

Appendix F

KERALA UNIVERSITY

TEST OF NUMERICAL ABILITY

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KERALA UNIVERSITY

(NUMERICAL ABILITY TEST)

നിർദ്ദേശങ്ങൾ

അക്ഷങ്ങൾ കൈകാര്യം ചെയ്യാൻ നിങ്ങൾക്കുള്ള കഴിവ് പരിശോധിക്കുകയാണ് ഈ പരീക്ഷകൊണ്ട് ഉദ്ദേശിച്ചിട്ടുള്ളത്. ചോദ്യങ്ങൾക്കുള്ള ഉത്തരങ്ങൾ ശരിയായും വേഗത്തിലും എഴുതി തീർക്കണം. നിങ്ങളുടെ ഉത്തരങ്ങൾ ഉത്തരക്കടലാസ്സിൽ മാത്രം എഴുതുക.

നിങ്ങൾക്കു തരുന്ന ഈ ചോദ്യ ബൃഹതിൽ യാതൊന്നും എഴുതുകയോ അടയാളപ്പെടുത്തുകയോ ചെയ്യരുത്. എന്തെങ്കിലും ഒരു ചോദ്യം വളരെ വിഷമമാണെന്ന് തോന്നുകയാണെങ്കിൽ അതിനു വേണ്ടി വളരെയധികം സമയം ചെലവഴിക്കാതെ അടുത്ത ചോദ്യങ്ങളിലേക്ക് കടക്കുക. ഇങ്ങനെ ചെയ്യേണ്ടിവരുമ്പോൾ ഉത്തരക്കടലാസ്സിൽ വിട്ടുപോയ ചോദ്യനമ്പരിനു നേരെ ഒരു അടയാളമിടുക. ഈ ക്ലേശ്മിൻറെ അവയാണത്തിൽ സമയമുണ്ടെങ്കിൽ ഈ ചോദ്യങ്ങളിലേക്ക് തിരിച്ചു വരാൻ ഈ രീതി നിങ്ങളെ സഹായിക്കും.

ഓരോ ചോദ്യത്തിനും 4 ഉത്തരങ്ങൾ വീതം ഉത്തരക്കടലാസ്സിൽ കൊടുത്തിട്ടുണ്ട്. ശരിയായ ഉത്തരത്തിൻറെ താഴെയുള്ള വൃത്തത്തിനുള്ളിൽ ഈ (X) ചിഹ്നം ഇടുക. തെറ്റായി അടയാളപ്പെടുത്തിയാൽ ആ വൃത്തത്തിനു ചുറ്റും ഒരു ചതുരം വരച്ചതിനു ശേഷം ശരിയായ ഉത്തരത്തിനു താഴെയുള്ള വൃത്തത്തിനുള്ളിൽ ഈ (X) ചിഹ്നം ഇടുക.

ഉദാഹരണങ്ങളിൽ കൂടി ഈ ചോദ്യങ്ങൾ ചെയ്യുന്ന രീതി ആരംഭത്തിൽ തന്നെ നിങ്ങൾക്ക് മനസ്സിലാക്കി തരുന്നതാണ്. നിങ്ങൾക്കുള്ള സംശയങ്ങളെല്ലാം തീർത്തിനു ശേഷം ചോദ്യങ്ങൾക്ക് ഉത്തരങ്ങളെഴുതുക.

ADDITION A

സമാധാനം 2 മിനിറ്റുകൾ

5

		A	B	C	D
I	$37 + 49 =$	86	87	88	89
II	$15 + 19 + 23 =$	58	59	60	61
III	$23 + 37 + 35 =$	93	94	95	96
IV	$40 + 56 + 75 =$	169	170	171	172
V	$75 + 60 + 55 =$	188	190	192	194
VI	$25 + 64 + 71 =$	160	165	170	175
VII	$215 + 125 =$	338	340	342	344
VIII	$104 + 66 =$	167	170	173	176
IX	$117 + 123 =$	235	240	245	250
X	$136 + 246 =$	360	361	362	363

ADDITION B

സമാധാനം 3 മിനിറ്റുകൾ

		A	B	C	D
I	$\frac{2}{5} + \frac{3}{5} =$	$\frac{4}{5}$	1	$1\frac{1}{5}$	$1\frac{2}{5}$
II	$\frac{1}{2} + \frac{3}{8} =$	$\frac{5}{8}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{3}{8}$
III	$\frac{2}{3} + \frac{5}{9} =$	$\frac{7}{9}$	$1\frac{2}{9}$	$\frac{8}{9}$	$1\frac{4}{9}$
IV	$7 + \frac{1}{2} + \frac{1}{4} =$	8	$8\frac{1}{4}$	$8\frac{1}{2}$	$8\frac{3}{4}$
V	$1 + \frac{1}{3} + \frac{1}{6} =$	1	$1\frac{1}{2}$	$1\frac{2}{3}$	$1\frac{5}{6}$
VI	$1 + 1\frac{1}{2} + 1\frac{1}{3} =$	$2\frac{1}{2}$	4	$4\frac{1}{2}$	$4\frac{2}{3}$
VII	$2\frac{1}{2} + 2\frac{1}{2} + 8 =$	$7\frac{1}{2}$	$7\frac{1}{2}$	8	$8\frac{1}{2}$
VIII	$3\frac{1}{4} + 2\frac{3}{4} + 2\frac{1}{4} =$	$9\frac{1}{4}$	10	$10\frac{1}{4}$	11
IX	$2\frac{1}{5} + 2\frac{3}{5} + \frac{7}{10} =$	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$
X	$7\frac{1}{2} + 3\frac{1}{2} + 5\frac{1}{2} =$	$15\frac{1}{2}$	16	$16\frac{1}{2}$	17

ADDITION C

സമാധാനം 4 മിനിറ്റുകൾ

		A	B	C	D
I	$5.8 + 0.4 =$	5.9	6.0	6.1	6.2
II	$4.2 + 0.8 + 1.0 =$	5.8	5.9	6.0	6.1
III	$15.25 + 1.5 =$	16.50	16.75	17.00	17.25
IV	$12.50 + 0.50 =$	12.75	13.00	13.25	13.50
V	$1.65 + 2.50 + 2.75 =$	6.80	6.85	6.90	6.95
VI	$6.15 + 5.27 + 11.18 =$	22.50	22.55	22.60	22.65
VII	$5.85 + 4.55 + 0.15 =$	10.50	10.55	10.60	10.65
VIII	$2.325 + 1.605 + 0.125 =$	4.155	4.125	4.055	4.325
IX	$1.501 + 6.005 + 0.50 =$	8.605	8.706	8.006	8.126
X	$1.125 + 0.05 + 0.925 =$	1.625	1.500	1.515	1.215

SUBTRACTION A

സമാധാനം 2 മിനിറ്റുകൾ

6

			A	B	C	D
I	21 - 13 =	—	7	8	9	10
II	290 - 181 =	—	97	98	99	100
III	365 - 278 =	—	85	86	87	88
IV	900 - 879 =	—	20	21	22	23
V	649 - 599 =	—	50	51	52	53
VI	330 - 289 =	—	60	61	62	63
VII	200 - 99 =	—	100	101	102	103
VIII	351 - 199 =	—	150	151	152	153
IX	565 - 499 =	—	75	76	77	78
X	501 - 387 =	—	114	115	116	117

SUBTRACTION B

സമാധാനം 3 മിനിറ്റുകൾ

			A	B	C	D
I	$\frac{2}{3} - \frac{1}{4} =$	$\frac{5}{12}$	$\frac{2}{3}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$
II	$\frac{7}{8} - \frac{3}{8} =$	$\frac{4}{8}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{4}{8}$	$\frac{1}{2}$
III	$\frac{5}{7} - \frac{2}{7} =$	$\frac{3}{7}$	$\frac{5}{7}$	$\frac{2}{7}$	$\frac{3}{7}$	$\frac{3}{7}$
IV	$\frac{5}{6} - \frac{1}{6} =$	$\frac{4}{6}$	$\frac{5}{6}$	$\frac{1}{6}$	$\frac{4}{6}$	$\frac{2}{3}$
V	$\frac{3}{5} - \frac{7}{15} =$	$\frac{2}{15}$	$\frac{3}{5}$	$\frac{7}{15}$	$\frac{2}{5}$	$\frac{2}{15}$
VI	$2 - \frac{1}{3} =$	$1\frac{2}{3}$	$1\frac{1}{3}$	$1\frac{2}{3}$	$1\frac{1}{3}$	$1\frac{1}{3}$
VII	$1\frac{1}{2} - \frac{1}{4} =$	$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{1}{4}$	1	$\frac{3}{4}$
VIII	$2\frac{1}{2} - 1\frac{1}{2} =$	1	$2\frac{1}{2}$	$1\frac{1}{2}$	1	$1\frac{1}{2}$
IX	$1\frac{3}{4} - \frac{1}{2} =$	$1\frac{1}{4}$	$1\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$
X	$4\frac{1}{3} - 3\frac{1}{15} =$	$1\frac{4}{15}$	$4\frac{1}{3}$	$3\frac{1}{15}$	$1\frac{1}{3}$	$1\frac{4}{15}$

SUBTRACTION C

സമാധാനം 4 മിനിറ്റുകൾ

			A	B	C	D
I	2.0 - 0.9 =	—	0.1	1.1	2.1	1.9
II	4.9 - 3.0 =	—	0.9	0.1	1.9	1.0
III	4.2 - 3.5 =	—	1.7	0.7	1.8	0.9
IV	6.5 - 4.7 =	—	1.8	2.8	0.8	2.2
V	1.2 - 0.9 =	—	1.8	0.8	0.7	1.7
VI	12.75 - 8.25 =	—	4.50	4.25	5.25	4.75
VII	15.61 - 12.59 =	—	3.25	3.50	3.12	3.02
VIII	2.68 - 0.9 =	—	1.68	2.68	0.68	1.47
IX	2.00 - 0.59 =	—	2.41	0.41	1.41	1.59
X	5.70 - 3.59 =	—	2.11	1.11	0.11	1.89

MULTIPLICATION A

സമാമം 3 മിനിട്ട്

			A	B	C	D
I	$12 \times 12 =$	—	124	134	144	154
II	$20 \times 18 =$	—	418	408	506	426
III	$46 \times 17 =$	—	682	592	782	662
IV	$18 \times 16 =$	—	108	118	183	288
V	$45 \times 20 =$	—	780	800	900	910
VI	$10 \times 25 \times 12 =$	—	1000	2000	3000	4000
VII	$98 \times 36 =$	—	3548	3458	3654	3664
VIII	$29 \times 19 =$	—	541	551	451	154
IX	$19 \times 12 \times 8 =$	—	1824	2422	2242	4222
X	$20 \times 18 \times 16 =$	—	5670	5760	5076	5087

MULTIPLICATION B

സമാമം 4 മിനിട്ട്

			A	B	C	D
I	$\frac{1}{3} \times \frac{6}{5} =$	—	$\frac{2}{5}$	$\frac{2}{5}$	$\frac{1}{3}$	$\frac{1}{3}$
II	$\frac{3}{4} \times \frac{4}{3} =$	—	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{3}$	$\frac{1}{3}$
III	$\frac{5}{6} \times \frac{3}{5} =$	—	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{2}$
IV	$1\frac{1}{2} \times 1\frac{1}{2} =$	—	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{1}{4}$	3
V	$\frac{1}{2} \times \frac{3}{4} \times \frac{1}{2} =$	—	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
VI	$9 \times \frac{1}{36} \times \frac{1}{3} =$	—	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{2}$
VII	$25 \times 7\frac{1}{5} =$	—	175	160	185	190
VIII	$10\frac{1}{4} \times 5\frac{3}{13} =$	—	65	90	95	100
IX	$28 \times \frac{1}{4} \times \frac{2}{7} =$	—	2	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$
X	$2\frac{1}{4} \times \frac{1}{8} \times \frac{3}{4} =$	—	$1\frac{1}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{4}$

MULTIPLICATION C

സമാമം 5 മിനിട്ട്

			A	B	C	D
I	$0.71 \times 10 =$	—	74.0	7.40	0.74	7.04
II	$.01 \times 12 =$	—	0.12	1.2	1.02	1.20
III	$3.15 \times 10 =$	—	3.15	31.50	.315	315.0
IV	$0.82 \times .8 =$	—	6.56	0.656	65.6	656.0
V	$0.12 \times 0.01 =$	—	1.20	.0012	0.012	12.0
VI	$7.009 \times 8 =$	—	0.72	7.20	.072	72.0
VII	$3.2 \times 0.3 =$	—	0.96	9.6	.096	96.0
VIII	$0.075 \times 0.9 =$	—	0.0675	0.675	6.75	67.5
IX	$12.5 \times 1.2 =$	—	14.5	15.0	15.5	15.25
X	$14.01 \times .01 =$	—	1.401	14.01	.1401	140.1

DIVISION A

സമാധാനം 2 മിനിറ്റുകൾ

8

			A	B	C	D
I	$56 \div 7 =$	—	8	7	8	9
II	$65 \div 13 =$	—	5	6	7	8
III	$125 \div 25 =$	—	4	6	6	7
IV	$256 \div 16 =$	—	14	15	16	17
V	$105 \div 15 =$	—	6	7	8	9
VI	$231 \div 11 =$	—	21	22	23	24
VII	$165 \div 15 =$	—	14	11	12	13
VIII	$117 \div 9 =$	—	13	14	15	16
IX	$3560 \div 20 =$	—	178	179	180	181
X	$112 \div 56 =$	—	2	3	4	5

DIVISION B

സമാധാനം 3 മിനിറ്റുകൾ

			A	B	C	D
I	$\frac{1}{2} \div \frac{1}{4} =$	—	1	2	3	4
II	$\frac{1}{3} \div \frac{1}{6} =$	—	2	$\frac{1}{6}$	$1\frac{1}{2}$	$1\frac{1}{3}$
III	$\frac{2}{5} \div \frac{1}{5} =$	—	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{4}{5}$	$\frac{1}{5}$
IV	$1\frac{1}{2} \div 3 =$	—	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
V	$7\frac{1}{2} \div 5 =$	—	$1\frac{1}{5}$	$1\frac{1}{2}$	$1\frac{2}{5}$	$1\frac{1}{2}$
VI	$1 \div 1\frac{1}{2} =$	—	$\frac{1}{2}$	2	$1\frac{1}{2}$	$1\frac{1}{2}$
VII	$4\frac{1}{2} \div 3 =$	—	1	$1\frac{1}{2}$	$1\frac{1}{3}$	$1\frac{1}{2}$
VIII	$5\frac{1}{2} \div 2\frac{1}{2} =$	—	$2\frac{1}{2}$	2	$2\frac{1}{2}$	$2\frac{1}{2}$
IX	$3\frac{1}{2} \div \frac{11}{21} =$	—	$5\frac{1}{2}$	6	$6\frac{1}{2}$	$6\frac{1}{2}$
X	$7\frac{1}{2} \div 2\frac{1}{2} =$	—	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$

DIVISION C

സമാധാനം 4 മിനിറ്റുകൾ

			A	B	C	D
I	$21.6 \div 10 =$	—	0.216	2.16	.0216	216.0
II	$425.7 \div 100 =$	—	425.7	4.257	.4257	.04257
III	$22.5 \div 5 =$	—	45	.45	4.5	.045
IV	$12.06 \div 5 =$	—	2.41	24.1	.241	.0241
V	$9.6 \div 12 =$	—	3.0	0.3	.03	.003
VI	$0.169 \div 13 =$	—	.013	.13	1.3	.0013
VII	$12.1 \div 11 =$	—	1.1	0.11	.011	11.0
VIII	$0.16 \div 0.4 =$	—	4.0	0.4	.04	.004
IX	$2.4 \div 0.6 =$	—	0.4	4.0	.04	.004
X	$0.225 \div 0.15 =$	—	1.5	0.15	15.0	.015

NUMERICAL ABILITY - Score Card

NAME OF PUPIL

SEX

NAME OF SCHOOL

AGE

STANDARD AND DIVISION

OCCUPATION OF PARENT / GUARDIAN

CLASS NUMBER

ADDITION A					ADDITION B					ADDITION C				
	A	B	C	D		A	B	C	D		A	B	C	D
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SUBTRACTION A					SUBTRACTION B					SUBTRACTION C				
	A	B	C	D		A	B	C	D		A	B	C	D
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III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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MULTIPLICATION A					MULTIPLICATION B					MULTIPLICATION C				
	A	B	C	D		A	B	C	D		A	B	C	D
I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	IV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	IV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

DIVISION A					DIVISION B					DIVISION C				
	A	B	C	D		A	B	C	D		A	B	C	D
I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>