177. 4; $\frac{1500+2000+3000+1200}{4}$

$=\frac{7700}{4}=1925$

178. 3 179. 3 180. 2

181. 1; Number of valid votes polled in 2002 for other political parties = 11% of 5 crore = 55 lakh
∴ Average number of valid votes polled for winning one seat in 2002 for other political parties
$=\frac{55}{5}=11$ lakh

182. 2; In 1995, 67 to 121,

ie $\frac{54}{67}\times100=80.6\%$

In 2002, 117 to 125, ie $\frac{8}{117}\times100=6.84\%$

183. 1; No. of valid votes in 1998

$=\frac{2.24}{44.8}\times100=5$ crore

No. of valid votes in 1990

$=\frac{1.228}{30.7}\times100=4$ crore

184. 4; 68.68% [125 out of 182]

185. 4

186. 2; TOTAL NUMBER OF WORKERS

Factory	1998 of out of 2000	2000 out of 2400
P	260	264
Q	360	600
R	300	384
S	480	480
T	440	432
U	160	240
	2000	**2400**

187. 3; 160 to 240

188. 3; No. of increased workers in 2000

Factory		
P	—	4
Q	—	240
R	—	84
U	—	80
Total	—	**408**

189. 4; 440 to 432

190. 1; No. of workers in 2000 in top two categories Q and S = 600 + 480 = 1080
No. of workers in 1998 in the lowest two categories P and U = 260 + 160 = 420
∴ Required maximum difference = 1080 – 420 = 660

191. 1; No. of students passed in 'RUBY'
= 40 + 35 + 35 = 110
No. of students passed in 'TOPAZ'
= 70 + 55 + 60 = 185
No. of students passed in 'PEARL'
= 45 + 75 + 65 = 185
No. of students passed in 'SAPPHIRE'
= 60 + 80 + 90 = 230
∴ Average number of students, for each house, who have passed in the given years
$=\frac{110+185+185+230}{12}$

$=\frac{710}{12}=59$

192. 4; Refer Q. 191

193. 2; 45 to 75 (from 1998 to 1999), ie 66.67%

194. 4; **Number of Students Passing The Exam in 2001**

House	No. of Students Passed	(1999-2000-2001)
Ruby	35	(35 – 35 – 35)
Topaz	65	(55 – 60 – 65)
Pearl	55	(75 – 65 – 55)
Sapphire	100	(80 – 90 – 100)
Total	255	

195. 1; In 1998, out of 250 students, number of students passed = 70 + 60 + 45 + 40 = 215
Percentage of students passed in

1998 $=\frac{215}{250}\times100=\frac{215\times2}{5}=86$

In 1999, out of 300 students, number of students passed = 80 + 75 + 55 + 35 = 245

Percentage of students passed in

1999 $=\frac{245}{300}\times100=82$

In 2000, out of 350 students, number of students passed = 90 + 65 + 60 + 35 = 250

Percentage of students passed in

2000 $=\frac{250}{350}\times100=\frac{500}{7}=71$

196. 3 197. 2 198. 2

199. 1 200. 4