Government Science College, Vankal

Department of Zoology

Short Term Course Attendance Sheet (2022-23)

Course Name: Aquarium Management (STCZ004)

Date:- 25/07/2022 to 6/09/2022

Sr. No	Student's Name	Class	25/7/22	26/7/22	27/7/22	28/7/22	29/7/22	30/7/22	1/8/22	2/8/22	3/8/22	4/8/22
1	Gamit Harshil R.	ZBC	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit	H.cacimit
2	Vasava Sahil N.	ZBC	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil
3	Chaudhari Yashvi N.	ZBC	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C
4	Chaudhari Vibhuti S.	ZBC										
5	Chaudhari Priya F.	ZBC	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C
6	Chaudhari Krutika D.	ZBC										
7	Chaudhari Anjali R.	ZBC										
8	Vasava Raxa R.	ZBC	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V
9	Khan Aabida S.	ZBC										
10	Chaudhari Ayushi N.	ZBC	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C
11	Chaudhari Ajana K.	ZB										
12	Chaudhari Arpit R.	ZB										
13	Chaudhari Devangini H.	ZB										
14	Chaudhari Devanshi V.	ZB	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C
15	Chaudhari Divyangi L.	ZB	D.L.C	D.L.C	D.L.C	D.L.C	Ab	D.L.C	D.L.C	D.L.C	D.L.C	Ab
16	Chaudhari Jankhya G.	ZB										
17	Chaudhari Krupati N.	ZB										
18	Chaudhari Kunjan J.	ZB	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	Ab
19	Chaudhari Mansi R.	ZB	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C
20	Chaudhari Mital M.	ZB										
21	Chaudhari Nitiksha C.	ZB	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C
22	Chaudhari Shreya M.	ZB	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C
23	Chaudhari Zinal H.	ZB										
24	Chaudhari Zinal J.	ZB										
25	Gamit Dipti N.	ZB	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G	D.N.G
26	JAdav Hetal A.	ZB	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav

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	6/8/22	10/8/22	12/8/22	13/8/22	17/8/22	19/8/22	20/8/22	22/8/22	23/8/22	24/8/22	25/8/22	26/8/22	27/8/22	29/8/22	30/8/22	1/9/22	2/9/22	3/9/22	5/9/22	6/9/22
1	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit		H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit	H.Cocomit
2	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil	Shahil
3	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C	Y.N.C
4	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury	Chowdhury
5	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C	P.F.C
6	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi	Proudhi
7	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima	Anima
8	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V
9	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida	Aelida
10	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C	A.N.C
11	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
12	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae	Ae
13	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe	Dhe
14	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C	D.V.C
15	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C		D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C	D.L.C
16	J	J	J	Ab	J	J	J	J	J	J	Ab	J	J	J	J	J	J	J	J	J
17	KOUREL	KOUREL	KOUREL	KOUREL	Ab	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL	Ab	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL	KOUREL
18	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	Ab	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C	K.J.C
19	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C	M.R.C
20	mm	mm	mm	mm	mm	m.m	m.m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
21	N.C.C.	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C	N.C.C
22	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C	S.M.C
23	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC	ZHC
24	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Zu	Ab	Zu	Ab	Zu
25	Ab	DNG	DNG	DNG	DNG	DNG	DNG	DNG	DNG	DNG	Ab	DNG	DNG	DNG	DNG	DNG	DNG	DNG	DNG	DNG
26	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Jadav	Ab	Jadav	Jadav	Jadav	Ab	Jadav	Jadav	Jadav	Jadav

2022-23

Sr. No	Student's Name	Class	25/7/22	26/7/22	27/7/22	28/7/22	29/7/22	30/7/22	1/8/22	2/8/22	3/8/22	4/8/22
27	Naik Rekha K.	ZB	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N
28	Prajapati Het R.	ZB	HRP	HRP	HRP	HRP	HRP	HRP	HRP	HRP	HRP	HRP
29	Vasava Ankita A.	ZB	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava	A.vasava
30	Vasava Ankit P.	ZB	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.	Ankit.
31	Vasava Avantika C.	ZB	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi	A.vasavi
32	Vasava Nikhil V.	ZB	N.V.V.	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V
33	Vasava Pranjal A.	ZB	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval	P.vasaval
34	Vasava Priya G.	ZB	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V	P.G.V
35	Vasava Sagar C.	ZB	S.C.V	S.C.V	S.C.V.	S.C.V.	S.C.V.	S.C.V.	S.C.V	S.C.V	S.C.V	S.C.V
36	Vasava Sarjana K.	ZB	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava	S.vasava
P 37	Vasava Sneha D.	ZB	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
P 38	Vasava Yash C.	ZB	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V
Aabha 39	Vasava Yogita P.	ZB	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita
A 40	Vasava Amit J.	ZB	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit
A 41	Valvi Rahul R.	ZB	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
42	Bhagat Nutan G.	Zoology	N.Bhagat	D.Bhagat	A.Bhagat	D.Bhagat	B.Bhagat	D.Bhagat	D.Bhagat	D.Bhagat	D.Bhagat	D.Bhagat
43	Bhandari Dhrumil J.	Zoology	D.J.B	D.J.B.	D.J.B.	D.J.B.	D.J.B	D.J.B		D.J.B.	D.J.B	D.J.B
44	Bhati Disha K.	Zoology	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati	D.K.Bhati
45	Chaudhari Ashmita A.	Zoology	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C
46	Chaudhari Bhargavi R.	Zoology	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C
47	Chaudhari Bhumika A.	Zoology	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C
48	Chaudhari Hemangi	Zoology	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari	H.chaudhari
49	Chaudhari Nikhil R.	Zoology	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
50	Chaudhari Priyanshu	Zoology	Pchi	Pchi	Pchi	Pchi	Pchi	Pchi	Pchi	Pchi	Pchi	Pchi
51	Chaudhari Tejashwini R.	Zoology	T	T	T	T	T	T	T	T	T	T
52	Chaudhari Vaishnavi N.	Zoology	VN	VN	VN	VN	VN	VN	VN	VN	VN	VN
53	Chaudhari Vishal P.	Zoology	VishP	VishP	VishP	VishP	VishP	VishP	VishP	VishP	VishP	VishP
54	Chaudhari Nainesh H.	Zoology	N.H	N.H	N.H	N.H	N.H	N.H	N.H	N.H	N.H	N.H
55	Dhodiya Tarang S.	Zoology	T.S	T.S	T.S	T.S	T.S	T.S	T.S	T.S	T.S	T.S
56	Kadu Mahima S.	Zoology	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu		M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu
57	Mahida Hiteshwari K.	Zoology	H	H	H	H	H	H	H	H	H	H
58	Padavi Jaydeep K.	Zoology	J.K.P.	J.K.P.	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P
59	Patel Kruti B.	Zoology	K.patel	K.patel	K.patel	K.patel	K.patel	K.patel	K.patel	K.patel	K.patel	K.patel
60	Patel Manshi B.	Zoology	P.M.B.	P.M.B.	P.M.B	P.M.B	P.M.B	P.M.B.	P.M.B	P.M.B	P.M.B	P.M.B.
61	Solanki Krishna G.	Zoology	K.S	K.S	K.S	K.S	K.S	K.S	K.S	K.S	K.S	K.S
62	Vasava Hemant R.	Zoology	H.V	H.V	H.V	H.V	H.V	H.V	H.V	H.V	H.V	H.V

Short Term Course Attendance Sheet

	6/8/22	10/8/22	12/8/22	13/8/22	17/8/22	19/8/22	20/8/22	22/8/22	23/8/22	24/8/22	25/8/22	26/8/22	27/8/22	29/8/22	30/8/22	1/9/22	2/9/22	3/9/22	5/9/22	6/9/22
27	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N	R.K.N		R.K.N
28	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP	HSP
29	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava	Alvasava
30	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit
31	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti	Alvanti
32	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V	N.V.V
33	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal	Poonjal
34	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu	Poiyu
35	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V	S.C.V
36	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth	Vasanth
37	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
38	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V	Y.C.V
39	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Ab	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita
40	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Ab
41	Rahul	Rahul	Rahul	Rahul	Ab	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
42	Bhakat	Bhakat	Bhakat	Bhakat	Ab	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Bhakat	Ab	Bhakat	Bhakat	Bhakat	Bhakat
43	D.J.B	D.J.B	D.J.B	D.J.B	D.J.B	D.J.B	Ab	D.J.B	D.J.B	D.J.B	Ab	D.J.B	D.J.B	D.J.B	Ab	D.J.B	D.J.B	D.J.B	D.J.B	D.J.B
44	D.K.Bhatt	D.K.Bhatt	Ab	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	Ab	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt	D.K.Bhatt
45	A.A.C	Ab	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C	A.A.C
46	B.R.C	B.R.C	Ab	B.R.C	B.R.C	B.R.C	B.R.C	Ab	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C	B.R.C
47	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C	B.A.C
48	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Hchandhi	Ab
49	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
50	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Ab	Rahul	Rahul	Rahul	Rahul	Rahul
51	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil	Tamil
52	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	Ab	VM	VM	VM	VM	VM	VM	VM	VM
53	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup	Visup
54	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH	NH
55	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS	TBS
56	M.S.kadu	M.S.kadu	Ab	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	Ab	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu	M.S.kadu
57	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	Ab	HD	HD
58	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P	J.K.P
59	Kpatel	Ab	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel	Kpatel
60	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	P.M.B	Ab	P.M.B	P.M.B	P.M.B
61	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS	KGS		KGS	KGS	KGS	Ab	KGS	KGS
62	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	HN	Ab	HN	HN

20-22-23

Sr. No	Student's Name	Class	25/7/22	26/7/22	27/7/22	28/7/22	29/7/22	30/7/22	1/8/22	2/8/22	3/8/22	4/8/22
63	Vasava Krishnal P.	Zoology	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal	Krishnal
64	Vasava Mahima G.	Zoology	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima
65	Vasava Pravina D.	Zoology	Pravina	Pravina	Pravina	Pravina	Pravina	Pravina	Pravina	Pravina	Pravina	Pravina
66	Vasava Priyanka K.	Zoology	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V
67	Vasava Rekha C.	Zoology	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V
68	Vasava Sonal S.	Zoology	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S

Short Term Course Attendance Sheet

	6/8/22	10/8/22	12/8/22	13/8/22	17/8/22	19/8/22	20/8/22	22/8/22	23/8/22	24/8/22	25/8/22	26/8/22	27/8/22	29/8/22	30/8/22	1/9/22	2/9/22	3/9/22	5/9/22	6/9/22
63	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish	Harish
64	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan	Murugan
65	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji
66	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V	P.K.V
67	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V	R.C.V
68	V.S.S.	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S	V.S.S

Aquarium Management Module Syllabus Covered

Day	Time (1 hour/day)	Module Focus	Tasks
Day 1	1 hour	Overview & Planning	Overview of the module, high-level planning, and architecture.
Day 2	1 hour	Fish & Species Management - Part 1	Design species database schema, list fish attributes (e.g., habitat, temperature, diet).
Day 3	1 hour	Fish & Species Management - Part 2	Refine the schema and ensure all attributes are covered.
Day 4	1 hour	Fish & Species Management - Part 3	Implement basic CRUD operations for fish species.
Day 5	1 hour	Fish & Species Management - Part 4	Complete CRUD and review.
Day 6	1 hour	Health Monitoring & Compatibility Checker	Implement fish health monitoring and compatibility features.
Day 7	1 hour	Water Parameters Tracking - Part 1	Plan water parameter tracking (temperature, pH, chemical levels) logic.
Day 8	1 hour	Water Parameters Tracking - Part 2	Implement temperature and pH

			tracking logic.
Day 9	1 hour	Water Parameters Tracking - Part 3	Test temperature and pH features.
Day 10	1 hour	Water Parameters Tracking - Part 4	Implement ammonia, nitrite, and nitrate tracking logic with alerts.
Day 11	1 hour	Water Parameters Tracking - Part 5	Review and test chemical tracking and alert system.
Day 12	1 hour	Feeding Schedules - Part 1	Plan feeding schedules based on fish type and diet.
Day 13	1 hour	Feeding Schedules - Part 2	Implement automated feeding reminders.
Day 14	1 hour	Feeding Schedules - Part 3	Implement food type tracking and review schedule logic.
Day 15	1 hour	Tank Maintenance - Part 1	Plan water change schedules and filter maintenance reminders.
Day 16	1 hour	Tank Maintenance - Part 2	Implement water change and filter maintenance logic.
Day 17	1 hour	Tank Maintenance - Part 3	Test and refine the tank maintenance system.
Day 18	1 hour	Plant Management - Part 1	Plan plant management schema (plant types, care requirements, etc.).

Day 19	1 hour	Plant Management - Part 2	Implement plant care schedule logic (light and fertilizer schedules).
Day 20	1 hour	Plant Management - Part 3	Test plant care scheduling and review.
Day 21	1 hour	Budget & Inventory Management - Part 1	Plan budget tracking and inventory management.
Day 22	1 hour	Budget & Inventory Management - Part 2	Implement expense tracking logic.
Day 23	1 hour	Budget & Inventory Management - Part 3	Implement inventory management (track food, medication, and supplies).
Day 24	1 hour	Notifications & Alerts - Part 1	Implement notification system for critical alerts (water parameters, feeding, etc.).
Day 25	1 hour	Notifications & Alerts - Part 2	Test notifications and refine the alert system.
Day 26	1 hour	Reports & Analytics - Part 1	Implement report generation for water parameters and fish health.
Day 27	1 hour	Reports & Analytics - Part 2	Refine analytics and implement historical data tracking for trends.
Day 28	1 hour	Mobile & Web	Plan mobile app and cloud sync logic

		Interface - Part 1	(optional feature).
Day 29	1 hour	Mobile & Web Interface - Part 2	Begin implementing the mobile app interface (or integrate with existing web technologies).
Day 30	1 hour	Final Review & Testing	Final testing of the entire system, including cross-platform integration and reports.

Aquarium Management Module Timetable (1 hour/day, 30 days)

Day	Time (1 hour/day)	Module Focus	Tasks
Day 1	1 hour	Overview & Planning	Overview of the module, high-level planning, and architecture.
Day 2	1 hour	Fish & Species Management - Part 1	Design species database schema, list fish attributes (e.g., habitat, temperature, diet).
Day 3	1 hour	Fish & Species Management - Part 2	Refine the schema and ensure all attributes are covered.
Day 4	1 hour	Fish & Species Management - Part 3	Implement basic CRUD operations for fish species.
Day 5	1 hour	Fish & Species Management - Part 4	Complete CRUD and review.
Day 6	1 hour	Health Monitoring & Compatibility Checker	Implement fish health monitoring and compatibility features.
Day 7	1 hour	Water Parameters Tracking - Part 1	Plan water parameter tracking (temperature, pH, chemical levels) logic.
Day 8	1 hour	Water Parameters Tracking - Part 2	Implement temperature and pH

			tracking logic.
Day 9	1 hour	Water Parameters Tracking - Part 3	Test temperature and pH features.
Day 10	1 hour	Water Parameters Tracking - Part 4	Implement ammonia, nitrite, and nitrate tracking logic with alerts.
Day 11	1 hour	Water Parameters Tracking - Part 5	Review and test chemical tracking and alert system.
Day 12	1 hour	Feeding Schedules - Part 1	Plan feeding schedules based on fish type and diet.
Day 13	1 hour	Feeding Schedules - Part 2	Implement automated feeding reminders.
Day 14	1 hour	Feeding Schedules - Part 3	Implement food type tracking and review schedule logic.
Day 15	1 hour	Tank Maintenance - Part 1	Plan water change schedules and filter maintenance reminders.
Day 16	1 hour	Tank Maintenance - Part 2	Implement water change and filter maintenance logic.
Day 17	1 hour	Tank Maintenance - Part 3	Test and refine the tank maintenance system.
Day 18	1 hour	Plant Management - Part 1	Plan plant management schema (plant types, care requirements, etc.).

Day 19	1 hour	Plant Management - Part 2	Implement plant care schedule logic (light and fertilizer schedules).
Day 20	1 hour	Plant Management - Part 3	Test plant care scheduling and review.
Day 21	1 hour	Budget & Inventory Management - Part 1	Plan budget tracking and inventory management.
Day 22	1 hour	Budget & Inventory Management - Part 2	Implement expense tracking logic.
Day 23	1 hour	Budget & Inventory Management - Part 3	Implement inventory management (track food, medication, and supplies).
Day 24	1 hour	Notifications & Alerts - Part 1	Implement notification system for critical alerts (water parameters, feeding, etc.).
Day 25	1 hour	Notifications & Alerts - Part 2	Test notifications and refine the alert system.
Day 26	1 hour	Reports & Analytics - Part 1	Implement report generation for water parameters and fish health.
Day 27	1 hour	Reports & Analytics - Part 2	Refine analytics and implement historical data tracking for trends.
Day 28	1 hour	Mobile & Web	Plan mobile app and cloud sync logic

		Interface - Part 1	(optional feature).
Day 29	1 hour	Mobile & Web Interface - Part 2	Begin implementing the mobile app interface (or integrate with existing web technologies).
Day 30	1 hour	Final Review & Testing	Final testing of the entire system, including cross-platform integration and reports.

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Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF ZOOLOGY

Sr. No. SCTZO04/2022-23/09 **Date: 09/09/2022**

This is to certify that Mr. / Ms. **Khan Aabida S** has successfully completed **Short Term Certificate Course** of 30 hours on **STCZO04: Aquarium Management** offered by Department of Zoology from **25/07/2022 to 06/09/2022** and secured "**A**" grade during performance evaluation.

Principal **Course Coordinator** **Head of the Department**

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Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF ZOOLOGY

Sr. No. SCTZO04/2022-23/57 **Date: 09/09/2022**

This is to certify that Mr. / Ms. **Mahida Hiteshwari K** has successfully completed **Short Term Certificate Course** of 30 hours on **STCZO04: Aquarium Management** offered by Department of Zoology from **25/07/2022 to 06/09/2022** and secured "**A**" grade during performance evaluation.

Principal **Course Coordinator** **Head of the Department**

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Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF ZOOLOGY

Sr. No. SCTZO04/2022-23/35 **Date: 09/09/2022**

This is to certify that Mr. / Ms. **Vasava Sagar C** has successfully completed **Short Term Certificate Course** of 30 hours on **STCZO04: Aquarium Management** offered by Department of Zoology from **25/07/2022 to 06/09/2022** and secured "**A**" grade during performance evaluation.

Principal **Course Coordinator** **Head of the Department**

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Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF ZOOLOGY

Sr. No. SCTZO04/2022-23/16 **Date: 09/09/2022**

This is to certify that Mr. / Ms. **Vasava Sneha D** has successfully completed **Short Term Certificate Course** of 30 hours on **STCZO04: Aquarium Management** offered by Department of Zoology from **25/07/2022 to 06/09/2022** and secured "**A**" grade during performance evaluation.

Principal **Course Coordinator** **Head of the Department**

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Government of Gujarat

GOVERNMENT SCIENCE COLLEGE, VANKAL

DEPARTMENT OF ZOOLOGY

Sr. No. SCTZO04/2022-23/37 **Date: 09/09/2022**

This is to certify that Mr. / Ms. **Chaudhari Jankhya G.** has successfully completed **Short Term Certificate Course** of 30 hours on **STCZO04: Aquarium Management** offered by Department of Zoology from **25/07/2022 to 06/09/2022** and secured "**A**" grade during performance evaluation.

Principal **Course Coordinator** **Head of the Department**

Government Science College, Vankal
Department Of Zoology
Short term course (2021-22)
Course Name: Aquarium management

Student Name:
Each question (2 marks)

1. What is the ideal pH range for most freshwater aquarium fish?

- a) 4.0-5.0 - b) 6.0-7.5

- c) 8.0-9.0 - d) 9.5-10.5

2. What is the primary purpose of a biological filter in an aquarium?

- a) To remove debris and waste - b) To circulate water

- c) To provide a surface for beneficial bacteria to break down ammonia and nitrite

- d) To heat the water

3. What is the nitrogen cycle in an aquarium?

- a) The process of changing water

- b) The conversion of ammonia to nitrite and then to nitrate by beneficial bacteria

- c) The movement of fish within the tank

- d) The daily feeding routine of fish

4. How often should you perform water changes in a well-maintained aquarium?

- a) Daily - b) Weekly

- c) Monthly - d) Yearly

5. What is the purpose of a heater in an aquarium?

- a) To filter the water - b) To circulate the water

- c) To maintain a stable water temperature suitable for the fish - d) To aerate the water

6. What is the recommended water temperature range for most tropical fish?

- a) 50-60°F (10-15°C) - b) 65-75°F (18-24°C)

- c) 75-80°F (24-27°C) - d) 85-90°F (29-32°C)

7. What is the primary function of an air pump in an aquarium?

- a) To filter the water - b) To provide oxygen to the water through aeration

- c) To circulate the water

- d) To maintain the water temperature

8. Why is it important to acclimate fish before introducing them to a new aquarium?

- a) To allow the fish to get used to the water temperature

- b) To ensure the fish are not stressed by the new environment

- c) To avoid sudden changes in water parameters like pH and temperature

- d) All of the above

9. Which of the following is a sign of poor water quality in an aquarium?

- a) Clear water - b) Healthy, active fish

- c) Cloudy water with a strong odor - d) Growing plants

10. What is the best way to reduce nitrate levels in an aquarium?

- a) Increase feeding - b) Perform regular water changes

- c) Add more fish - d) Reduce aeration

11. What is the purpose of adding aquarium salt to a freshwater tank?

- a) To increase pH - b) To treat certain fish diseases

- c) To soften the water - d) To promote plant growth

12. Which type of lighting is best for a planted aquarium?

- a) Incandescent - b) Fluorescent

- c) LED - d) UV

13. How can you prevent algae overgrowth in an aquarium?

- a) Increase lighting - b) Overfeed the fish

- c) Keep the aquarium in direct sunlight

- d) Maintain a regular cleaning schedule and avoid overfeeding

14. What is the main reason for using a gravel vacuum during water changes?

- a) To aerate the water - b) To remove uneaten food and waste from the substrate

- c) To clean the fish - d) To increase water temperature

15. Which of the following is a common sign of fish stress in an aquarium?

- a) Bright coloring - b) Active swimming

- c) Rapid gill movement and hiding - d) Normal feeding behavior

16. What is the recommended stocking level for an aquarium?

- a) 1 inch of fish per gallon of water - b) 10 inches of fish per gallon of water

- c) 1 inch of fish per 10 gallons of water - d) 1 fish per gallon of water

17. What is the purpose of adding live plants to an aquarium?

- a) To increase oxygen levels and provide hiding places for fish

- b) To raise the temperature of the water

- c) To increase nitrate levels

- d) To decrease pH levels

18. How can you stabilize pH levels in an aquarium?

- a) By adding chemicals to the water - b) By using a buffering substrate

- c) By changing the water temperature - d) By increasing the number of fish

19. What is the recommended duration of lighting for most aquariums?

- a) 2-4 hours per day - b) 4-6 hours per day

- c) 8-10 hours per day - d) 12-14 hours per day

20. Why is it important to quarantine new fish before adding them to your main aquarium?

- a) To prevent the spread of diseases to existing fish

- b) To allow the new fish to grow

- c) To help new fish get used to their new diet

- d) To increase the bioload in the main tank

21. What is the main function of carbon in aquarium filtration?

- a) To remove physical debris - b) To reduce ammonia levels

- c) To absorb toxins and chemicals from the water - d) To increase oxygen levels

22**. What is the primary cause of ammonia spikes in an aquarium?**

- a) Overfeeding and accumulation of waste - b) Adding too much water conditioner

- c) Too much light exposure - d) Low water temperature

23. How can you tell if an aquarium is properly cycled?

- a) The water is cloudy - b) There is no detectable ammonia or nitrite, and nitrate levels are present

- c) Fish are swimming rapidly - d) Plants are not growing

24. What should you do if you notice fish gasping for air at the surface of the aquarium?

- a) Increase the temperature of the water - b) Decrease the lighting

- c) Increase aeration or check for ammonia/nitrite spikes - d) Add more fish

25. What is the best way to acclimate fish to a new aquarium?

- a) Release them directly into the tank

- b) Float the bag in the tank for 15 minutes, then slowly add small amounts of tank water to the bag before releasing the fish

- c) Pour them into a separate container, then into the tank

- d) Place them directly on the substrate

Government Science College

OMR ANSWER SHEET

EXAMINATION : Short term Course - 2022 - 23

SUBJECT : Aquarium managment

EXAM CENTER : Government science college - Vemkal

DATE : / /

Name - Khan Aabida S.

Roll No - 9

46/50

Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER
1	C	11	C	21	D	31	A	41	A
2	D	12	D	22	A	32	A	42	A
3	C	13	C	23	B	33	A	43	A
4	C	14	C	24	D	34	A	44	A
5	D	15	A	25	C	35	A	45	A
6	D	16	B	26	A	36	A	46	A
7	C	17	B	27	A	37	A	47	A
8	C	18	C	28	A	38	A	48	A
9	D	19	B	29	A	39	A	49	A
10	A	20	B	30	A	40	A	50	A

Government Science College

OMR ANSWER SHEET

EXAMINATION : Short term course - 2022-23

SUBJECT : Aquarium managment

EXAM CENTER : Government Science college, Vankal

DATE : / /

Name - Mahida Hiteshkumar K.

Roll no - 57

44/50

Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER
1	A ● C D	11	A ● C D	21	A B ● D	31	A B C D	41	A B C D
2	A B ● D	12	A B ● D	22	● B C D	32	A B C D	42	A B C D
X	A B ● D	13	A B C ●	23	A ● C D	33	A B C D	43	A B C D
4	A ● C D	14	A ● C D	24	A B ● D	34	A B C D	44	A B C D
5	A B ● D	15	A B ● D	25	A ● C D	35	A B C D	45	A B C D
6	A B ● D	16	● B C D	26	A B C D	36	A B C D	46	A B C D
7	A ● C D	17	● B C D	27	A B C D	37	A B C D	47	A B C D
8	A B C ●	18	A ● C D	28	A B C D	38	A B C D	48	A B C D
9	A B ● D	19	A ● C D	29	A B C D	39	A B C D	49	A B C D
X 10	A B C ●	20	● B C D	30	A B C D	40	A B C D	50	A B C D

Government Science College

OMR ANSWER SHEET

EXAMINATION : Short term course 2022-23

SUBJECT : Aquarium management

EXAM CENTER : Government science college, Vankal

DATE : / /

Name - Vasava Sagar C.

Roll no - 35

42/50

Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER
1	B	11	B	21	C	31		41	
2	C	12	C	22	A	32		42	
3	A	13	D	23	B	33		43	
4	B	14	B	24	C	34		44	
5	C	15	C	25	B	35		45	
6	C	16	A	26		36		46	
7	A	17	A	27		37		47	
8	D	18	B	28		38		48	
9	C	19	C	29		39		49	
10	B	20	A	30		40		50	

Government Science College

OMR ANSWER SHEET

EXAMINATION : Short term course -2022-23

SUBJECT : Aquarium managment

EXAM CENTER : Government science college, Vankal

DATE : / /

Name - Vasava sneha D.

40/50

Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER
1	B	11	B	21	D	31	A B C D	41	A B C D
2	B	12	B	22	A	32	A B C D	42	A B C D
3	A	13	D	23	A	33	A B C D	43	A B C D
4	A	14	B	24	D	34	A B C D	44	A B C D
5	C	15	A	25	B	35	A B C D	45	A B C D
6	C	16	A	26	A B C D	36	A B C D	46	A B C D
7	D	17	A	27	A B C D	37	A B C D	47	A B C D
8	D	18	B	28	A B C D	38	A B C D	48	A B C D
9	A	19	D	29	A B C D	39	A B C D	49	A B C D
10	C	20	A	30	A B C D	40	A B C D	50	A B C D

Government Science College

OMR ANSWER SHEET

EXAMINATION : Short term course - 2022-23

SUBJECT : Aquarium manygment

EXAM CENTER : Government Science collage - Vankal

DATE : / /

Name - chaudhari Jankhya G.

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Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER	Q.	ANSWER
1	A ● C D	11	A ● C D	21	A ● C D	31	A B C D	41	A B C D
2	A B ● D	12	A B ● D	22	A B ● D	32	A B C D	42	A B C D
3	A ● C D	13	A B C ●	23	A ● C D	33	A B C D	43	A B C D
4	A ● C D	14	A ● C D	24	A B ● D	34	A B C D	44	A B C D
5	A B ● D	15	A B ● D	25	A ● C D	35	A B C D	45	A B C D
6	A B ● D	16	● B C D	26	A B C D	36	A B C D	46	A B C D
7	A ● C D	17	● B C D	27	A B C D	37	A B C D	47	A B C D
8	A B C ●	18	A B ● D	28	A B C D	38	A B C D	48	A B C D
9	A B ● D	19	● B C D	29	A B C D	39	A B C D	49	A B C D
10	A ● C D	20	A ● C D	30	A B C D	40	A B C D	50	A B C D