





ପରିବାର ପରିପୂର୍ଣ୍ଣ ନହେବାର,

## ଦୁଃଖ ଆମେ ବୁଝିପାରୁ



# ନିଃସନ୍ତୁଧ ଦମ୍ପତ୍ତିଙ୍କ ପାଇଁ ନିଃଶୁଳ୍କ ପରାମର୍ଶ ଶିବିର

10<sup>th</sup> to 20<sup>th</sup> December 2018

### ପୁରୁଷ

- ସ୍ଵର୍ଗ ଶୁକ୍ରାଶୁ ଗଣତି
- ଶୁକ୍ରାଶୁ ହିନତା
- ସ୍ଵର୍ଗ ଶୁକ୍ରାଶୁ ସଜୀବତା
- ଦୁର୍ବଲ ମାନର ଶୁକ୍ରାଶୁ

### ମାଗଣା ଆପଥଣ୍ଡମେଣ୍ଟୁ

ଆପଥଣା ଆପଥଣ୍ଡମେଣ୍ଟୁ ଫିଲ୍ କରିବା ପାଇଁ ସବାକ 10ଟା ମଧ୍ୟା 5ଟା ମଧ୍ୟରେ

**7412077811**

କ୍ୟାମ୍ ପ୍ଲାନ ଭୁବନେଶ୍ୱର  
ଇନିରା ଆଇଏଫ୍ ହସ୍ତିଗାଳ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍  
ଦ୍ୱିତୀୟ ମହିଳା, ଟ୍ରିପଲେକ୍ସ୍ ପ୍ଲଟ୍ ନଂ. 12, ଗଜପତି ନଗର,  
ସବିବାଳୟ ମାର୍ଗ, ଚନ୍ଦ୍ରଶେଖରପୁର, ଭୁବନେଶ୍ୱର  
ପ୍ରଦୀପ ମହିଳା, ଟ୍ରିପଲେକ୍ସ୍ ପ୍ଲଟ୍ ନଂ. 12, ଗଜପତି ନଗର,  
ସବିବାଳୟ ମାର୍ଗ, ଚନ୍ଦ୍ରଶେଖରପୁର, ଭୁବନେଶ୍ୱର

### ମହିଳା

- ଅବରୁଦ୍ଧ ଗର୍ଭ ନଳୀ
- ଅନିୟମିତ ରତ୍ନୁଚକ୍ର
- ତିମ୍ବାଶୁ ଗଠନରେ ସମସ୍ୟା
- ଅସମୟରେ ତିମ୍ବାଶୁ ନଷ୍ଟ ହେବା

### ଇନିରା ଆଇଏଫ୍ ହସ୍ତିଗାଳ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍

ଦ୍ୱିତୀୟ ମହିଳା, ଟ୍ରିପଲେକ୍ସ୍ ପ୍ଲଟ୍ ନଂ. 12, ଗଜପତି ନଗର, ସବିବାଳୟ ମାର୍ଗ, ଚନ୍ଦ୍ରଶେଖରପୁର, ଭୁବନେଶ୍ୱର  
ହେଲ୍ପିଲାଇନ୍: 7412077811 / 812 | ଓସିବସାଇଟ୍: [www.indiraiivf.com](http://www.indiraiivf.com) | ଇ-ମେଲ୍ : [help@indiraiivf.in](mailto:help@indiraiivf.in)

ନିଜର ପ୍ରଶ୍ନଗୁଡ଼ିକୁ ନେଇ ତାନ୍ତ୍ରରଙ୍କ ସହିତ ଆଲୋଚନା କରିବାକୁ କଲ୍ କରନ୍ତୁ ୭412077812 (2 PM to 5 PM)

ଉପଲବ୍ଧ ସେବାଗୁଡ଼ିକ - ଗର୍ଭଧାରଣ ସମସ୍ୟାର ନିରୂପଣ, ଆଇ.ସ୍ଟୁଆର୍, ଆଇ.ଭି.୬୩, ଆଇ.ସି.୬୩.ଆଇ, ଲେଜର ହ୍ୟାଟିଂ ହାଷ୍ଟେସିଷ୍ଟ୍, ଲାପାରୋଫ୍ଲୋପି, ହିଷ୍ପେରୋଫ୍ଲୋପି ତୋନୋର ସର୍ବସ୍ତ୍ରୀ

• 52 Centres PAN India

• Treatment protocol as per individual need

• Patient friendly treatment options











କ୍ର. ନଂ	ଜମି ମାଲିକଙ୍କ ନାମ	ଖାତା ନଂ	ସୁଟ ନଂ	କିସମ	ସମୁଦାୟ ରକତା (ୱେଳରେ)	ଅଧିଗ୍ରହଣ ହେବାର ଥିବା ରକତା (ୱେଳରେ)	ମନ୍ତ୍ରବ୍ୟ
୪୧	ମନ୍ଦବ ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୭୭	୮୧୯	ଶାରଦ/୩	୦.୨୫୦	୦.୨୫୦	
			୮୧୭/୧୪୧୧	ଶାରଦ/୨	୦.୧୪୦	୦.୧୪୦	
			୮୧୦/୧୪୧୭	ଶାରଦ/୨	୦.୮୦୦	୦.୯୯୦	
			୮୧୧/୧୪୧୯	ଶାରଦ/୨	୦.୮୨୦	୦.୮୨୦	
			୧୦୪	ଶାରଦ/୧			
୪୨	ଶ୍ରୀ ପ୍ରାଣେଶ୍ଵର ମନ୍ଦିରାଚ, ପାଣି: ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପକ୍ଷିନାର ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ଜାତି: ବ୍ରାହ୍ମଣ	୭୯	୮୧୯	ଶାରଦ/୩	୦.୨୦୦	୦.୪୪୦	
			୧୦୫	ଶାରଦ/୧			
			୧୦୦	ଶାରଦ/୩	୦.୨୮୦	୦.୨୮୦	
			୧୦୧	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୨	ଶାରଦ/୩	୦.୦୨୦	୦.୦୨୦	
୪୩	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୦	୮୧୯	ଶାରଦ/୩	୦.୨୦୦	୦.୨୦୦	
			୧୦୪	ଶାରଦ/୧			
			୧୦୦	ଶାରଦ/୩	୦.୨୮୦	୦.୨୮୦	
			୧୦୧	ଶାରଦ/୩	୦.୨୮୦	୦.୨୮୦	
			୧୦୨	ଶାରଦ/୩	୦.୨୮୦	୦.୨୮୦	
୪୪	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୧	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୧୦	
			୧୦୫	ଶାରଦ/୩	୦.୮୦	୦.୮୦	
			୧୦୬	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୭	ଶାରଦ/୩	୦.୦୨୦	୦.୦୨୦	
			୧୦୮	ଶାରଦ/୩	୦.୦୨୦	୦.୦୨୦	
୪୫	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୨	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୦	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୧	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୨	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୪୬	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୩	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୫	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୬	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୭	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୮	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୪୭	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୪	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୦	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୧	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୨	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୪୮	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୫	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୫	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୬	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୭	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୮	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୪୯	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୬	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୦	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୧	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୧୨	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୫୦	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୭	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୫	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୬	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୭	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୮	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
୫୧	ମନ୍ଦବ ପାଣି, ନିଜଗୀ, ପାଣି, ପିତା: ଉପେତ୍ର ପାଣି, ବାସ: ନିଜଗୀ, ଜାତି: ବ୍ରାହ୍ମଣ	୮୮	୮୧୯	ଶାରଦ/୩	୦.୧୦୦	୦.୧୦୦	
			୧୦୯	ଶାରଦ/୩	୦.୧୦୦	୦.	





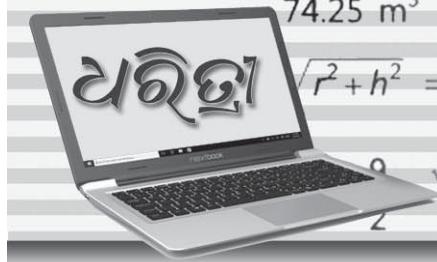
Sl. No.	Survey Number	Type of Land	Nature of Land	Area in Hectare	Name of the Land Owner/Interested person Part Survey No:
1	2	3	4	5	6
86.	50/403	Private	Dry (Gharabari-I)	0.008	Gopal Das, S/o - Bhikari Das, Caste - Patara, Vill - Nijigaon 50/403
87.	50/1118	Private	Dry (Gharabari-I)	0.008	Gopal Das, S/o - Bhikari Das, Caste - Patara, Vill - Kathagada 50/1118
88.	51	Private	Wet (Sarada-III)	0.012	Kalia Behera, Bandhu Behera, Sindhua Behera, Mathua Behera, S/o - Rama Behera, Caste - Sabara, Vill - Nijigaon, Plot No.- 35/3578, Beaini Kharid Sutre Dakhal - Akshya Barik, S/o - Anadi Barik, Caste - Khandayat, Vill - Nothapada, RSD No.- 2886 dtd.16.04.79, JARASAMANA-Rs.5000/- 51
89.	54	Private	Wet (Sarada-III)	0.008	Kalia Behera, Bandhu Behera, Sindhua Behera, Mathua Behera, S/o - Rama Behera, Caste - Sabara, Vill - Nijigaon, Plot No.- 35/3578, Beaini Kharid Sutre Dakhal - Akshya Barik, S/o - Anadi Barik, Caste - Khandayat, Vill - Nothapada, RSD No.- 2886 dtd.16.04.79, JARASAMANA-Rs.5000/- 54
90.	35/378	Private	Dry (Tails-I)	0.036	Kalia Behera, Bandhu Behera, Sindhua Behera, Mathua Behera, S/o - Rama Behera, Caste - Sabara, Vill - Nijigaon, Plot No.- 35/3578, Beaini Kharid Sutre Dakhal - Akshya Barik, S/o - Anadi Barik, Caste - Khandayat, Vill - Nothapada, RSD No.- 2886 dtd.16.04.79, JARASAMANA-Rs.5000/- 35/378
91.	53/265	Private	Dry (Gharabari-I)	0.028	Gulakishore Natha, S/o - Hrudananda Natha, Caste- Brahmin, Vill- Hatura Hindol 53/265
92.	55	Private	Dry (Gharabari-III)	0.008	Pabitra Mohan Parida, S/o- Sadananda Parida, Caste- Khandayat, Vill- Balarampur 55
93.	56	Private	Dry (Rasta)	0.004	Mahamad Ayub, Mahamad Tayaba, Mahamad Taheb, S/o - Mahamad Ajam, Mahamad Sarabar, Mahamad Ibrahim, Mahamad Azad, Mahamad Rojibai, Mahamad Alirafik, Mahamad Usman, Sahara Begam, Jahanara Begam, Soukatara Begam, S/D/o - Mahamad Ibrahim, Amatun Bibi, W/o- Mahamad Ibrahim, Zubeda Begam, D/o - Mahamad Isaq, Caste - Muslim, Vill - Dhenkanal Town 56
94.	57/311	Private	Dry (Gharabari)	0.012	Sakatara Begam, W/o- Abij Adil Khan, Caste- Muslim, Vill- Garapur, PS- Kendrapada 57/311
95.	57/377	Private	Dry (Gharabari)	0.004	Akshya Kumar Nayak, S/o - Rama Chandra Nayak, Caste - Khandayat, Vill- Ayyatapur, Aali, Kendrapada 95
96.	32	Private	Dry (Gharabari-I)	0.028	Satyaranayn Bajaj, S/o - Kanheilal Bajaj, Caste - Marwadi,Vill - Choudhuri Bazar, Cuttack 32
97.	34	Private	Dry (Gharabari-I)	0.02	Satyaranayn Bajaj, S/o - Kanheilal Bajaj, Caste - Marwadi,Vill - Choudhuri Bazar, Cuttack 34
98.	394	Private	Wet (Sarada-III)	0.004	Soudamini Mohapatra, W/o - Basant Kumar Mohapatra, Caste - Patara, Vill - Gandhi Mandir Road Dhenkanal Town 59/394
99.	302	Private	Dry (Gharabari)	0.004	Sakatara Begam, W/o- Abij Adil Khan, Caste-Muslim, Vill - Garapur, PS - Kendrapada 57/302
100.	305	Private	Dry (Tails-I)	0.004	Sakatara Begam, W/o- Abij Adil Khan, Caste- Muslim, Vill - Garapur, PS - Kendrapada 57/305
101.	316	Private	Dry (Tails-I)	0.004	Sailabala Sahu, W/o - Bidyadhara Sahu, Caste - Teli, Vill - Tentulipatana 57/316
102.	137/1069	Private	Dry (Gharabari)	0.105	Anama Charan Bhutia, S/o - Damodar Samantray, Caste - Gopal, Vill - Gudianali 137/1069
103.	135/1035	Private	Dry (Gharabari)	0.032	Santilita Swain, W/o - Mihir Kumar Swain, Caste - Kristiyan, Vill - Dhenkanal Town Station Bazar 135/1035
104.	35/946	Private	Dry (Gharabari-I)	0.016	Sandhyarani Panda, W/o - Rabi Narayan Debata, Caste - Brahmin, Vill - Manipur 135/946
105.	192	Private	Dry (Patita)	0.012	Ranjan Kumar Rout, Abhaya Kumar Rout, Ajay Kumar Rout, S/o - Madan Rout, Rasmirekha Rout, D/o - Madan Rout, Kalabati Rout, W/o - Madan Mohan Rout, Amitav Rout, Abinash Rout, Niharika Rout, Amita Rout, Subhashree Rout, Mina Rout, S/D/o - Akhya Kumar Rout, Caste - Gopal, Vill - Gudianali, 1/6 Share, Kapilendra Mahakhud, S/o - Rasabihari Mahakhud, Soudamini Mahakhud, W/o - Sankarsan Mahakhud, Sasisankt Mahakhud, Sisirakant Mahakhud, Krishnachandra Mahakhud, Snehalata Mahakhud, Sarita Mahakhud, S/D/o - Sankarsan Mahakhud, Caste - Gopal, Vill - Gudianali, 1/6 Share, Rasmila Mahakhud, W/o - Samarendra Mahakhud, Debasish Mahakhud, Satyabadi Mahakhud, Satyakanta Mahakhud, S/D/o - Samarendra Mahakhud, Susant Mahakhud, S/o - Akhila Mahakhud, Droupadi Mahakhud, W/o - Akhila Mahakhud, Caste - Gopal, Vill - Gudianali, 1/6 Share, Gokulamanda Mahakhud, S/o - Dibakar Mahakhud, Caste - Gopal, Vill - Gudianali, 1/5 Share, Pramod Kumar Mahakhud, Pankajal Lochan Mahakhud, Bipin Bihari Mahakhud, Biranchi Narayan Mahakhud, S/o - Dibakar Mahakhud, Caste - Gopal, Vill - Gudianali, 2/15 Share, Antaryami Mahakhud, Alekha Mahakhud, Gopabandhu Mahakhud, Arupananda Mahakhud, S/o - Mayadhar Mahakhud, Caste - Gopal, Vill - Gudianali, 1/6 Share, Manorama Achriya, W/o - Sapani Kumar Achriya, Caste - Brahmin, Vill - Vanjapur, PS - Baripada, Dist, Mayurvanja. 192
106.	195/919	Private	Dry (Tails-II)	0.162	Rabindra Kumar Dash, S/o - Hari Prasanna Dash, Caste - Brahmin, Vill - Radagisahi, Dhenkanal Town 195/919
107.	200/352	Private	Dry (Gharabari)	0.121	Parsuram Mohapatra, S/o - Jayakrushna Mohapatra, Pitabasa Mohapatra, S/o - Ganeshwar Mohapatra, Sukamini Mohapatra, Kumudini Mohapatra, D/o - Banshidhara Mohapatra, Kanhu Charan Mohapatra, S/o - Satyabadi Mohapatra, Caste - Brahmin, Vill - Gaudunibedia 200/352
108.	200/353	Private	Dry (Rasta)	0.008	Parsuram Mohapatra, S/o - Jayakrushna Mohapatra, Pitabasa Mohapatra, S/o - Ganeshwar Mohapatra, Sukamini Mohapatra, Kumudini Mohapatra, D/o - Banshidhara Mohapatra, Kanhu Charan Mohapatra, S/o - Satyabadi Mohapatra, Caste - Brahmin, Vill - Gaudunibedia 200/353
109.	31	Private	Dry (Gharabari-I)	0.02	Beni Prasad Bajaj, S/o - Kanheilal Bajaj, Caste - Marwadi, Vill - Choudhuri Bazar Cuttack 31
110.	33	Private	Dry (Gharabari-I)	0.028	Odisha Sintheitik Factory Propieter Beni Prasad Bajaj, S/o - Kanheilal Bajaj, Caste - Marwadi, Vill - Choudhuri Bazar, Cuttack 33
111.	200/280	Private	Dry (Gharabari-I)	0.008	Satyabhama Satapathy, W/o - Balaram Satapathy, Caste - Brahmin, Vill - Lokenathapur, Sasan, Kamakshyanagar 200/280
112.	191/369	Private	Dry (Tails-I)	0.006	Bharat Chandra Chand, S/o - Balakrushna Chand, Caste - Bunakar, Vill - Shyamacharanpur 191/369
113.	64	Private	Wet (Sarada-II)	0.016	Daitari Tripathy, S/o - Krupasindhu Tripathy, Caste - Brahmin, Vill - Dhenkanal Town Gudianali 64
114.	132/1088	Private	Dry (Gharabari)	0.016	Sujata Nath, W/o - Satya Swarup Mishra, Caste - Brahmin, Vill - Nua Sasan 132/1088
115.	132/1049	Private	Wet (Sarada-I)	0.02	Rashmirekha Mishra, W/o - Surjya Prakash Mishra, Caste - Brahmin, Vill - Dhenkanal Town Amalapada 132/1049
116.	191/369/1	Private	Dry (Tails-I)	0.006	Siba Prasad Jena, S/o - Nityananda Jena, Caste - Khayatria, Vill - Dhenkanal Town, Jaya Gopal Sahi 191/369/993
117.	201/286	Private	Dry (Gharabari)	0.008	Aratarana Tripathy, S/o - Pravakar Tripathy, Caste - Brahmin, Vill - Nijigaon 200/286
118.	135/1035	Private	Dry (Gharabari)	0.016	Ashok Kumar Panda, S/o - Banamali Panda, Caste - Brahmin, Vill - Koilipangi 135/974
<b>Village: Korian</b>					
119.	701	Private	Dry (Tails-II)	0.024	Satya Narayan Agrawalla, S/o - Laxmichand Agrawalla, Caste - Marwadi Vill - Dhenkanal Town 701
120.	696	Private	Dry (Bagayat-III)	0.024	Kulamani Mallik, S/o - Hari Mallik, Caste - Pana, Vill - Nijigaon 696
121.	696/1987	Private	Dry (Tails-II)	0.04	Satyajit Samanta Singhara Patra, S/o - Sudhira Bihari Patra, Caste - Khayatria Vill - Nijigaon 696/1987
<b>Village: Syamacharanpur</b>					
122.	5/194	Private	Dry (Gharabari-I)	0.004	Basanti Ram, W/o - Surendranath Ram, Caste - Bania, Vill - Dhenkanal Town Deulasahi 5/194
123.	5/217	Private	Dry (Gharabari-I)	0.004	Mano Mohini Achraya, W/o - Nagendranath Achraya, Caste - Brahmin, Vill - Mukladeipur Sasan 5/217
<b>Taluk: Hindol</b>					
<b>Village: Nimabahali</b>					
1.	1127	Private	Wet (Sarad-III)	0.008	Binaya Kumar Dash, S/o- Pravakar Dash, Caste- Brahmin, Vill- Khallari, Pada Gadapadasahi, Prasant Kumar Tripathy, S/o - Kailash Chandra Tripathy, Caste - Brahmin, Vill - Bentapur, Angul 1127
2.	898	Private	Dry (Gharabari)	0.004	Uttasha Chandra Behera, Ramesh Chandra Behera, Harasa Behera, S/o- Upendra Behera, Caste- Gopal, Vill- Nijigaon 898
<b>Taluk: Odapada</b>					
<b>Village: Artasantrakeneti</b>					
1.	575	Private	Dry (Gharabari)	0.012	Champa Behera, Athila Behera, D/o - Brundaban Behera, Kalari Behera, W/o - Brundaban Behera, Kasinath Behera, S/o - Ramakrushna Behera Caste - Tanti, Vill - Nijigaon 575
2.	674	Government	Jalasaya-1	0.017	Rakhita 674

Sl. No.	Survey Number	Type of Land	Nature of Land	Area in Hectare	Name of the Land Owner/Interested person Part Survey No:
1	2	3	4	5	6
<b>Village: Balaramprasad</b>					
3.	4488/6933	Private	Dry (Tails-II)	0.012	Daya Nayak, Suka Nayak, Bharat Nayak, Bhikari Nayak, S/o - Parama Nayak, Osha Nayak, Kartika Nayak, S/D/o - Baidhar Nayak, Caste - Hadi, Vill - Nijigaon 4488/6933
4.	4488/8310	Private	Dry (Tails-II)	0.012	Pohit Kumar Sahu, Prafull Kumar Sahu, S/o - Pravakar Sahu, Caste - Kalibarta, Vill - Nijigaon 4488/8310
5.	4490	Private	Wet (Sarada-II)	0.036	Panchu Behera, S/o- Gurubari Behera, Caste- Gopal, Vill- Nijigan, Pada- Godidih 4490
6.	4494/7172	Private	Dry (Gharabari)	0.024	Madhusudan Pattanaik, S/o - Dusmanta Pattanaik, Caste - Karan, Vill - Nijigaon 4494/7172
7.	4498	Private	Wet (Sarada-III)	0.004	Namita Sahu, W/o - Lambodar Sahu, Caste - Gudia, Vill - Jarada 4498
8.	4502	Private	Dry (Tails-II)	0.012	Banesh Kumar Jena, S/o - Kulamani Jena, Caste - Khytria, Vill - Nijigaon 4502
9.	4515/8493	Private	Dry (Gharabari)	0.018	Bhoteswar Rout, Jambeswar Rout, Benudhara Rout, S/o - Laxmidhar Rout Caste - Khandayat, Vill - Nijigaon 4515/8493
10.	4523/8399	Private	Dry (Gharabari)	0.004	Bichitra Jena, S/o - Tankadhaba Jena, Caste - Khyatria, Vill - Nijigaon 4523/8399
11.	4532/6850	Private	Dry (Gharabari)	0.01	Raghabendra Moharana, Ranendra Moharana, S/o - Ramesh Chandra Moharana, Caste - Badhei, Vill - Nijigaon 4532/6850
12.	4548	Private	Dry (Gharabari)	0.004	Prafull Kumar Mohapatra, Ramakan Mohapatra, S/o - Kapila Mohapatra Caste - Khyatria, Vill - Nijigaon 4548
13.	4549/7458	Private	Dry (Tails-II)	0.028	Kunja Bihari Mohanty, S/o- Chaitanya Mohanty, Caste- Khandayat, Vill-Nijigaon 4549/7458
14.	4646	Private	Dry (Gharabari)	0.004	Santosh Jena, S/o - Rama Charan Jena, Caste - Khyatria, Vill - Nijigaon 4646
15.	4647	Private	Dry (Gharabari)	0.002	Santosh Jena, Basant Jena, S/o- Rama Charan Jena, Caste- Khyatria, Vill- Nijigaon 4647
16.	4658	Private	Dry (Gharabari)	0.006	Arta Sahu, S/o - Mahadeba Sahu, Dhobei Sahu, S/o - Judhistir Sahu, Dibakar Sahu, S/o - Pitabasa Sahu, Caste - Sundhi, Vill - Mrudaangapali 4658
17.	4658/8305	Private	Dry (Gharabari)	0.004	Janardana Pattanaik, S/o - Dus

Sl. No.	Survey Number	Type of Land	Nature of Land	Area in Hectare	Name of the Land Owner/Interested person Part Survey No:	Sl. No.	Survey Number	Type of Land	Nature of Land	Area in Hectare	Name of the Land Owner/Interested person Part Survey No:						
1	2	3	4	5	6	1	2	3	4	5	6						
54.	1635	Private (Irrigated)	Wet (Tala-I)	0.032	IPI TATA Private LTD. Gundichapada 1635	96.	111/687	Private (Nonirrigated)	Dry (Tala-II)	0.004	Dullav Sahu, S/o - Ananta Sahu, Caste - Gudia, Vill - Barada 116/687						
55.	1641	Private (Irrigated)	Wet (Tala-I)	0.032	IPI TATA Private LTD. Gundichapada 1641	97.	111/689	Private (Nonirrigated)	Dry (Tala-II)	0.002	Sukanta Kumar Sahu, S/o - Sarat Kumar Sahu, Caste - Teli, Vill - Barada 111/689						
56.	1642	Private (Irrigated)	Wet (Tala-I)	0.053	IPI TATA Private LTD. Gundichapada 1642	98.	111/689/782	Private (Nonirrigated)	Dry (Tala-II)	0.002	Soubhagya Kumar Sahu, S/o - Nrusingh Charan Sahu, Caste - Sundhi, Vill - Sariapada 111/689/782						
57.	1643	Private (Irrigated)	Wet (Tala-I)	0.032	IPI TATA Private LTD. Gundichapada 1643	99.	111/692	Private (Nonirrigated)	Dry (Tala-II)	0.008	Gitanjali Sahu, W/o - Nrusingh Charan Sahu, Caste - Sundhi, Vill - Sariapada 111/692						
58.	1644	Private (Irrigated)	Wet (Tala-I)	0.024	IPI TATA Private LTD. Gundichapada 1644	100.	111/693	Private (Nonirrigated)	Dry (Tala-II)	0.008	Padmabati Rout, W/o - Krushna Chandra Rout, Trunamani Rout, W/o - Ramachandra Rout, Dilip Kumar Rout, S/o - Dhadai Rout, Caste - Khandayat, Vill - Sankarpur, Dist - Cuttack 111/693						
<b>Village: Haladiabahal</b>																	
59.	2415	Private	Dry (Bagayat-II)	0.008	Sachidananda Behera, Achyutananda Behera, S/o - Hadibandhu Behera Jira Behera, Methi Behera, Champabati Behera, D/o - Banka Behera, Caste - Gopal, Vill - Nijigaon 2415	101.	111/695	Private (Nonirrigated)	Dry (Tala-II)	0.004	Tunibala Rout, W/o - Ramachandra Rout, Caste - Khandayat, Vill - Sankarpur, Dist - Cuttack 111/695						
<b>Village: Haripur</b>																	
60.	782/1190	Private	Wet (Sarada-II)	0.012	Rupabati Sahu, W/o - Nishakar Sahu, Caste-Teli, Vill - Dhenkanal Town, Hata Road 782/1190	102.	111/698	Private	Dry (Tala-II)	0.004	Padmabati Rout, W/o - Krushna Chandra Rout, Caste - Khandayat, Vill - Sankarpur, Dist - Cuttack 111/698						
<b>Village: Kalusahukateni</b>																	
61.	1331	Private	Wet (Sarada-II)	0.004	Dayanidhi Rout, S/o - Hata Rout, Caste - Gopal, Vill - Nimidha 1331	103.	116/633	Private (Irrigated)	Wet (Tala-II)	0.004	Guru Charan Sahu, S/o - Sridhar Sahu, Caste - Gudia, Vill - Barada 116/633						
62.	1349/2022	Private	Dry (Gharabari)	0.016	Gobardhan Nayak, S/o - Satyabadi Balyarsingh, Caste - Khyatria, Vill - Budhapanka 1349/2022	104.	116/633/662	Private (Irrigated)	Wet (Tala-II)	0.008	Sanjay Kumar Sahu, S/o - Sarat Kumar Sahu, Caste - Teli, Vill - Dhenkanal Town Mandapasihi 116/633/662						
<b>Village: Kharagaprasad</b>																	
63.	3413/8405	Private	Wet (Sarada-II)	0.008	Batakrushna Mahapatra, S/o - Nimaine Charan Mahapatra, Caste - Teli, Vill - Ranjasinga 3412/8405	105.	116/688	Private (Irrigated)	Wet (Tala-I)	0.004	Dullav Sahu, S/o - Ananta Sahu, Caste - Gudia, Vill - Barada 116/688						
64.	3416/8146	Private	Wet (Sarada-II)	0.032	Kubera Sahu, Biprabara Sahu, Sikhra Sahu, S/o - Dasarathi Sahu, Caste - Teli, Vill - Khadagaprasad Patna 3416/8146	106.	103/594	Private (Nonirrigated)	(Unnatajajanajogya)	0.0032	Rakhita 103/594						
<b>Village: Kurunti</b>																	
65.	3794	Private	Dry (Gharabari)	0.008	Nagendra Kumar Behera, S/o - Sudama Behera, Caste - Kaibarta, Vill - Kusupanga 3794	<b>Village: Podapada</b>											
66.	3794/5689	Private	Dry (Tala-II)	0.097	Anjalibala Mohanty, W/o - Durjyodhan Mohanty, Caste - Karan, Vill - Nijigaon 3794/5689	107.	2545	Government	Dry (Rasta)	0.012	Sarbasadharana 2545						
<b>Village: Meramandali</b>						108.	2555	Private	Dry (Gharabari)	0.008	Kirtan Dehuri, S/o - Gada dehuri, Caste - Saar, Vill - Nijigaon 2555						
67.	1224	Government	Jalasaya-II	0.04	Rakhita 1224	109.	2556	Private	Dry (Gharabari)	0.004	Daitya Swain, S/o - Nanda Swain, Jayanti Swain, W/o - Daitya Swain, Caste - Khandayat, Vill - Nijigaon 2556						
68.	1179	Private	Wet (Sarada Do Fasal-I)	0.008	Birabara Sahu, Malati Sahu, S/D/o - Daun Sahu, Haladhara Sahu, Sridhar Sahu, Jaladhara Sahu, S/o - Mukunda Sahu, Kismat - 25%, Bhuban Sahu, Upasi Sahu, Asha Sahu, Musi Sahu, S/D/o - Dharmu Sahu, Hara Sahu, W/o - Dharmu Sahu, Dhani Sahu, S/o - Khaga Sahu, Kismat - 25%, Ali Sahu, S/o - Hadibandhu Sahu, Sambari Sahu, W/o - Hadibandhu Sahu, Rushia Sahu, S/o - Nanda Sahu, Kismat - 25%, Nidhia Sahu, Madhaba Sahu, Kailash Sahu, Manguli Sahu, S/o - Tirtha Sahu, Pandari Sahu, W/o - Tirtha Sahu, Hrushi Sahu, S/o - Siba Sahu, Athina Sahu, W/o - Mallia Sahu, Kismat - 25%, Caste - Chasa, Vill - Nijigaon 1179	110.	2557	Government	Dry (Bastijogya)	0.016	Rakhita 2557						
69.	1228	Private	Wet (Sarada Jala Do Fasal-II)	0.008	Magata Sahu, S/o - Gopinatha Sahu, Gouranga Sahu, Ichha Sahu, Tulasi Sahu, Jasoda Sahu, Paichha Sahu, Parbati Sahu, S/D/o - Sambhu Sahu, Labanya Sahu, W/o - Sambhu Sahu, Caste - Chasa, Vill - Nijigaon 1228	111.	2558	Government	Dry (Rasta)	0.008	Sarbasadharana 2558						
70.	1198	Private	Wet (Sarada Do Fasal-I)	0.024	Charan Sahu, Narana Sahu, Sansari Sahu, Upashi Sahu, S/D/o - Ainthu Sahu, Caste - Chasa, Vill - Nijigaon 1198	112.	2570	Government	Dry (Bastijogya)	0.004	Rakhita 2570						
71.	1211	Private	Wet (Sarada Jala Do Fasal-II)	0.02	Mochia Sahu, Benu Sahu, S/o - Sridhar Sahu, Caste - Chasa, Vill - Nijigaon 1211	113.	2571	Government	Dry (Rasta)	0.008	Sarbasadharana 2571						
72.	1225	Government	Wet (Adi)	0.008	Rakhita 1225	114.	2573	Government	Dry (Bastijogya)	0.008	Krushna Chandra Behera, Naharaga Behera, Sikra Behera, S/o - Duari Behera, Madhusmita Behera, W/o - Jugil Kishore Behera, Caste - Gopal, Vill - Podapada 2573						
73.	1569	Government	Dry (Danda)	0.008	Sarbasadharana 1569	115.	2576	Private	Dry (Tala-II)	0.016	Kanhu Charan Behera, S/o - Arjun Behera, Caste - Keuta, Vill - Nijigaon 2576						
74.	1588	Government	Wet (Sarada Jala Do Fasal-II)	0.049	Abadajogya Anabadi 1588	116.	2574	Government	Dry (Bastijogya)	0.004	Krushna Chandra Behera, Naharaga Behera, Sikra Behera, S/o - Duari Behera, Madhusmita Behera, W/o - Jugil Kishore Behera, Caste - Gopal, Vill - Podapada 2574						
75.	1589	Private	Wet (Sarada Jala Do Fasal-II)	0.008	Dhani Sahu, S/o - Khaga Sahu, Caste - Chasa, Vill - Nijigaon 1589	117.	2577	Private	Dry (Gharabari)	0.004	Krushna Chandra Behera, Naharaga Behera, Sikra Behera, S/o - Duari Behera, Madhusmita Behera, W/o - Jugil Kishore Behera, Caste - Gopal, Vill - Podapada 2577						
76.	858	Private	Wet (Sarada-III)	0.008	Birabara Sahu, Malati Sahu, S/D/o - Daun Sahu, Haladhara Sahu, Sridhar Sahu, Jaladhara Sahu, S/o - Mukunda Sahu, Nidhia Sahu, Madhaba Sahu, Kailash Sahu, Manguli Sahu, S/o - Tirtha Sahu, Pandhari Sahu, W/o - Tirtha Sahu, Rabi Sahu, Lata Sahu, S/D/o - Nabina Sahu, Mukta Sahu, W/o - Nabina Sahu, Nakafodi Sahu, Kanthia Sahu, S/o - Hrusi Sahu, Athina Sahu, W/o - Mallia Sahu, Bhuban Sahu, Upash Sahu, Asha Sahu, Musi Sahu, S/D/o - Dharmu Sahu, Dhan Sahu, S/o - Khaga Sahu, Alli Sahu, S/o - Hadi Sahu, Sambari Sahu, D/o - Rushia Sahu, Labana Sahu, W/o - Rushia Sahu, Caste - Chasa, Vill - Nijigaon 858	118.	2578	Government	Dry (Bastijogya)	0.008	Rakhita 2578						
<b>Village: Motanga</b>						119.	2579	Government	Dry (Tala-II)	0.008	Abadajogya Anabadi 2579						
77.	1016	Private	Wet (Sarada Jala Do Fasal-II)	0.004	Sanjay Kumar Sahu, S/o - Golekha Bihari Sahu, Caste - Teli, Vill - Dhenkanal Town, Mandapasihi 1016	120.	2581	Private	Dry (Gharabari)	0.004	Gourhri Bhutia, Nimein Charan Bhutia, S/o - Satyananda Bhutia, Caste - Gopal, Vill - Nijigaon 2581						
78.	1261	Private	Wet (Sarada Jala Do Fasal-II)	0.02	Rangei Padhan, Gandu Padhan, S/o - Damodar Padhan, Labanya Padhan D/o - Santra Padhan, Caste - Chasa, Vill - Nijigaon 1261	121.	2606	Private	Dry (Tala-II)	0.016	Gourhri Bhutia, Nimein Charan Bhutia, S/o - Satyananda Bhutia, Caste - Gopal, Vill - Nijigaon 2606						
79.	1276	Private	Wet (Sarada Jala Do Fasal-II)	0.012	Sarat Chandra Padhan, S/o - Sudam Padhan, Anjali Nayak, D/o - Golaka Padhan, Pramila Padhan, W/o - Golaka Padhan, Balakrushna Padhan, Sangram Padhan, Sarangadhar Padhan, Pramoda Padhan, Labanga Dehuri, S/D/o - Subala Padhan, Aruna Padhan, Pradipa Padhan, Pratima Padhan, Jystona Padhan, S/D/o - Ramesh Chandra Padhan, Bishnu Charan Padhan, Saraswati Padhan, S/D/o - Dukhabandhu Padhan, Caste - Chasa, Vill - Nijigaon 1276	122.	2606/4382	Private	Dry (Tala-II)	0.004	Gourhri Bhutia, Nimein Charan Bhutia, S/o - Satyananda Bhutia, Caste - Gopal, Vill - Nijigaon 2606/4382						
<b>Village: Mrudangapali</b>																	
83.	330	Private	Wet (Baje Fasal-I)	0.012	Basant Kumar Prusty, S/o - Kambu Prusty, Caste - Bania, Vill - Balaramprasad 330/471	123.	104	Private	Dry (Tala-II)	0.008	Sudama Padhan, Subal Padhan, S/o - Dambarudhar Padhan, Manu Padhan, S/o - Bira Padhan, Caste - Chasa, Vill - Motanga, Kismat - 50%, Bhagaban Sahu, Purandhar Sahu, Lochan Sahu, Tanguru Sahu, S/o - Rama Sahu, Garia Sahu, W/o - Rama Sahu, Dasha Sahu, S/o - Balei Sahu, Duhita Sahu, W/o - Ajhata Sahu, Chemutu Sahu, S/o - Rushi Sahu, Bhanu Sahu, W/o - Rushi Sahu, Kismat - 50%, Caste - Chasa, Vill - Nagari 104						
<b>Village: Nayabaghirathipur Purbabada</b>						124.	106	Private	Wet (Biale)	0.04	Sudama Padhan, Subal Padhan, S/o - Dambarudhar Padhan, Manu Padhan, S/o - Bira Padhan, Caste - Chasa, Vill - Motanga, Kismat - 50%, Bhagaban Sahu, Purandhar Sahu, Lochan Sahu, Tanguru Sahu, S/o - Rama Sahu, Garia Sahu, W/o - Rama Sahu, Dasha Sahu, S/o - Balei Sahu, Duhita Sahu, W/o - Ajhata Sahu, Chemutu Sahu, S/o - Rushi Sahu, Bhanu Sahu, W/o - Rushi Sahu, Kismat - 50%, Caste - Chasa, Vill - Nagari 106						
84.	1426/1933	Private	Dry (Patita)	0.012	Debasis Nanda, S/o - Kunja Bihari Nanda, Caste - Brahmin, Vill - Dhenkanal Town Kunjarkanta 1426/1933	125.	110	Private	Wet (Biale)	0.004	Dandia Naik, S/o - Sankhali Naik, Caste - Pana, Vill - Nagari 110						
85.	1582	Private	Wet (Tala-I)	0.012	Bidyadhar Satapathy, Bhagaban Satapathy, Banamali Satapathy, S/o - Pravakar Satapathy, Caste - Brahmin, Vill - Nijigaon 1582												







# Exam Mate

Mock Test Paper for Std X, XII CBSE Board, IIT - JEE Main &amp; Advanced.

FOR ANSWERS VISIT : [www.dharitri.com](http://www.dharitri.com)

## MOCK TEST PAPER # 1

### CLASS-XII (MATHEMATICS)

Time Allowed : 3 hours

Maximum Marks: 100

#### GENERAL INSTRUCTIONS

- All questions are compulsory
- Please check that this question paper contains 29 questions.
- Questions 1-4 in Section A are very short answer type questions carrying 1 mark each.
- Questions 5-12 in Section B are short answer type questions carrying 2 marks each.
- Questions 13-23 in Section C are short answer questions carrying 4 marks each.
- Questions 24-29 in Section D are long answer questions carrying 6 marks each.
- Please write down the serial number of the questions before attempt it.

#### SECTION-A

- Give an example to show that the relation  $r$  defined as  $R = \{(x, y) : x, y \in N, x \leq y^2\}$  is not transitive.
- If  $f : R \rightarrow R$  be defined by  $f(x) = |x|$ , prove that  $f \circ f = f$ .
- If  $\begin{vmatrix} 1 & k & 3 \\ 3 & k & -2 \\ 2 & 3 & -1 \end{vmatrix} = 0$  then find  $k$ .
- For what value of  $\lambda$  the vectors  $\vec{a} = 2\hat{i} + \lambda\hat{j} + \hat{k}$  and  $\vec{b} = \hat{i} - 2\hat{j} + 3\hat{k}$  are perpendicular to each other?

#### SECTION-B

- Write in simplest form  $\sin^{-1}(x\sqrt{1-x} - \sqrt{x}\sqrt{1-x^2})$
- Construct a  $3 \times 2$  matrix whose elements are given by  $a_{ij} = e^{ix} \sin jx$ .
- If  $y = \log \sqrt{\sin \sqrt{e^x}}$ . Find  $\frac{dy}{dx}$ .
- Show that the tangents to the curve  $y = 7x^3 + 11$  at the points where  $x = 2$  and  $x = -2$  are parallel.
- Evaluate:  $\int \frac{x + \cos 6x}{3x^2 + \sin 6x} dx$
- Find the differential equation of all non-horizontal lines in a plane.
- If  $|\vec{a}|=3$  and  $-1 \leq k \leq 2$ , then find the interval in which  $|k \vec{a}|$  lies.
- If A and B are independent events such that  $p(A) = p$ ,  $p(B) = 2p$  and  $P(\text{Exactly one of A, B}) = \frac{5}{9}$ , then find p.
- If  $A = \begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix}$  and  $B = \begin{bmatrix} 0 & -1 \\ 1 & 1 \end{bmatrix}$ , show that  $(A + B)(A - B) \neq A^2 - B^2$ .

14. Let  $f(x) = \begin{cases} \frac{1-\cos x}{x^2}, & \text{if } x < 0 \\ a, & \text{if } x = 0 \\ \frac{\sqrt{x}}{\sqrt{16+\sqrt{x}-4}}, & \text{if } x > 0 \end{cases}$

For what value of a, f is continuous at  $x = 0$  ?

- If  $y = \sin^{-1}(x\sqrt{1-x} - \sqrt{x}\sqrt{1-x^2})$  and  $0 < x < 1$ , then find  $\frac{dy}{dx}$

OR

If  $(x-a)^2 + (y-b)^2 = c^2$ , for some  $c > 0$ , then prove that  $\frac{d^2y}{dx^2} = \left[1 + \left(\frac{dy}{dx}\right)^2\right]^{3/2}$  is a constant, independent of a and b.

- Show that the normal at any point  $\theta$  to the curve  $x = a \cos \theta + \theta \sin \theta$ ,  $y = a \sin \theta - \theta \cos \theta$  is at a constant distance from the origin.

- The graph of  $y = \frac{ax-b}{(x-1)(x-4)}$  has a turning point at  $P(2, -5)$ . Find the value of 'a' and 'b'.

- Evaluate:  $\int_0^1 \frac{dx}{\{ax+b(1-x)\}^2}$

OR

$$\text{Evaluate: } \int \frac{\sin 2x}{(a + b \cos x)^2} dx$$

- The slope of the tangent at any point on a curve is  $\lambda$  times the slope of the straight line joining the point of contact to the origin. Find the equation of the curve.

OR

$$\text{Solve the following differential equation: } \left[ \frac{e^{-2\sqrt{x}}}{\sqrt{x}} - \frac{y}{\sqrt{x}} \right] \frac{dx}{dy} = 1, x \neq 0$$

- If M and N are mid points of the diagonals AC and BD respectively of a quadrilateral ABCD, show that  $\overline{AB} + \overline{AD} + \overline{CB} + \overline{CD} = 4\overline{MN}$ .
- Find a unit vector perpendicular to the plane of triangle ABC, where the coordinates of its vertices are A(3, -1, 2), B(1, -1, -3) and C(4, -3, 1).
- Four balls are to be drawn without replacement from a box containing 8 red and 4 white balls. If X denotes the number of red ball drawn, find the probability distribution of X.
- Of the students in a school; it is known that 30% have 100% attendance and 70% students are irregular. Previous year results report that 70% of all students who have 100% attendance attain A grade and 10% irregular students attain A grade in their annual examination. At the end of the year, one student is chosen at random from the school and he has A grade. What is the probability that the student has 100% attendance ?
- i. Write any two values reflected in this question.  
ii. Is regularity required only in school ? Justify your answer.

#### SECTION-D

- Show that the function  $f : R \rightarrow R$  defined by  $f(x) = \frac{x}{x^2 + 1}$ ,  $\forall x \in R$  is neither one-one nor onto.
- By using properties of determinant, show that

$$\begin{vmatrix} 1+a^2-b^2 & 2ab & -2b \\ 2ab & 1-a^2+b^2 & 2a \\ 2b & -2a & 1-a^2-b^2 \end{vmatrix} = (1+a^2+b^2)^3$$

OR

In a triangle ABC, if  $\begin{vmatrix} 1 & 1 & 1 \\ 1+\sin A & 1+\sin B & 1+\sin C \\ \sin A + \sin^2 A & \sin B + \sin^2 B & \sin C + \sin^2 C \end{vmatrix} = 0$ , then prove that  $\Delta ABC$  is an isosceles triangle.

- Evaluate:  $\int_2^5 \frac{x^3 + x}{x^4 - 9} dx$

OR

$$\text{Evaluate: } \int_2^5 [|x-2| + |x-3| + |x-5|] dx$$

- Using integration, find the area of the following region:  $\{(x, y) : |x-1| \leq y \leq \sqrt{5-x^2}\}$

- Find the distance of the point  $(-2, 3, 4)$  from the line  $\frac{x+2}{3} = \frac{2y+3}{4} = \frac{3z+4}{5}$  measured parallel to the plane  $4x + 12y - 3z + 1 = 0$

OR

A plane meets the coordinate axes in A, B, C such that the centroid of the triangle ABC is the point  $(\alpha, \beta, \gamma)$ . Show that the equation of the plane is  $\frac{x}{\alpha} + \frac{y}{\beta} + \frac{z}{\gamma} = 3$ .

- A company produces soft drinks that has a contract which requires that a minimum of 80 units of the chemical A and 60 units of the chemical B go into each both of the drink. The chemicals are available in prepared mix packets from two different suppliers. Suppliers S had a packet of mix of 4 units of A and 2 units of B that costs ` 10. The supplier T has a packet of mix of 1 unit of A and 1 unit of B that costs ` 4. How many mix packets mix from S and T should the company purchase to honour the contract requirement and yet minimize cost ? Make a LPP and solve graphically.

For Answers visit: [www.dharitri.com](http://www.dharitri.com)







କାନାଡ଼ାକୁ ପରାୟ୍ମ କରିବା ପରେ ଭାରତୀୟ ଖେଳାଳିଙ୍କ ସେଲିବ୍ରେଶନ ।

# ପାତ୍ର ଚେତ୍ତି

**ପ୍ରେ:** ଖେ-ଖେଳଛ, ଜୀ- ଜଡ଼ଛ, ହା-ହାରଛ, ଗୋ.ସା-ଗୋଲ ସପକ୍ଷରେ, ଗା.ଦି-ଗୋଲ ବିପକ୍ଷରେ, ଗୋ.ବ୍ୟ-ଗୋଲ ବ୍ୟବଧାନ, ପ.-ପାଣ୍ଠି ।

# କିମିଟ୍ କିମର

# ପ୍ରୟାନ୍ତ ଭିଲେଜରେ ଚାଇନା, ଛଂକୁଣ୍ଡ

କଳିଙ୍ଗ ସ୍ଥାନିଯମରେ ବାଲିଥିବା ହକି ଦିଶୁକପ ଅବସରେ ଶନିବାର ପାନ ଭିଲେଜଙ୍କୁ ଯାଇ ମଜା କରିବା ସହ ଦର୍ଶକଙ୍କୁ ସେଲାଟି ନେବାର ସୁଯୋଗ ପ୍ରଦାନ କରିଥିଲେ ଚାଇନା ଓ ଝଳକ ଦଳର ଖେଳିଲାମେ । ଶୁଭବାର ଅନୁଷ୍ଠାତ ଲିମ୍ ମ୍ୟାଚରେ ଦିଶୁଚାମିଯନ ଅନ୍ତର୍ମିଳିଆଠାରୁ ୧୧-୦ ଗୋଲରେ ପରାଜିତ ହୋଇଥିବା ଚାଇନା ଏହାକୁ ଏକ ଫୁଲସ୍ଵପ୍ନୀ ସଦୃଶ ନେଇ ଶନିବାର ପାନ ଭିଲେଜରେ ପାଠ ଗାଇବା ସହ ଓଣି ସହ ନାଟି ମନୋରଞ୍ଜନ କରିଥିଲା । ଏହାପରେ ଝଳକ ଖେଳକି ଆସି ଅନୁଭୂପତାବେ ମଜା ମସ୍ତି କରିଥିଲେ । ଝଳକ ଖେଳକିଙ୍କ ସହ ସେଲାଟି ନେବାରୁ ଦର୍ଶକଙ୍କ ମଧ୍ୟରେ ଗହିଲାଗି ଯାଇଥିଲା । ତେବେ ଝଳକ ଖେଳିଲାମେ କୌଣସି ଦର୍ଶକଙ୍କୁ ନିରାଶା ସୁଯୋଗ ଦେଇଥିଲେ । ପ୍ରକାଶ ଯୋଗ୍ୟ ଯେ ଉଭୟ ଚାଇନା ଓ ଝଳକ ଗୁପ୍ତ ବିଭାଗ କ୍ରସ୍‌ଓଡ଼ର ଖେଳିବା ପାଇଁ ଯୋଗ୍ୟତା ଅର୍ଜନ କରିଛନ୍ତି ।

## ଦୁତତମ ଗୋଲ

ଚଳିତ ହକି ଦିଶୁକପର ଦୁତତମ ଗୋଲ ଦକ୍ଷିଣ ଆପ୍ରିକାର ନିକୋଲାସ ସୁନରଙ୍ଗ ନାମରେ ରେକର୍ଡ ହୋଇଛି । ସେ ଶନିବାର ପୁଲ୍‌ସି' ମାୟାଚ ଆରମ୍ଭ ଶାରୀ ମଧ୍ୟରେ ବେଳଜିଯମ ଦିବକର ଏକ ପିଲ୍ଲା ଗୋଲ ସ୍କୋର କରି ଦକ୍ଷିଣ ଆପ୍ରିକା କୁ ଅଗ୍ରଣୀ କରାଇଥିଲେ । ପରେ ଅଭିନ୍ୟାଦିକିରଣ ଆପ୍ରିକା ଏହିମାୟାଚ ହାରିଯାଇଥିଲା । ଏହା ପୁର୍ବରୁ ଏଠାରେ ସ୍କୋର ଏନରିକ୍ ଗୋଞ୍ଗାଲେଜ ମ୍ୟାଚର ଶାରୀ ମିନିଟରେ ଆର୍ଜେଣ୍ଟା ଦିବକର ଗୋଲ ଦେଇ ଥିଲା ।



# ଫ୍ୟାନ୍ କର

# ଓଡ଼ିଆ ଲେଖକ ଅଭିନନ୍ଦନ

କମାର ପ୍ରଦର୍ଶନ କଲେ । ପ୍ରଥମ ଏବ ପୋଷଣ କରିଥିଲା ମାତ୍ର ଗୋଲ ପଳିଥିଲା । ଏହାର ଫାଇଦା ମିଳିଲା କି କାରିର ଫାଇନାଲରେ ପ୍ରବେଶ ପାଇଁ ଏହି ବିଶ୍ୱକପ ନିଷ୍ଠିତ ଏକ ଚୁନ୍ନାମେଣ୍ଟରେ ଗୋଲ ତା'ଛଡ଼ା ଘରୋଇ ଏବମ ମଧ୍ୟବିତ୍ତରେ ମଧ୍ୟବିତ୍ତର କାନାଡ଼ା ବିପକ୍ଷରେ ମ୍ୟାଟ ଜିତି ବିଶ୍ୱକପର କାର୍ତ୍ତର ଫାଇନାଲରେ ପ୍ରବେଶ କରିଥିବାରୁ ମୁଁ ଭାରତୀୟ ଦଳକୁ ପ୍ରଥମେ ଅଭିନନ୍ଦନ ଜଣାଉଛି । ମ୍ୟାଟ ବହୁତ ବଢ଼ିଆ ହେଲା । ଭଲ ବ୍ୟବଧାନରେ ମଧ୍ୟ ଜିତିଲା । ତେଣୁ ମୁଁ କହିବି ଯେ ଚିମ୍ ଠିକ୍ ପଥରେ ରହିଛି । ଯୁବ ଦଳ ଭଲ ଖେଳୁଛି । ଦଳର ଆଗାକ୍ ବହୁତ ଭଲ ଅଛି । ଏହା ବ୍ୟତାତ ଡିପେନ୍ଡର ମୁଁ ଦେଖୁଛି ଶୁଣ ଟ୍ୟାକଲିଁ ଡିଫେନ୍ଡର ବହୁତ ଉନ୍ନତି ହୋଇଛି । ଯେଉଁଠି ବଳକୁ ନେଇ ପ୍ରତିପକ୍ଷ ଦଳ ଆସୁଛି ସେଠାରେ ଆମାର ଏକାଧିକ ଡିପେନ୍ଡର ଟ୍ୟାକଲିଁ ପାଇଁ ପହଞ୍ଚ ଯାଉଛନ୍ତି । ଏହା ବହୁତ ଭଲ ସୂଚନା । ଅମିତ ଗୋହିଦାସଙ୍କୁ ଅଭିନନ୍ଦନ । ସେ ଗ୍ରାଉଣ୍ଡରେ ବହୁତ ଭଲ ପ୍ରଦର୍ଶନ କରିଥିଲେ ।



ଶନିବାର ପୁଲ୍ 'ସି' ମ୍ୟାଚରେ ଭାରତୀୟ ଦଳ ବନ୍ଦୁତ ଭଲ ଖେଳିଲା । ସବୁ ଖେଳାଳି ବମଙ୍ଗାର ପ୍ରଦର୍ଶନ କଲେ । ପ୍ରଥମ ଗୋଲଟି ଝୋର ପରେ ଯଦିଓ ଦଳ  
୧-୧ ପ୍ଲିଟିକୁ ଆସିବାପରେ ପୁଣି  
ଏବଂ ଦଳ ୪-୧ ଗୋଲରେ  
କଲା । ଓଡ଼ିଶାର ଅମିତ  
ଶ୍ରୀରାମ ରହିବ । କାରଣ  
ଦେବାଠାରୁ ଆଉ ବଡ଼ କଥା  
ଦର୍ଶକଙ୍କ ସାମନାରେ ଗୋଲ  
ଅମିତ ତାହା କରି ଦେଖାଇଲା ।  
ଯୁଦ୍ଧରଗଡ଼ର ସତରମ୍ବୁରା  
ସେମାନେ ମଧ୍ୟ ଅମିତର ଖେଳ ଦେଖୁ  
ବୋଲି ମ୍ୟାଚର ଅନ୍ୟତମ ଅତିଥି ତଥା ପୂର୍ବତନ ଭାରତୀୟ ଅଧିନାୟକ ପ୍ରବୋଧ  
ଟିର୍କୀ ପ୍ରକାଶ କରିଛନ୍ତି । ଭାରତ ମ୍ୟାଚରେ ମୋତେ ଅତିଥି କରାଯାଇଥିବାରୁ ମୁଁ  
ସରକାର ଏବଂ ହଜିଲିଶ୍ଚିଆକୁ ଧନ୍ୟବାଦ ଦେବି । ଏପରି ଏକ ମୁନ୍ଦୁବପୂର୍ଣ୍ଣ ମ୍ୟାଚରେ  
ଅତିଥ୍ୟହେବା ଏବଂ ଭାରତ ଓ କାନାଡ଼ା ଖେଳାଳିଙ୍କ ସହ ହାତିଲାଭବା ମୋ ପାଇଁ  
ଏବଂ ମୂରା ମନ୍ଦ୍ୟ । ଏକ ମୋ ମାତ୍ର ମଧ୍ୟ ସଂଶୋଧ କୌଣସି କରିଛନ୍ତି ।



ଲିଳା । ସବୁ ଖେଳକି ଚମକାର ପ୍ରଦର୍ଶନ କଲେ । ପ୍ରଥମ  
 କ ହାଲିକା ମନୋଭାବ ପୋଷଣ କରିଥିଲା ମାତ୍ର ଗୋଲ  
 ଶୁଦ୍ଧ ଦେଇ ଖେଳିଥିଲା । ଏହାର ଫାଇଦା ମିଳିଲା  
 କାନାଡ଼ାକୁ ହରାଇ କ୍ଲାର୍ଟର ପାଇନାଲରେ ପ୍ରବେଶ  
 ଗୋହିଦାସଙ୍କ ପାଇଁ ଏହି ବିଶ୍ଵକପ ନିଶ୍ଚିତ  
 ବିଶ୍ଵକପ ପରି ଏକ ଝୁରୀମୋଷରେ ଗୋଲ  
 କିଛି ନାହିଁ । ତା'ହାର ଘରୋଇ  
 ଦେବାର ଅନୁଭବ ମଧ୍ୟ ସତନ୍ତ୍ର ।  
 ଅମିତର ପରିବାରବର୍ଗ  
 ଗ୍ରାମରୁ ଆସିଥିଲେ ।  
 ଅନୁଭବ କରିଥିବେ  
 ପ୍ରମାଯକ ପ୍ରବୋଧ  
 ଯାଇଥିବାରୁ ମୁଁ  
 ହୃଦୟ ମ୍ୟାଚରେ  
 ଲବା ମୋ ପାଇଁ  
 ଯାଏମ୍ ନହିଁ ।  
 ଉତ୍ତର  
 ଏହା ବ  
 ଡିପେସ୍ଟ ବହୁ  
 ପ୍ରତିକଷ ଦଳ ଆ  
 ଚ୍ୟାକଳିଁ ପାଇଁ ପହଞ୍ଚ  
 ଗୋହିଦାସଙ୍କୁ ଅଭିନନ୍ଦନ ।  
 ତାଙ୍କ ଭବିଷ୍ୟତ ଉଜ୍ଜଳ ଥବା ଯୁବ  
 ଦେଖୁଥିବା ପଦ୍ମଶ୍ରୀ ତଥା ପୂର୍ବ  
 ଅଳ୍ପିଆ

A black and white photograph of a young man with dark hair, wearing a blue button-down shirt. He is standing in front of a brick wall. The image is framed by a thick black border.











