

Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Personnel Directorate: Recruitment Section)

// NOTICE //

Sub : **DECLARATION OF RESULT OF WRITTEN EXAMINATION OF WATER WING EXAMINATION -2022 HELD ON 28th AUG' 2022**

The OMR based written examination for recruitment for the various Group 'B' & 'C' posts i.e SI (Master), SI (Engine Driver), SI (Workshop), HC (Master), HC (Engine Driver), HC (Workshop) and CT (Crew) of BSF Water Wing Exam-2022 were conducted at different examination centres on 28TH Aug' 2022.

2. As per detailed advertisement notice of subject recruitment, candidates have been '**Provisionally**' shortlisted for 2nd selection phase of recruitment i.e Physical Efficiency Test (PET), Physical Standard Test (PST), Documentation, Trade Test and Detailed Medical Examination (DME)/ Review Medical Examination (RME) by restricting to five (05) times the number of vacancies advertised or number of candidates qualified in Written Examination whichever is lesser. Scheduled Castes (SC) and Scheduled Tribe candidates securing less than 33% marks and Unreserved (UR), Other Backward Class (OBC) and Economically Weaker Section (EWS) candidates securing less than 35% marks have not been considered for shortlisting for 2nd selection phase.

3. The shortlisting of candidates have been done on the basis of marks secured by them in written examination. Post wise, trade wise and category-wise details of 'Cut-off' marks are as follows :-

Post	Trade	Category Details of Cut-Off Marks				
		UR	EWS	OBC	SC	ST
SI(Master)		41	NA	53	36	38
SI(ED)	-	36	NA	39	33	NA
SI(Workshop)	-	79	71	NV	NV	NV
HC(Master)	-	41	37	35	40	33
HC(ED)	-	35	NA	35	38	36
HC(Workshop)	Mechanic (Diesel/Petrol Engine)	78	73	78	72	70
	Electrician	80	75	NV	NV	NV
	AC Technician	73	NV	NV	NV	NV
	Electronics	80	NV	NV	NV	NV
	Machinist	79	NV	NV	NV	NV
	Carpenter	62	NV	NV	NV	NV
	Plumber	74	NV	NV	NV	NV
CT (Crew)	-	61	48	64	56	54

Note : i) 'NA' denotes 'Non-Availability of candidates' in respective category and 'NV' denotes 'No Vacancy'

Contd....2/-

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ii) The above cut-off marks is only reckoned to restrict the candidates' eligibility for appearing in the second selection phase of recruitment and do not have any relation with the Final merit cum selection list.

5. Result of 03 candidates who were found using unfair means in the written examination i.e debarred after verifying from video recording have not been processed and these candidates have been disqualified by the concerned Recruiting Agencies (RAs) from appearing in subsequent selection stages of recruitment. Roll Number of these candidates are as follows :-

33300070	33300071	33300072
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6. Second selection phase i.e Documentation, PST, PET, Trade Test & Detailed Medical Examination (DME)/Review Medical Examination (RME) will be conducted w.e.f 01.11.2022 onwards. Admit cards/call letters to candidates qualified for 2nd selection phase will be issued by concerned Recruiting Agency (RA) in the due course of time. General instructions and schedule/venue of second selection phase will be updated by the RAs on BSF official website shortly. Candidates are advised to visit the website regularly for updates.

7. Answer Keys of subject written examination is attached herewith for information of all candidates.

8. Although every care has been taken in preparing the result, BSF reserves the right to rectify errors and omission, if any about the correctness of the result.

Encl : **Result & Answer Keys** (27 leaves)

Commandant (Recruitment)
29 Sept' 2022



BORDER SECURITY FORCE

ROLL NUMBER WRITTEN EXAMINATION OF WATER WING RECTT.-2022

SI (MASTER)

23100029	23800048	23100017	23800045
23800001	23100016	23800041	23800058
23600001	23800011	23800040	23300001
23100027	23600005	23400051	23100026
23200001	23100041	23800044	23800046
23800016	23600025	23200008	23400009
23600007	23100025	23400028	23100030
23400019	23100004	23200006	23800032
23400022	23600010	23800012	23800005
23400012	23600011		

SI (ENGINE DRIVER)

73200011	73400016	73800051	73800029
73100019	73400003	73100018	73600004
73800034	73400010	73400015	73600001
73300007	73100014	73200013	73800021
73800048	73300009	73100012	

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SI (WORKSHOP)

13800119	13100443	13100003	13800476
13801554	13800944	13800513	13300009
13800034	13801413	13801468	13801458
13801377	13800585	13800846	13801412

HC (MASTER)

33100159	33800138	33100155	33100156
33100153	33100157	33100158	33100160
33100166	33100161	33100154	33800039
33100175	33800593	33800695	33100199
33800592	33800701	33800624	33800622
33800401	33800670	33800744	33800377
33800016	33100176	33600089	33800434
33800007	33800533	33100004	33100093
33100110	33800718	33200001	33800352
33800330	33800722	33100260	33800408
33100220	33800465	33100073	33800413
33800344	33100241	33800229	33300054
33800755	33800599	33800284	33800589
33800685	33800420	33800064	33100186
33100177	33100238	33800714	33100237
33800582	33800088	33800372	33800136
33800705	33800371	33800244	33100192
33400169	33100145	33800040	33800711
33400112	33600026	33100182	33800396
33800117	33800097	33800658	33800687
33600120	33800517	33700001	33800382
33800411	33400095	33400018	33800424
33100262	33800118	33100258	33800091
33800230	33100045	33300069	33800141
33800729	33400236	33400130	33800028
33800617	33800160	33600073	33100147

33800226	33300038	33300019	33800150
33800094	33300074	33800514	33600065
33300062	33200075	33800680	33100187
33800759	33800036	33800384	33200074
33800061	33100179	33600055	33800587
33800148	33700016	33300042	33400159
33100190	33400044	33200069	33400192
33600108	33200031	33800001	33400173
33400165	33800428	33600042	33200081
33100103	33400022	33800590	33400101
33800594	33800153	33200047	33800643
33100168	33300033	33100140	33800332
33600110	33800274	33600068	33100210
33400151	33300017	33600101	33600054
33100005	33800276	33800703	33300036
33100208	33100012	33800619	33600078
33400086	33400156	33600127	33800017
33100183	33400181	33100029	33200006
33400068	33400074	33300055	33800366
33800077	33800145	33800327	33800600
33800496	33800461	33100239	33300010
33100118	33400087	33600075	33200048
33800294	33400073	33400180	33100198
33800065	33800302	33600126	33300021
33100244	33800155	33100200	33800095
33400183	33400189	33600099	33600027
33800650	33100032	33100144	33800452
33800487	33100167	33100169	33100170
33800450	33800365	33600119	33100089
33100098	33800606	33100033	33600123
33800567	33600125	33400090	33100087
33600031	33100061	33800554	33800707
33400098	33600002	33800674	33800329
33800015	33100113	33400058	33800303
33100263	33300049	33100123	33800492
33800629	33800412	33200040	33400186

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33400134	33600011	33100002	33800416
33200039	33700011	33600066	33600013
33200061			

HC (ENGINE DRIVER)

53300008	53800166	53800335	53800244
53800230	53100194	53800012	53800257
53800246	53800243	53800360	53800319
53200037	53800420	53800091	53100193
53800304	53800507	53800208	53800366
53100171	53800495	53400126	53800357
53100190	53800218	53800198	53600049
53400086	53800210	53100078	53800272
53800445	53800492	53100065	53600044
53100164	53100111	53800288	53600024
53800088	53800117	53800437	53800043
53100019	53400109	53800321	53800197
53600025	53100061	53800485	53800481
53800178	53600015	53100018	53400120
53800423	53800400	53200010	53400099
53400075	53800285	53200047	53800264
53800010	53100037	53400105	53800332
53800006	53200006	53500001	53800347
53100016	53400003	53800286	53600035
53800242	53800351	53100207	53800181
53100120	53800330	53800382	53800486
53100066	53800082	53800394	53100033
53800525	53800027	53800436	53800444
53800081	53400050	53800225	53800192
53800133	53300044	53800140	53800498
53800107	53800235	53300037	53600045
53800454	53800183	53100127	53100052
53300058	53800090	53400010	53100081
53800440	53100068	53800215	53300006

53600050	53800527	53800263	53200007
53100160	53300050	53800173	53800226
53800087	53300001	53100147	53300032
53400107	53100028	53400077	53800422
53200039	53100191	53200044	53800282
53100089	53800274	53800124	53800079
53800083	53800480	53800514	53800338
53800015	53100023	53800066	53300005
53800301	53300074	53800184	53100205
53800511	53100071	53400110	53600039
53100177	53400035	53800478	53800062
53800013	53800434	53800447	53800405
53400104	53100159	53800271	53100155
53400032	53800390	53100010	53800053
53800255	53100008	53400020	53800397
53100056	53100024	53800344	53300069
53800331	53600008	53100034	53800164
53400124	53800259	53800322	53300064
53800086	53800222	53800028	53800237
53300014	53800524	53100025	53800270
53300036	53400057	53800378	53100045
53200011	53800152	53100041	53100027
53800100	53400049	53100150	xxxxxxxxxx
53100192	53100015	53800337	53100122
53400001	53400026	53800046	53100200
53400096	53200031	53800176	53800004
53100105	53300066	53100172	53400142
53800501	53200016		

HC (WORKSHOP)

TRADE : MECHANIC (DIESEL/PETROL) ENGINE

43100558	43100061	43800975	43801676
43800858	43800015	43700001	43800537
43800303	43801014	43100212	43100248
43100002	43100186	43801616	43100029
43100180	43800299	43801725	43300179
43100211	43801640	43500020	43100030
43801533	43801504	43100350	43100547
43100281	43100102	43300064	43100138
43100059	43801854	43800471	43800100
43801439	43600227	43801002	43801589
43801407	43100480	43800759	43800286
43100375	43100421	43801516	43801442
43801299	43100130	43100539	43801762
43800831	43100017	43100356	43100116
43800804	43300223	43801087	43800382
43801821	43801404	43800766	43800424
43800642	43100249	43800902	43801510
43800039	43100450	43801488	43500003
43801668	43800862	43801300	43800163
43800215			

TRADE : ELECTRONICS

43101175	43101214	43100970	43100738
43101113			

TRADE : AC TECHNICIAN

43804260	4380447	43804403	43804404
43101382			

TRADE : ELECTRICIAN

43804091	43802158	43802442	43803865
43803795	43802232	43600599	43804120
43600606	43700032	43802058	43300399
43802753			

TRADE : MACHINIST

43804793	43101597	43600789	43804845
43101571	43101498		

TRADE : CARPENTER

43805081	43805191	43805137	43805068
43805276	43101625	43805085	43805220
43805179	43805059	43805140	

TRADE : PLUMBER

43805284	43101730	43101805	43600907
43805583	43805530	43805522	43805569
43805510	43805513	43805479	

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CT (CREW)

63801009	63800063	63800376	63800786
63801015	63800037	63800801	63800846
63801209	63801011	63800061	63800938
63800769	63800380	63800301	63800778
63300237	63600130	63800377	63800305
63800491	63300002	63801169	63600117
63801012	63800283	63800420	63801123
63800993	63800026	63100003	63800196
63800817	63800508	63600238	63800825
63600237	63800023	63800369	63600247
63801355	63100859	63500131	63100065
63101341	63300352	63600118	63800100
63300269	63300317	63800407	63200183
63800385	63300323	63300315	63801122
63100595	63100742	63800355	63801080
63100044	63300344	63101238	63101456
63800276	63801021	63800105	63500122
63300353	63101598	63800272	63300174
63100855	63101605	63300286	63100027
63800055	63101440	63801423	63101486
63300278	63800104	63800536	63800391
63800691	63100818	63801026	63100282
63800952	63801331	63200142	63101495
63300430	63100334	63800966	63800408
63600219	63500132	63800101	63800881
63200263	63800686	63800955	63801301
63101193	63800214	63801106	63800652
63800155	63100825	63800440	63800685
63801290	63100642	63100722	63100021
63101254	63101767	63800367	63800278
63801102	63500035	63300314	63300320
63100024	63801202	63801005	63800687

63800775	63100800	63100706	63100583
63700041	63800133	63500075	63500059
63100064	63800595	63800914	63800261
63100118	63101601	63801136	63801462
63300047	63800246	63500123	63100456
63200062	63800563	63600200	63800548
63801265	63101607	63801175	63801013
63500128	63400244	63600306	63600276
63801455	63100201	63100703	63800880
63500117	63801115	63101307	63800980
63101264	63800421	63200239	63100698
63801532	63800841	63100906	63300089
63101519	63800884	63100045	63300404
63100264	63500071	63500121	63100082
63100904	63101294	63101540	63801251
63100853	63801416	63101012	63800304
63800075	63800570	63800533	63101306
63100826	63800916	63600129	63101569
63800415	63801236	63600069	63101603
63801028	63800604	63300067	63800389
63100739	63101172	63801282	63600098
63800290	63800558	63800302	63801229
63101445	63300222	63101359	63200238
63200057	63300088	63800314	63400238
63800448	63801141	63200136	63800189
63800111	63600192	63800740	63800994
63600070	63300354	63801255	63101364
63800416	63800999	63801031	63300350
63800560	63800103	63700119	63300086
63800154	63800315	63101366	63600236
63800286	63101402	63800032	63300433
63801024	63300052	63100933	63800559
63300281	63100798	63101272	63300306
63800598	63300101	63300348	63800549
63100997	63101747	63800423	63300011
63100744	63800917	63801403	63100738
63100882	63300359	63800844	63800424
63101174	63300121		

63100464	63800822	63700017	63101781
63101788	63100175	63800102	63100584
63100119	63600085	63200147	63100320
63100936	63100734	63801161	63500093
63800791	63801189	63800231	63800321
63200138	63801160	63800136	63800996
63801408	63800152	63101400	63801346
63300298	63800151	63200145	63300216
63800619	63100971	63801196	63800060
63600153	63300338	63300346	63101679
63100686	63300347	63200078	63100528
63800645	63800130	63800417	63800875
63101187	63801069	63600049	63801498
63801035	63101344	63100212	63101293
63800150	63100952	63800792	63300219
63300140	63100646	63300185	63801045
63100849	63800171	63800142	63800379
63801353	63801273	63600116	63100029
63100799	63801066	63800439	63100036
63300189	63300392	63101606	63200053
63801508	63800293	63600186	63800035
63600010	63200134	63801456	63600239
63200277	63300384	63100040	63801368
63101573	63800879	63100171	63801099
63200178	63101350	63200198	63100039
63801158	63101673	63800462	63500099
63300175	63200115	63100117	63800677
63101449	63801208	63101137	63800450
63200129	63101352	63800251	63800313
63101473	63800186	63800939	63300103
63800017	63500070	63101579	63300267
63600201	63800412	63300169	63600175
63600245	63101672	63101494	63800910
63600045	63100463	63300341	63300141
63101115	63600115	63600099	63300078
63800562	63800633	63300374	63800073

63100490	63100912	63801148	63801188
63800406	63801339	63800029	63801365
63800009	63300340	63100449	63300157
63600094	63800572	63801536	63100035
63101608	63300257	63100768	63101513
63801404	63200092	63800003	63300223
63800308	63801023	63801256	63800401
63600252	63600206	63800372	63100402
63800052	63800815	63800153	63101164
63300434	63200180	63801081	63800831
63300218	63801174	63200186	63101317
63100977	63800488	63600164	63100311
63200093	63101439	63100623	63300332
63800451	63101510	63800676	63300292
63101300	63800357	63100346	63801157
63801205	63801027	63800535	63600234
63801411	63800667	63101113	63300102
63800816	63600187	63800943	63801343
63300042	63700006	63101570	63800661
63800556	63100031	63800526	63101128
63300007	63100874	63101604	63101216
63101284	63800581	63101227	63300342
63800785	63100930	63300122	63700127
63100785	63100544	63800452	63800218
63101291	63801068	63801114	63100321
63800067	63800964	63800280	63101628
63100322	63800843	63600194	63801166
63101559	63801025	63100095	63500136
63600280	63500091	63800366	63400234
63101243	63101132	63300187	63100277
63300224	63300126	63800500	63800373
63800728	63800220	63800178	63600103
63800761	63100683	63801315	63100942
63801289	63700009	63300137	63600105
63100991	63800727		

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63801010	63100905	63800505	63800312
63100907	63101309	63800774	63100466
63800033	63300312	63800022	63800038
63800074	63100861	63700020	63800519
63600163	63801103	63600082	63101599
63800512	63801425	63800042	63800756
63101793	63100714	63800399	63801000
63800434	63700014	63100990	63300215
63101159	63801168	63100186	63100782
63500034	63300280	63800539	63600134
63801032	63800703	63100228	63300290
63800653	63700022	63800502	63801107
63200182	63101011	63101713	63800516
63101361	63300087	63800760	63801407
63100126	63101210	63101065	63600111
63600249	63100568	63700005	63800483
63101314	63101623	63800387	63101261
63800294	63100725	63801152	63500089
63101564	63800381	63100763	63101791
63800054	63800617	63800201	63800475
63200059	63300049	63801528	63101617
63800885	63300291	63300091	63200241
63800637	63300236	63800694	63500118
63800137	63800553	63100662	63300155
63101316	63801082	63800988	63100760
63800998	63101615	63200051	63101177
63101289	63800947	63801084	63101158
63800771	63800776	63801206	63800907
63800852	63100804	63800525	63400245
63800327	63101420	63801486	63101372
63101578	63100080	63100898	63101779
63800898	63300334	63800977	63100836
63800693	63101498	63600318	63600110
63600304	63600072	63700035	63200175



63100290	63100063	63801514	63200143
63101029	63100286	63100288	63101285
63100412	63100913	63300316	63100302
63101007	63100976	63800748	63200060
63100215	63200152	63800316	63101064
63801533	63100665	63800913	63101156
63101014	63110520	63600211	63100805
63800933	63200190	63101558	63801003
63100670	63800796	63801055	63500097
63100306	63100232	63101353	63101057
63100813	63101581	63800972	63200146
63801063	63300115	63100008	63101650
63801060	63100409	63100239	63100753
63100325	63100688	63801130	63100658
63800405	63100754	63100944	63800297
63500119	63300208	63100654	63100659
63100644	63101008	63101190	63101274
63101580	63600044	63100048	63800229
63101040	63800804	63500030	63801386
63101178	63800227	63801261	63100808
63800530	63800911	63100996	63100324
63100049	63800168	63600281	63801414
63100067	63801311	63100319	63100317
63100601	63800798	63801446	63100485
63101114	63801263	63101409	63200272
63801304			



COMMANDANT (RECTT)

29/9/2022
Sept' 2022

ANSWER KEY OF SI (MASTER)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	A	1	C	1	D	1	A
2	C	2	D	2	B	2	B
3	D	3	A	3	A	3	C
4	A	4	D	4	D	4	C
5	C	5	B	5	A	5	D
6	C	6	A	6	C	6	A
7	B	7	D	7	A	7	D
8	C	8	A	8	D	8	B
9	B	9	C	9	A	9	A
10	B	10	A	10	C	10	D
11	B	11	D	11	D	11	A
12	A	12	A	12	A	12	C
13	B	13	C	13	C	13	A
14	C	14	D	14	C	14	D
15	C	15	A	15	B	15	A
16	D	16	C	16	C	16	C
17	A	17	C	17	B	17	D
18	D	18	B	18	B	18	A
19	B	19	C	19	B	19	C
20	A	20	B	20	A	20	C
21	D	21	B	21	B	21	B
22	A	22	B	22	C	22	C
23	C	23	A	23	C	23	B
24	A	24	B	24	D	24	B
25	D	25	C	25	A	25	B
26	B	26	C	26	D	26	D
27	A	27	B	27	A	27	A
28	C	28	B	28	D	28	D
29	C	29	D	29	A	29	C
30	C	30	A	30	D	30	D
31	A	31	D	31	C	31	A
32	C	32	A	32	D	32	B
33	D	33	D	33	A	33	A
34	D	34	A	34	B	34	C
35	C	35	D	35	A	35	B
36	B	36	C	36	C	36	A
37	B	37	D	37	B	37	C
38	D	38	A	38	A	38	C
39	A	39	B	39	C	39	C
40	D	40	A	40	C	40	A
41	A	41	C	41	C	41	C
42	D	42	B	42	A	42	D
43	A	43	A	43	C	43	D
44	D	44	C	44	D	44	C
45	C	45	C	45	D	45	B
46	D	46	C	46	C	46	B
47	A	47	A	47	B	47	D
48	B	48	C	48	B	48	A
49	A	49	D	49	D	49	D
50	C	50	D	50	A	50	A

51	D
52	A
53	A
54	C
55	C
56	A
57	A
58	A
59	A
60	C
61	A
62	D
63	C
64	A
65	B
66	A
67	A
68	B
69	C
70	A
71	C
72	A
73	C
74	D
75	B
76	A
77	C
78	D
79	B
80	A
81	A
82	C
83	B
84	B
85	D
86	C
87	A
88	A
89	A
90	A
91	A
92	D
93	B
94	A
95	B
96	C
97	A
98	D
99	B
100	A

51	B
52	A
53	A
54	B
55	C
56	A
57	C
58	A
59	C
60	D
61	B
62	D
63	A
64	A
65	C
66	C
67	A
68	A
69	A
70	A
71	C
72	A
73	D
74	C
75	A
76	D
77	C
78	A
79	A
80	A
81	A
82	A
83	D
84	B
85	A
86	B
87	C
88	A
89	D
90	B
91	A
92	A
93	C
94	D
95	B
96	A
97	A
98	C
99	B
100	B

51	A
52	D
53	C
54	A
55	B
56	A
57	A
58	B
59	C
60	A
61	C
62	A
63	C
64	D
65	B
66	D
67	A
68	A
69	C
70	C
71	A
72	A
73	A
74	A
75	C
76	A
77	A
78	A
79	A
80	D
81	B
82	A
83	B
84	C
85	A
86	D
87	B
88	A
89	A
90	C
91	D
92	B
93	A
94	A
95	C
96	B
97	B
98	D
99	C
100	A

51	A
52	B
53	C
54	A
55	C
56	A
57	C
58	D
59	B
60	D
61	A
62	A
63	C
64	C
65	A
66	A
67	A
68	A
69	C
70	A
71	D
72	C
73	A
74	B
75	A
76	A
77	A
78	D
79	B
80	A
81	B
82	C
83	A
84	D
85	B
86	A
87	A
88	C
89	D
90	B
91	A
92	A
93	C
94	B
95	B
96	D
97	C
98	A
99	A
100	A

4

ANSWER KEY OF SI (ENGINE DRIVER)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	B	1	A	1	C	1	C
2	B	2	B	2	C	2	A
3	C	3	B	3	D	3	A
4	C	4	B	4	C	4	B
5	A	5	C	5	C	5	B
6	A	6	C	6	A	6	B
7	A	7	D	7	A	7	C
8	C	8	C	8	B	8	C
9	C	9	C	9	B	9	D
10	B	10	A	10	C	10	C
11	C	11	A	11	C	11	C
12	A	12	B	12	A	12	A
13	C	13	B	13	A	13	A
14	A	14	C	14	A	14	B
15	A	15	C	15	C	15	B
16	B	16	A	16	C	16	C
17	B	17	A	17	B	17	C
18	B	18	A	18	C	18	A
19	C	19	C	19	A	19	A
20	C	20	C	20	C	20	A
21	D	21	B	21	A	21	C
22	C	22	C	22	A	22	C
23	C	23	A	23	B	23	B
24	A	24	C	24	B	24	C
25	A	25	A	25	B	25	A
26	A	26	A	26	C	26	D
27	A	27	A	27	D	27	A
28	A	28	B	28	D	28	B
29	C	29	C	29	A	29	A
30	A	30	C	30	B	30	A
31	A	31	A	31	A	31	B
32	C	32	C	32	A	32	C
33	D	33	B	33	B	33	C
34	A	34	B	34	C	34	A
35	C	35	C	35	C	35	C
36	D	36	B	36	A	36	B
37	D	37	A	37	C	37	B
38	A	38	A	38	B	38	C
39	B	39	A	39	B	39	B
40	A	40	C	40	C	40	A
41	A	41	A	41	B	41	A
42	B	42	A	42	A	42	A
43	C	43	C	43	A	43	C
44	C	44	D	44	A	44	A
45	A	45	A	45	C	45	A
46	C	46	C	46	A	46	C
47	B	47	D	47	A	47	D
48	B	48	D	48	C	48	A
49	C	49	A	49	D	49	C
50	B	50	B	50	A	50	D

51	A
52	B
53	C
54	D
55	B
56	B
57	C
58	A
59	D
60	C
61	A
62	B
63	D
64	C
65	B
66	A
67	D
68	C
69	A
70	B
71	A
72	C
73	C
74	D
75	A
76	D
77	A
78	C
79	A
80	C
81	C
82	B
83	C
84	B
85	C
86	D
87	A
88	C
89	A
90	B
91	A
92	D
93	D
94	C
95	B
96	A
97	C
98	D
99	C
100	D

51	C
52	A
53	B
54	D
55	C
56	B
57	A
58	D
59	C
60	A
61	B
62	A
63	C
64	C
65	D
66	A
67	A
68	B
69	C
70	D
71	B
72	B
73	C
74	A
75	D
76	C
77	D
78	A
79	C
80	A
81	B
82	A
83	D
84	D
85	C
86	B
87	A
88	C
89	D
90	C
91	D
92	D
93	A
94	C
95	A
96	C
97	C
98	B
99	C
100	B

51	D
52	C
53	A
54	B
55	A
56	C
57	C
58	D
59	A
60	A
61	B
62	C
63	D
64	B
65	B
66	C
67	A
68	D
69	C
70	A
71	B
72	D
73	C
74	D
75	A
76	B
77	A
78	D
79	D
80	C
81	B
82	A
83	C
84	D
85	C
86	D
87	D
88	A
89	C
90	A
91	C
92	C
93	B
94	C
95	B
96	C
97	D
98	A
99	C
100	A

51	D
52	C
53	B
54	A
55	D
56	C
57	A
58	B
59	A
60	C
61	C
62	D
63	A
64	A
65	B
66	C
67	D
68	B
69	B
70	C
71	A
72	D
73	C
74	A
75	B
76	C
77	B
78	C
79	D
80	A
81	C
82	A
83	B
84	A
85	D
86	D
87	C
88	B
89	A
90	C
91	D
92	C
93	D
94	D
95	A
96	C
97	A
98	C
99	C
100	B

51

ANSWER KEY OF SI (WORKSHOP)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	B	1	D	1	C	1	C
2	B	2	C	2	D	2	B
3	B	3	D	3	A	3	D
4	D	4	C	4	B	4	D
5	B	5	D	5	B	5	C
6	B	6	A	6	B	6	D
7	C	7	B	7	A	7	C
8	A	8	B	8	C	8	D
9	A	9	B	9	B	9	A
10	D	10	A	10	B	10	B
11	B	11	C	11	B	11	B
12	C	12	B	12	D	12	B
13	B	13	B	13	B	13	A
14	D	14	B	14	B	14	C
15	D	15	D	15	C	15	B
16	C	16	B	16	A	16	B
17	D	17	B	17	A	17	B
18	C	18	C	18	D	18	D
19	D	19	A	19	B	19	B
20	A	20	A	20	C	20	B
21	B	21	D	21	B	21	C
22	B	22	B	22	D	22	A
23	B	23	C	23	D	23	A
24	A	24	B	24	C	24	D
25	C	25	D	25	D	25	B
26	A	26	A	26	C	26	C
27	B	27	A	27	B	27	D
28	D	28	A	28	C	28	A
29	C	29	C	29	D	29	C
30	C	30	B	30	A	30	B
31	B	31	C	31	C	31	C
32	A	32	B	32	B	32	B
33	A	33	C	33	C	33	D
34	B	34	D	34	B	34	C
35	A	35	A	35	D	35	A
36	A	36	C	36	C	36	B
37	A	37	B	37	A	37	D
38	C	38	C	38	B	38	C
39	B	39	B	39	D	39	C
40	C	40	D	40	C	40	B
41	B	41	C	41	C	41	A
42	C	42	A	42	B	42	A
43	D	43	B	43	A	43	B
44	A	44	D	44	A	44	A
45	C	45	C	45	B	45	A
46	B	46	C	46	A	46	A
47	C	47	B	47	A	47	C
48	B	48	A	48	A	48	B
49	D	49	A	49	C	49	C
50	C	50	B	50	B	50	B
51	C	51	D	51	A	51	A

52	A	52	D	52	D	52	C
53	D	53	A	53	A	53	B
54	D	54	C	54	C	54	C
55		55	B	55	D	55	D
56	C	56	C	56	D	56	B
57	D	57	D	57	A	57	B
58	B	58	B	58	C	58	A
59	B	59	D	59	B	59	C
60	C	60	A	60	C	60	C
61	A	61	C	61	D	61	A
62	D	62	C	62	B	62	D
63	A	63	A	63	D	63	D
64	C	64	D	64	A	64	
65	D	65	D	65	C	65	C
66	D	66		66	C	66	D
67	A	67	C	67	A	67	B
68	C	68	D	68	D	68	B
69	B	69	B	69	D	69	C
70	C	70	B	70		70	A
71	D	71	C	71	C	71	D
72	B	72	A	72	D	72	A
73	D	73	D	73	B	73	C
74	A	74	A	74	B	74	D
75	C	75	C	75	C	75	D
76	A	76	B	76	B	76	C
77	C	77	D	77	D	77	B
78	A	78	C	78	C	78	C
79	B	79	B	79	B	79	B
80	C	80	D	80	C	80	B
81	C	81	C	81	B	81	A
82	B	82	B	82	B	82	A
83	A	83	C	83	A	83	D
84	A	84	B	84	A	84	D
85	B	85	B	85	D	85	B
86	D	86	A	86	D	86	D
87	C	87	A	87	B	87	A
88	B	88	D	88	D	88	C
89	D	89	D	89	A	89	A
90	C	90	B	90	C	90	B
91	B	91	D	91	A	91	C
92	C	92	A	92	B	92	C
93	B	93	C	93	C	93	B
94	B	94	A	94	C	94	A
95	A	95	B	95	B	95	A
96	A	96	C	96	A	96	B
97	D	97	C	97	A	97	D
98	D	98	B	98	B	98	C
99	B	99	A	99	D	99	B
100	D	100	A	100	C	100	D

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ANSWER KEY OF HC (MASTER)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	C	1	C	1	C	1	A
2	D	2	C	2	C	2	A
3	B	3	A	3	C	3	C
4	D	4	D	4	D	4	A
5	C	5	B	5	B	5	B
6	B	6	C	6	A	6	C
7	D	7	C	7	C	7	D
8	D	8	C	8	B	8	B
9	C	9	D	9	B	9	D
10	B	10	B	10	B	10	C
11	C	11	A	11	A	11	B
12	C	12	C	12	A	12	D
13	B	13	B	13	C	13	D
14	D	14	B	14	A	14	C
15	B	15	B	15	B	15	B
16	C	16	A	16	C	16	C
17	C	17	A	17	D	17	C
18	A	18	C	18	B	18	B
19	D	19	A	19	D	19	D
20	B	20	B	20	C	20	B
21	C	21	C	21	B	21	C
22	C	22	D	22	D	22	C
23	C	23	B	23	D	23	A
24	D	24	D	24	C	24	D
25	B	25	C	25	B	25	B
26	A	26	B	26	C	26	C
27	C	27	D	27	C	27	C
28	B	28	D	28	B	28	C
29	B	29	C	29	D	29	D
30	B	30	B	30	B	30	B
31	A	31	C	31	C	31	A
32	A	32	C	32	C	32	C
33	C	33	B	33	A	33	B
34	A	34	D	34	D	34	B
35	B	35	B	35	B	35	B
36	C	36	A	36	D	36	B
37	C	37	B	37	B	37	B
38	D	38	D	38	A	38	C
39	C	39	C	39	D	39	B
40	B	40	D	40	C	40	D
41	A	41	D	41	B	41	A
42	D	42	B	42	B	42	B
43	D	43	A	43	B	43	C
44	D	44	D	44	A	44	A
45	A	45	C	45	B	45	B
46	B	46	B	46	C	46	C
47	D	47	B	47	B	47	C

48	C
49	D
50	D
51	B
52	A
53	D
54	C
55	B
56	B
57	B
58	A
59	B
60	C
61	B
62	B
63	C
64	B
65	D
66	A
67	B
68	C
69	A
70	B
71	B
72	D
73	C
74	A
75	A
76	D
77	B
78	C
79	C
80	C
81	D
82	D
83	B
84	D
85	A
86	B
87	A
88	A
89	B
90	D
91	B
92	A
93	A
94	B
95	A
96	C
97	D
98	B
99	B
100	D

48	B
49	A
50	B
51	C
52	B
53	B
54	C
55	B
56	D
57	A
58	B
59	C
60	A
61	B
62	C
63	C
64	D
65	C
66	B
67	A
68	D
69	D
70	D
71	B
72	A
73	A
74	B
75	D
76	B
77	A
78	A
79	B
80	A
81	C
82	D
83	B
84	B
85	D
86	B
87	D
88	C
89	A
90	A
91	D
92	B
93	C
94	C
95	C
96	D
97	D
98	B
99	D
100	A

48	B
49	C
50	B
51	D
52	A
53	B
54	C
55	A
56	B
57	A
58	B
59	D
60	C
61	D
62	C
63	C
64	D
65	C
66	B
67	A
68	D
69	D
70	D
71	B
72	A
73	A
74	B
75	A
76	C
77	D
78	B
79	B
80	D
81	D
82	D
83	B
84	D
85	A
86	B
87	A
88	A
89	B
90	D
91	B
92	D
93	C
94	A
95	A
96	D
97	B
98	C
99	C
100	C

48	D
49	C
50	B
51	A
52	D
53	D
54	D
55	A
56	B
57	D
58	C
59	D
60	D
61	B
62	A
63	D
64	C
65	B
66	B
67	B
68	A
69	B
70	C
71	B
72	D
73	B
74	A
75	A
76	B
77	A
78	C
79	D
80	B
81	B
82	D
83	C
84	C
85	D
86	D
87	B
88	D
89	A
90	B
91	A
92	A
93	B
94	D
95	C
96	A
97	A
98	D
99	B
100	C

↓

ANSWER KEY OF HC (ENGINE DRIVER)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	D	1	B	1	A	1	A
2	A	2	B	2	B	2	A
3	B	3	D	3	A	3	B
4	D	4	C	4	A	4	A
5	C	5	C	5	B	5	C
6	C	6	A	6	C	6	D
7	A	7	B	7	D	7	A
8	D	8	A	8	C	8	B
9	C	9	A	9	C	9	D
10	C	10	B	10	C	10	C
11	A	11	C	11	A	11	C
12	D	12	D	12	A	12	A
13	C	13	C	13	B	13	D
14	A	14	C	14	A	14	C
15	B	15	C	15	C	15	C
16	B	16	A	16	D	16	A
17	B	17	A	17	A	17	D
18	D	18	B	18	B	18	C
19	C	19	A	19	D	19	A
20	C	20	C	20	C	20	B
21	A	21	D	21	C	21	B
22	B	22	A	22	A	22	B
23	A	23	B	23	D	23	D
24	A	24	D	24	C	24	C
25	B	25	C	25	C	25	C
26	C	26	C	26	A	26	A
27	D	27	A	27	D	27	B
28	C	28	D	28	C	28	A
29	C	29	C	29	A	29	A
30	C	30	C	30	B	30	B
31	A	31	A	31	B	31	C
32	A	32	D	32	B	32	D
33	B	33	C	33	D	33	C
34	A	34	A	34	C	34	C
35	C	35	B	35	C	35	C
36	D	36	B	36	C	36	C
37	C	37	C	37	A	37	A
38	B	38	C	38	C	38	A
39	C	39	B	39	A	39	B
40	D	40	C	40	A	40	C
41	D	41	C	41	C	41	A
42	A	42	A	42	B	42	C
43	B	43	C	43	A	43	C
44	D	44	A	44	A	44	D
45	B	45	A	45	C	45	D
46	C	46	C	46	C	46	D
47	C	47	B	47	C	47	C

48	B
49	C
50	C
51	A
52	C
53	A
54	A
55	C
56	B
57	A
58	A
59	C
60	C
61	C
62	A
63	A
64	B
65	C
66	A
67	C
68	C
69	D
70	D
71	D
72	A
73	A
74	C
75	D
76	D
77	A
78	C
79	B
80	B
81	A
82	A
83	D
84	B
85	C
86	B
87	B
88	B
89	A
90	A
91	B
92	B
93	C
94	B
95	C
96	D
97	
98	C
99	A
100	A

48	A
49	A
50	C
51	C
52	C
53	A
54	A
55	B
56	C
57	A
58	C
59	C
60	D
61	D
62	D
63	C
64	B
65	C
66	D
67	D
68	A
69	B
70	D
71	B
72	B
73	B
74	A
75	A
76	B
77	B
78	C
79	B
80	C
81	D
82	
83	C
84	A
85	A
86	D
87	A
88	A
89	C
90	D
91	D
92	A
93	C
94	B
95	B
96	A
97	A
98	D
99	B
100	C

48	A
49	A
50	B
51	C
52	A
53	C
54	C
55	D
56	D
57	B
58	C
59	C
60	B
61	C
62	D
63	C
64	B
65	C
66	D
67	D
68	A
69	B
70	D
71	B
72	B
73	C
74	B
75	C
76	D
77	
78	C
79	A
80	A
81	A
82	A
83	D
84	B
85	C
86	B
87	B
88	B
89	A
90	A
91	D
92	A
93	A
94	C
95	D
96	D
97	A
98	C
99	B
100	B

48	B
49	C
50	D
51	D
52	A
53	B
54	D
55	B
56	C
57	C
58	B
59	C
60	C
61	A
62	C
63	A
64	A
65	C
66	B
67	A
68	A
69	C
70	C
71	A
72	A
73	B
74	B
75	C
76	B
77	C
78	D
79	
80	C
81	A
82	A
83	B
84	B
85	A
86	A
87	D
88	B
89	C
90	B
91	B
92	B
93	D
94	A
95	A
96	C
97	D
98	D
99	A
100	C

40

ANSWER KEY OF HC (WORKSHOP)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	D	1	C	1	B	1	B
2	B	2	D	2	C	2	B
3	C	3	A	3	A	3	B
4	B	4	C	4	D	4	D
5	C	5	B	5	A	5	B
6	D	6	B	6	D	6	D
7	D	7	C	7	B	7	B
8	A	8	A	8	B	8	C
9	D	9	D	9	B	9	B
10	B	10	A	10	C	10	C
11	B	11	D	11	B	11	D
12	B	12	B	12	B	12	D
13	D	13	B	13	B	13	A
14	D	14	B	14	D	14	D
15	A	15	C	15	B	15	B
16	C	16	B	16	D	16	B
17	D	17	B	17	B	17	B
18	A	18	B	18	C	18	D
19	C	19	D	19	B	19	D
20	B	20	B	20	C	20	A
21	B	21	D	21	D	21	C
22	C	22	B	22	D	22	D
23	A	23	C	23	A	23	A
24	D	24	B	24	D	24	C
25	A	25	C	25	B	25	B
26	D	26	D	26	B	26	B
27	B	27	D	27	B	27	C
28	B	28	A	28	D	28	A
29	B	29	D	29	D	29	D
30	C	30	B	30	A	30	A
31	B	31	B	31	C	31	D
32	B	32	B	32	D	32	B
33	B	33	D	33	A	33	B
34	D	34	D	34	C	34	B
35	B	35	A	35	B	35	C
36	D	36	A	36	D	36	D
37	C	37	D	37	C	37	B
38	D	38	B	38	D	38	A
39	B	39	A	39	C	39	B
40	B	40	A	40	D	40	D
41	C	41	D	41	D	41	A
42	A	42	C	42	C	42	B
43	D	43	D	43	A	43	A
44	C	44	C	44	D	44	D
45	A	45	D	45	D	45	C
46	D	46	D	46	B	46	D
47	B	47	C	47	D	47	C
48	A	48	A	48	B	48	D
49	A	49	D	49	A	49	B
50	D	50	D	50	B	50	B
51	C	51	B	51	D	51	C

52	D
53	C
54	D
55	D
56	C
57	A
58	D
59	D
60	B
61	D
62	B
63	A
64	B
65	D
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68	A
69	D
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72	C
73	C
74	D
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77	C
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79	B
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82	B
83	C
84	B
85	C
86	B
87	B
88	C
89	C
90	C
91	B
92	C
93	A
94	A
95	D
96	B
97	B
98	C
99	C
100	B

52	D
53	B
54	A
55	B
56	D
57	A
58	B
59	A
60	D
61	C
62	D
63	C
64	D
65	B
66	B
67	C
68	A
69	D
70	C
71	B
72	B
73	C
74	C
75	C
76	B
77	C
78	A
79	A
80	D
81	B
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89	D
90	C
91	A
92	C
93	B
94	B
95	A
96	A
97	B
98	C
99	B
100	C

52	A
53	B
54	A
55	D
56	C
57	A
58	D
59	B
60	A
61	A
62	D
63	C
64	D
65	B
66	B
67	C
68	A
69	D
70	C
71	B
72	C
73	A
74	A
75	D
76	B
77	B
78	C
79	C
80	B
81	A
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89	C
90	C
91	B
92	C
93	C
94	D
95	C
96	A
97	C
98	B
99	B
100	A

52	A
53	D
54	C
55	A
56	D
57	B
58	A
59	A
60	D
61	C
62	D
63	C
64	D
65	D
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72	C
73	B
74	C
75	A
76	A
77	D
78	B
79	B
80	C
81	C
82	B
83	B
84	A
85	A
86	B
87	C
88	B
89	C
90	B
91	B
92	C
93	B
94	C
95	C
96	D
97	C
98	A
99	C
100	B

2

ANSWER KEY OF CT (CREW)

SET-A		SET-B		SET-C		SET-D	
SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION	SERIAL NO.	CORRECT OPTION
1	C	1	C	1	C	1	C
2	A	2	D	2	D	2	B
3	B	3	C	3	A	3	D
4	B	4	B	4	A	4	C
5	B	5	D	5	B	5	D
6	D	6	C	6	B	6	A
7	B	7	D	7	C	7	A
8	A	8	A	8	D	8	B
9	B	9	A	9	A	9	B
10	D	10	B	10	A	10	C
11	B	11	B	11	A	11	D
12	D	12	C	12	D	12	A
13	C	13	D	13	C	13	A
14	C	14	A	14	C	14	A
15	D	15	A	15	B	15	D
16	C	16	A	16	C	16	C
17	D	17	D	17	A	17	C
18	C	18	C	18	B	18	B
19	B	19	C	19	B	19	C
20	D	20	B	20	B	20	A
21	C	21	C	21	D	21	B
22	D	22	A	22	B	22	B
23	A	23	B	23	A	23	B
24	A	24	B	24	B	24	D
25	B	25	B	25	D	25	B
26	B	26	D	26	B	26	A
27	C	27	B	27	D	27	B
28	D	28	A	28	C	28	D
29	A	29	B	29	C	29	B
30	A	30	D	30	D	30	D
31	A	31	B	31	C	31	C
32	D	32	D	32	D	32	C
33	C	33	C	33	C	33	D
34	C	34	C	34	B	34	C
35	B	35	D	35	D	35	D
36	B	36	A	36	D	36	B
37	A	37	A	37	B	37	C
38	C	38	B	38	C	38	D
39	D	39	A	39	A	39	A
40	B	40	D	40	C	40	D
41	B	41	D	41	D	41	C
42	B	42	B	42	B	42	D
43	C	43	C	43	B	43	C
44	D	44	A	44	D	44	D
45	A	45	C	45	A	45	D
46	A	46	D	46	C	46	B
47	B	47	B	47	B	47	A

48	A
49	D
50	D
51	B
52	C
53	A
54	C
55	D
56	B
57	B
58	D
59	A
60	C
61	B
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88	C
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95	D
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100	D

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73	C
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87	C
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89	D
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92	A
93	A
94	A
95	B
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97	A
98	A
99	A
100	C

48	C
49	D
50	B
51	B
52	B
53	C
54	D
55	A
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57	B
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73	B
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75	A
76	A
77	A
78	B
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81	A
82	A
83	C
84	B
85	B
86	C
87	A
88	B
89	C
90	B
91	D
92	B
93	D
94	A
95	A
96	B
97	A
98	D
99	A
100	C