Aboriginal and backward races	386
1,175	Schools for aboriginal races	386
1,176	State encouragement	387
1,177	Statistical results	387
Burma—		
1,178	Races dealt with in the Burma Reports	387
1,179	Literacy among non-Burman races	388
1,180	Education of Karens	388
1,181	Education of other indigenous races	389
1,182	Education of Tamils and Telugus	389
1,183	Education of the Chinese	389
Central Provinces—		
1,184	Aboriginal tribes	390
1,185	Their education	390
Assam—		
1,186	The aboriginal population	390
1,187	Literacy among the aboriginal tribes	390
1,188	Schools for aborigines	390
1,189	Statistical results	391
1,190	Berar	391
LOW CASTES.		
Introductory—		
1,191	Causes of the illiteracy of the low castes	391
1,192	Measures for their education	391
1,193	Progress	392
Madras—		
1,194	The Panchamas	392
1,195	General measures for the education of Panchamas	392
1,196	Panchama schools	392
1,197	Statistics of Panchama pupils	392
1,198	Stages of instruction	393
Bombay—		
1,199	Low castes of the Bombay Presidency	393
1,200	Educational arrangements	393
1,201	Statistics of pupils	393
1,202	Bengal	394
1,203	Central Provinces	394
1,204	Berar	394
CHAPTER XIII.—EDUCATION OF DEFECTIVES.		
1,205	Introductory	395
1,206	Education of the blind	395
1,210	Education of deaf-mutes	396
CHAPTER XIV.—REFORMATORY SCHOOLS.		
MEASURES FOR THE RECLAMATION OF YOUTHFUL OFFENDERS.		
1,213	The law relating to youthful offenders	398
1,214	Statistics relating to the disposal of youthful offenders	398
1,216	Particulars regarding the boys admitted to reformatory schools	399
1,221	Female youthful offenders	400

Paragraph.	Subject.	Page.
CHAPTER XIV.—REFORMATORY SCHOOLS—<i>contd.</i>		
INSTITUTIONS.		
1,222	List of schools	400
1,223	Establishment of schools	401
1,224	Buildings	401
CONTROL AND STAFF.		
1,225	Departmental control	401
1,226	Management	402
1,227	Superintending and teaching staff	402
1,228	Guards	403
SCHOOL LIFE AND DISCIPLINE.		
1,229	General features	403
1,230	Conduct of pupils	403
1,231	Discipline	404
1,232	Punishments	404
1,233	Rewards	405
1,234	Physical training	405
1,235	Moral training	406
GENERAL EDUCATION.		
1,236	Hours of study	406
1,237	Curriculum	407
1,238	Details relating to individual schools	407
INDUSTRIAL EDUCATION.		
1,239	The teaching of agriculture and of caste occupations	408
1,240	Systems followed in the several schools	408
EMPLOYMENT AND CONDUCT OF DISCHARGED PUPILS.		
1,247	Statistics of character and employment	410
1,248	Details of employment	411
1,249	Licensing	411
1,250	FINANCIAL	412
1,251	DAVID SASSOON INSTITUTION	412
CHAPTER XV.—PRIVATE INSTITUTIONS.		
GENERAL REMARKS.		
1,252	Meaning of the term	413
1,253	Relationship of the Education Department to private institutions	413
STATISTICS.		
1,254	Unreliable character of the statistics	413
1,255	Main statistical features	414
CLASSES OF PRIVATE SCHOOLS.		
1,256	Arabic and Persian schools	414
1,257	Sanskrit schools	415
1,261	Schools for other oriental classics	417
1,262	Koran schools	417
1,263	Vernacular schools	417
1,265	Other schools	418
CHAPTER XVI.—PHYSICAL AND MORAL TRAINING.		
INTRODUCTORY.		
1,266	Scope of the chapter	419
1,267	Discussion of 1887-1889	419
1,268	Moral influences	419
1,269	Religious instruction	419

Paragraph.	Subject.	Page.
CHAPTER XVI. PHYSICAL AND MORAL TRAINING		
<i>—contd.</i>		
HOSTELS.		
1,270	General remarks and statistics	420
1,271	Provincial progress	420
PHYSICAL EXERCISE AND GAMES.		
1,278	General remarks	422
1,279	Reports of the Directors	422
1,280	OTHER INFLUENCES	425
1,281	GENERAL OBSERVATIONS BY THE DIRECTORS	425
CHAPTER XVII.—TEXT-BOOKS.		
GENERAL ORDERS OF THE GOVERNMENT.		
1,282	Text-book Committees	428
1,283	Orders of 1881	428
1,284	Report of the Education Commission	428
1,285	Orders of February 1900	428
1,286	Summary of the orders	430
1,287	Limitation of the sphere of the Committees	430
DESCRIPTION OF THE EXISTING SYSTEM.		
Constitution of the Committees—		
1,288	Central Committees	430
1,289	Subordinate and Minor Committees	431
1,290	Functions of the Committees	431
1,291	Publication and distribution of books	433
1,292	Work of the Committees	434
CHAPTER XVIII.—EDUCATIONAL CONFERENCES.		
IMPERIAL CONFERENCES.		
1,293	The Simla Conference	435
1,294	Other conferences	435
PROVINCIAL CONFERENCES.		
1,295	General remarks	435
1,296	Madras	435
1,297	Bombay	435
1,298	Bengal	436
1,299	United Provinces	436
1,300	Punjab	436
1,302	Burma	437
1,303	Central Provinces	438
1,304	Assam	438
1,305	Berar	438
CHAPTER XIX.—FINANCE.		
GENERAL ANALYSIS.		
1,306	Scope of the Chapter	439
1,307	Total expenditure on education	439
1,308	Expenditure by provinces	439
1,309	Growth of expenditure by provinces	440
1,310	System followed in the financial statements of the educational returns	440
SOURCES OF EXPENDITURE.		
1,311	Expenditure from public and private sources	441
1,313	Analysis of expenditure from public sources	442

Paragraph.	Subject.	Page.
CHAPTER XIX—FINANCE—<i>contd.</i>		
SOURCES OF EXPENDITURE—<i>contd.</i>		
1,314	Expenditure from Provincial Revenues	442
1,317	Local taxation for educational purposes	443
1,322	Expenditure from Local Board funds	444
1,324	Law and regulations relating to expenditure on education in Municipalities	445
1,326	Expenditure from Municipal funds	446
1,327	Expenditure from private sources	446
1,328	Fees	446
1,329	Miscellaneous private sources	447
OBJECTS OF EXPENDITURE.		
1,330	Classification of expenditure by objects	447
1,331	"Direct" and "indirect" expenditure	448
1,332	Direct expenditure	448
1,334	Indirect expenditure	449
1,335	Expenditure on buildings and equipment	449
1,336	Expenditure on scholarships	449
CHAPTER XX.—SUMMARY.		
1,338	Control and inspection	450
1,339	Collegiate education	450
1,340	Secondary education	450
1,341	Primary education	451
1,342	Chiefs' colleges	451
1,343	Training of teachers	452
1,344	Text-books	452
1,345	Law	452
1,346	Medicine	452
1,347	Engineering	452
1,348	Agriculture	453
1,349	Veterinary science	453
1,350	Forestry	453
1,351	Commerce	453
1,352	Art	453
1,353	Industry	453
1,354	Female education	454
1,355	Education of Europeans	454
1,356	Muhammadan education	454
1,357	Education of aboriginal tribes	454
1,358	Education of low castes	454
1,359	Reformatory schools	455
1,360	Private institutions	455
1,361	Residence of students	455
1,362	Physical training	455
1,363	Finance	455
1,364	Conclusion	456
APPENDIX.		
	Resolution of the Government of India in the Home Department, No. 199—211, dated Calcutta, the 11th March 1904.	457