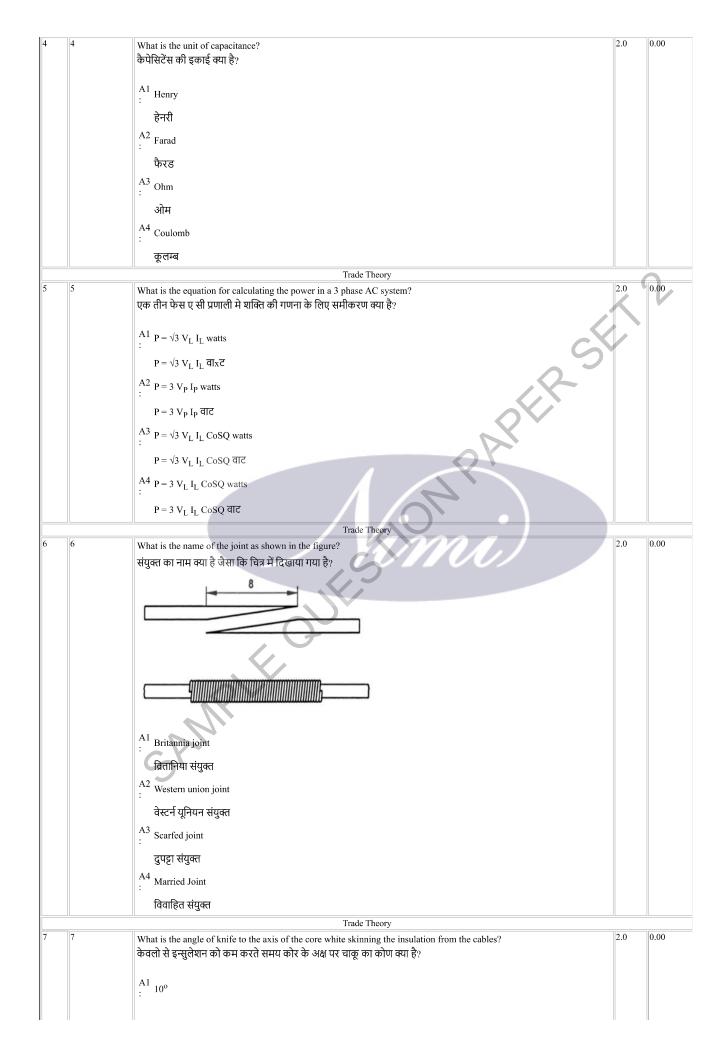
Max Marks: 150

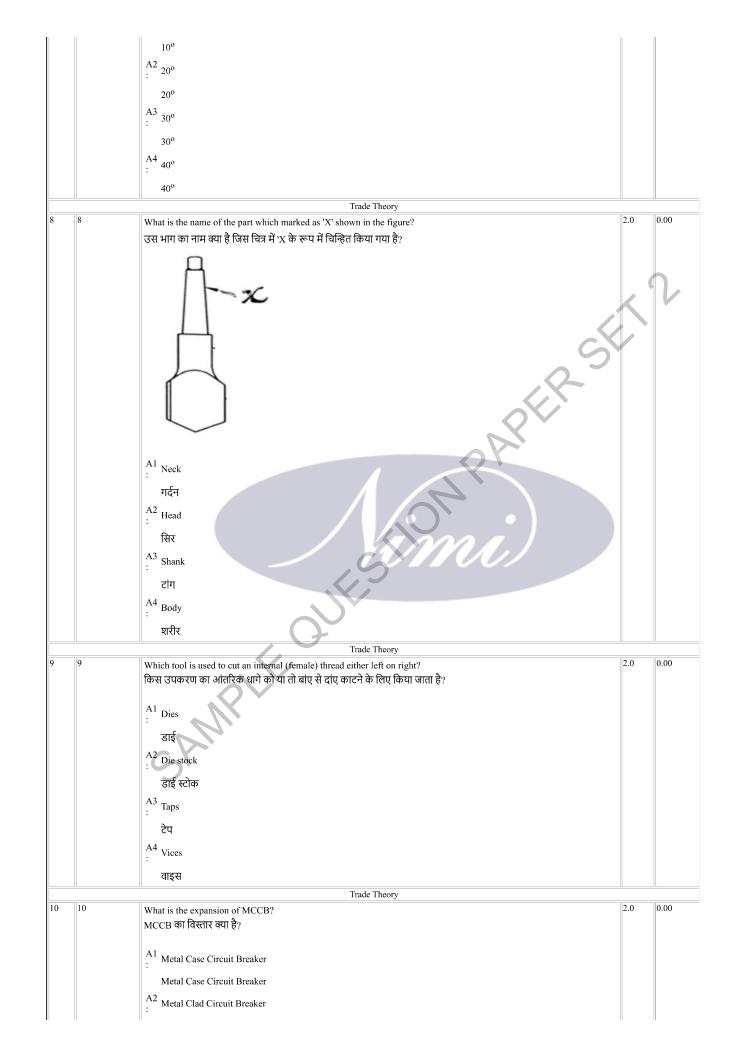
All India Trade Test - 2024 for Crafstmen Training Scheme (CTS) Trade Name: Solar Technician (Electrical) Year 1 Year: 1st Year

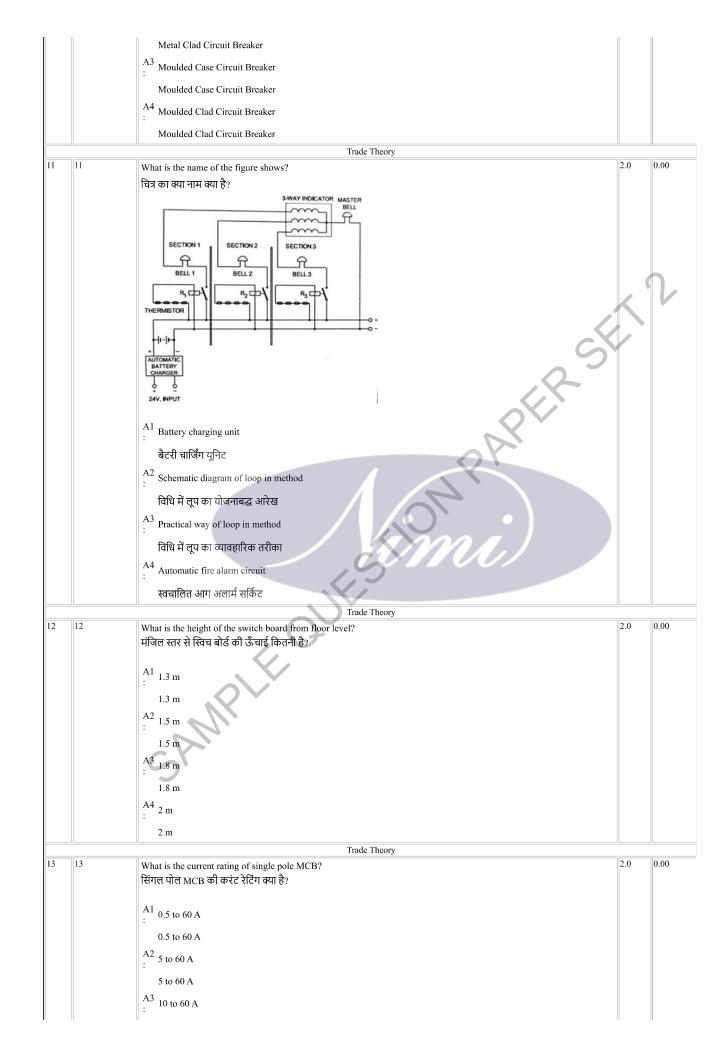
Exam Date : Exam Time :

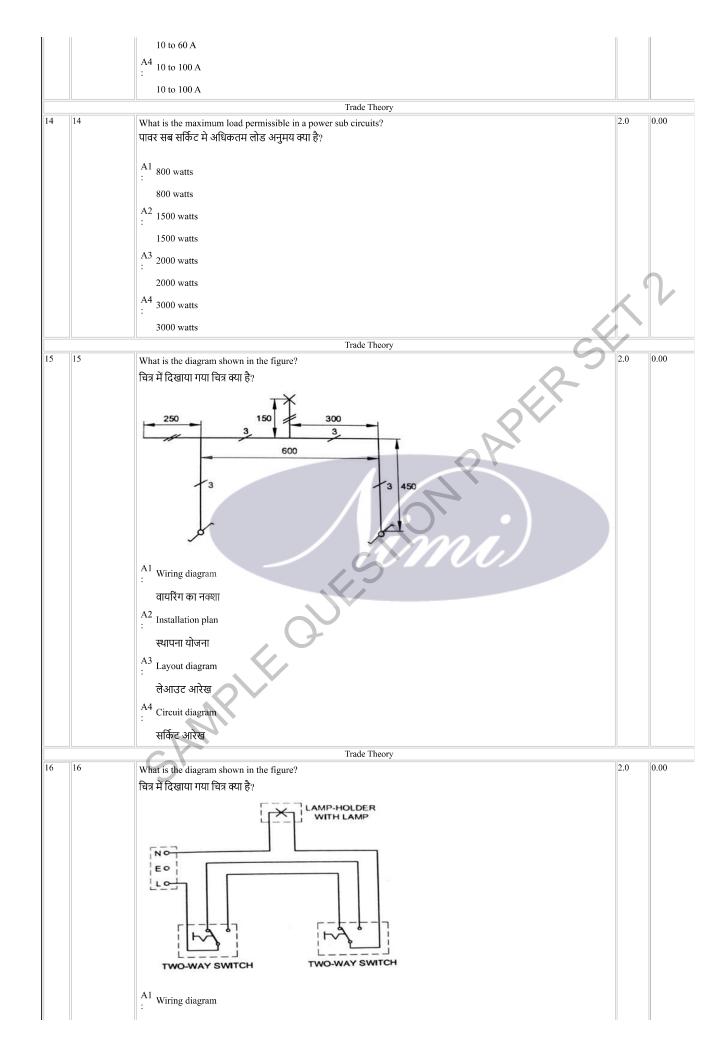
- Note:
 1. Tick the correct option out of four alternatives provided
 2. All questions carry equal marks (2 Marks each)
 3. There is no negative marking

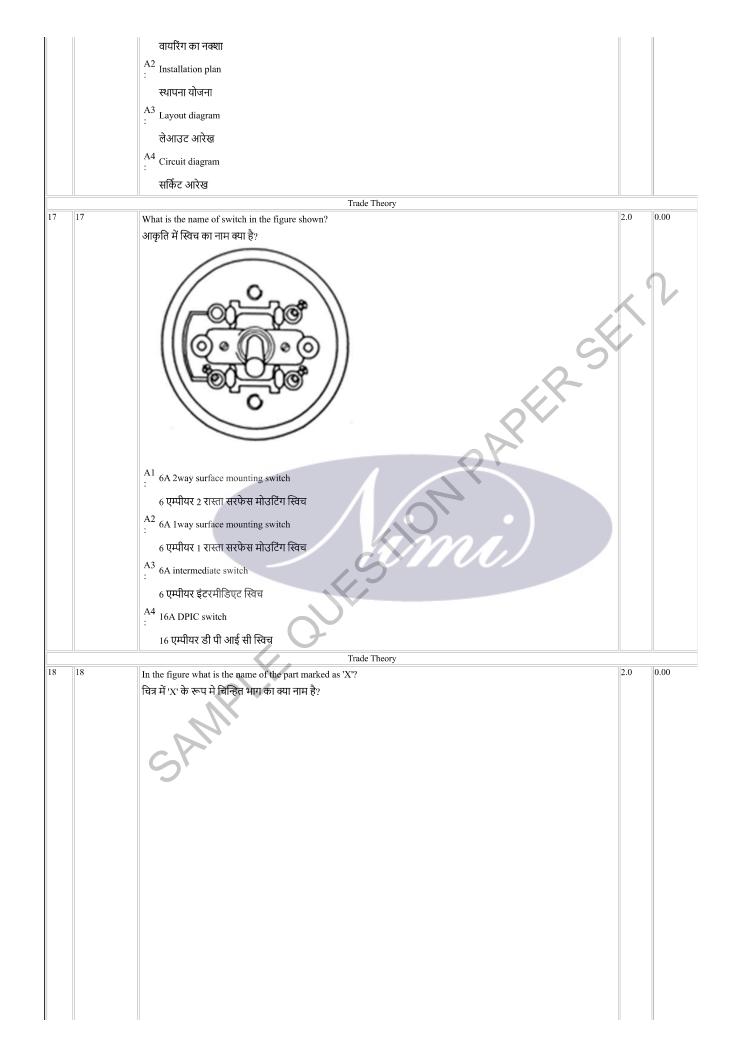
Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negativ Marks
		Trade Theory		<u> </u>
	1	What is the condition for resonance circuits? अनुनाद सर्किट के लिए क्या स्थिति है? A1 XC = R XC = R XC = R XL = XC	2.0	0.00
		$ \begin{array}{c} A4 \text{XC} = 2\pi f_{\text{C}} \\ $		
	2	Trade Theory What is the name of phase to phase voltage?	2.0	0.00
		फेंज से फेंज वोल्टेज का नाम क्या है? A1 Phase voltage		
	3	What is the unit of magneto motive force?	2.0	0.00
		चुंबकत्त्व बल की इकाई क्या है? A1 Tesla : Tesla Tesla A2 Weber per m² Weber per m² A3 Ampere-terms Ampere-terms A4		
		A4 Ampere-terms per m ² Ampere-terms per m ²		

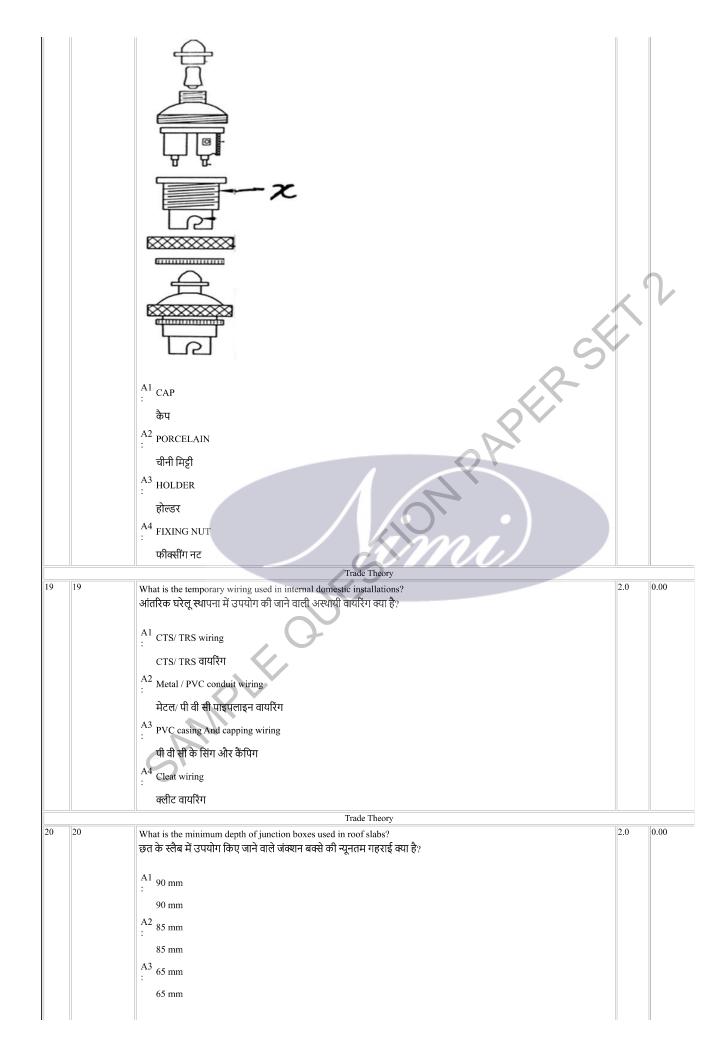






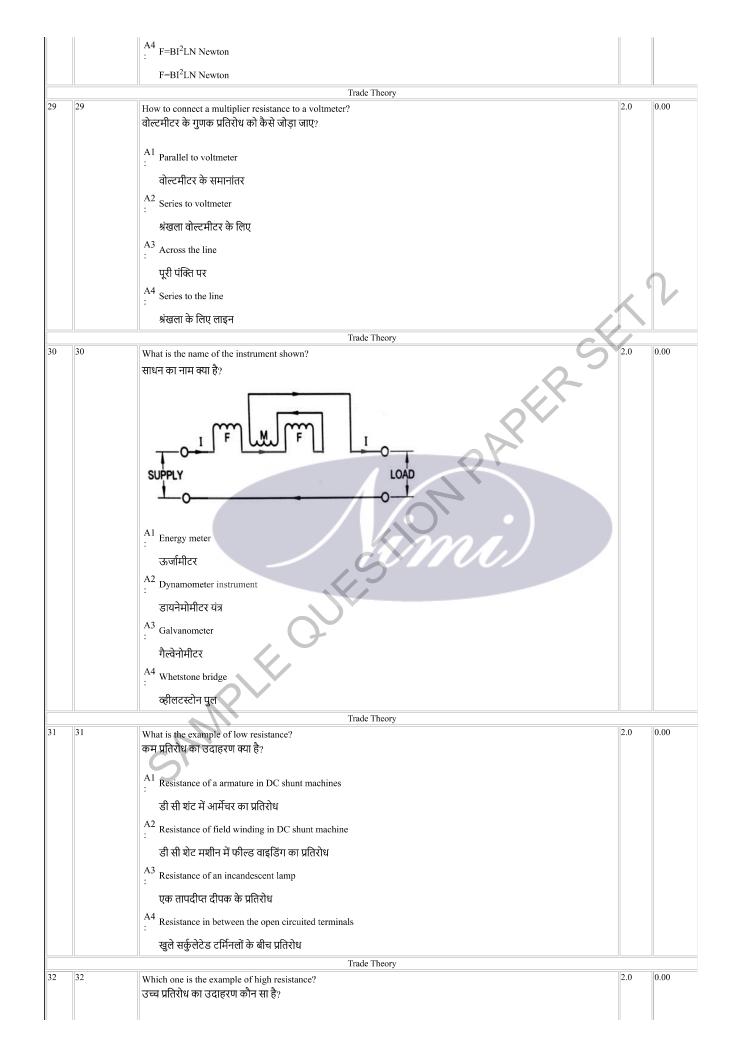






		A4 45 mm		
		45 mm		
		Trade Theory		
21	21	What is the diameter of metal conduits available in commercially? व्यावसायिक रूप से उपलब्ध धातु के संघो का व्यास क्या है?	2.0	0.00
		A1 20 mm to 64 mm		
		20 mm to 64 mm		
		A2 16 mm to 60 mm		
		16 mm to 60 mm		
		A3 12 mm to 64 mm		
		12 mm to 64 mm		
		A4 6 mm to 60 mm		۹,
		6 mm to 60 mm		
2	22	Trade Theory	2.0	0.00
2	22	What is the minimum bending radius of conduits? संघनक का न्यूनतम झुकने त्रिज्या क्या है?	2.0	0.00
		A1 _{5 cm}		
		5 cm		
		A2 7.5 cm		
		7.5 cm		
		A3 10 cm		
		10 cm		
		A4 12.5 cm		
		12.5 cm		
:3	23	Trade Theory	2.0	0.00
3	23	What is the standard value of insulation resistance as per BIS? बी आई एस के अनुसार इन्सुलेशन प्रतिरोध का मानक मृत्य क्या है?	2.0	0.00
		$\stackrel{A1}{:}$ No. of points in the circuit /50! M Ω		
		सर्किट में अंको की संख्या / 50! MΩ		
		A2 50/No. of points in the circuits		
		50/सर्किट में अंको की संख्या		
		A3 1/500 part of the circuit current		
		1/500 पार्टस आफ सर्किट करंट		
		A4 50 ohms :		
		50 ओम		
		Trade Theory		
4	24	According to IE Regulations, what is the resistance of earth continuity conductors in medium voltage domestic installation? 1 E विनियम के अनुसार मध्यम वोल्टेज घरेलू स्थापना में पृथ्वी की निरंतरता कंडक्टरो का प्रतिरोध क्या है?	2.0	0.00
		ा छ ।याग्यम पर जानुत्तार मध्यम पाएटज वरसू स्थापना म पृथ्वा का ।नरतरता कडक्टरा का प्रातराय क्या ह?		
		A1 Should be more than one ohm		
		् एक से अधिक ओम होना चाहिए		
		A2 Should be less than Ten ohm		
		दस ओम से कम होना चाहिए		
		A3 Should not be more than one ohm		
		्र एक ओम से अधिक नहीं होना चाहिए		
		איווד וויוא ואו ידיפווד וויוא ואו ידיפווד וויוא ידי		

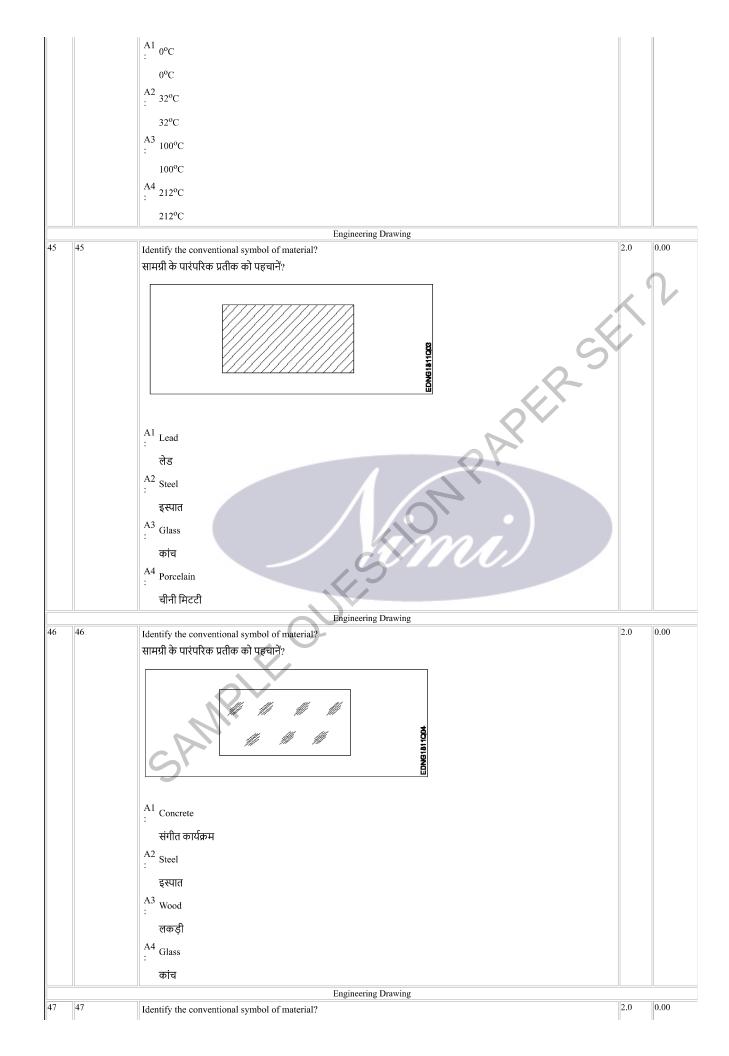
	A4 Should not be less than one mega ohm		
	् एक मेगा ओम से कम नहीं होना चाहिए		
	Trade Theory		
25 25	Reading errors caused by looking at the pointer from an angle what is the error? कोण से बिंदुओं को देखने के कारण पढ़ने में त्रुटि क्या है? Al Device error	2.0	0.00
	A4 Human error		9
	ः गामान्य त्रुटि मानव त्रुटि		
	Trade Theory		
26 26 27 27 27	What is an example for absolute instrument? निरपेक्ष साधन के लिए एक उदाहरण क्या है? A1 Voltmeter	2.0	0.00
	उपकरण को एकीकृत करने के लिए एक उदाहरण क्या है? A1 Voltmeter		
28 28	Trade Theory What is the equation for binding the deflecting force in a PMMC meter? PMMC मीटर मे विक्षेपकारी बल खोजने के लिए समीकरण क्या है? A1 F= BILN Newton F= BILN Newton A2 F= B1 ² L ² N Newton F= B1 ² L ² N Newton A3 F=B ² ILN ² Newton F=B ² ILN ² Newton	2.0	0.00

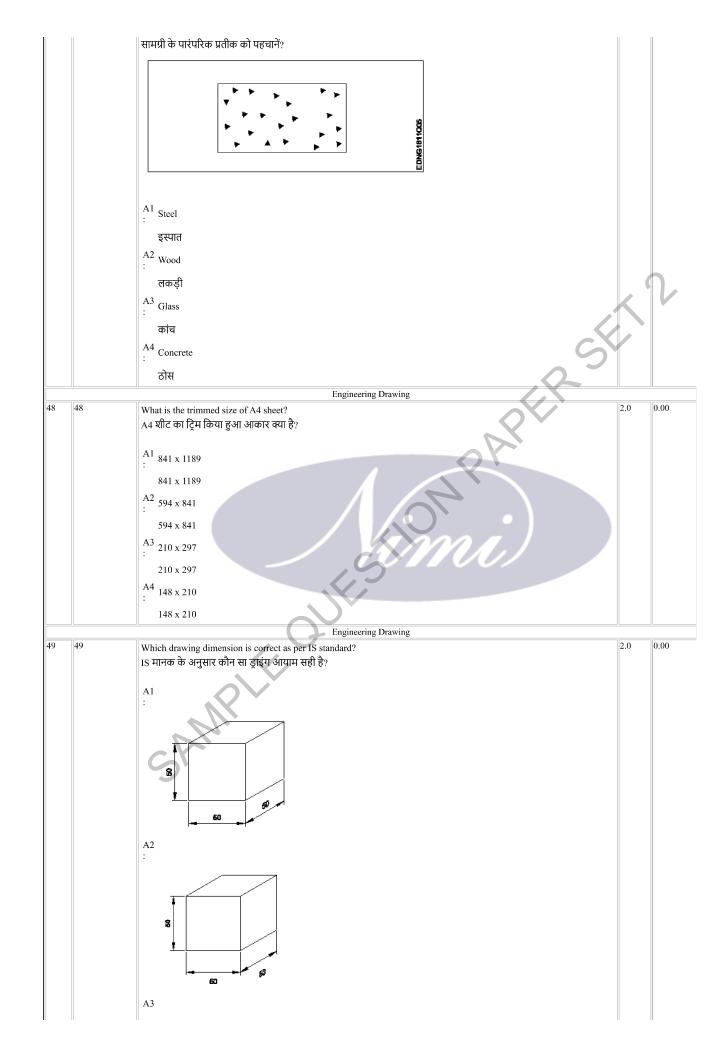


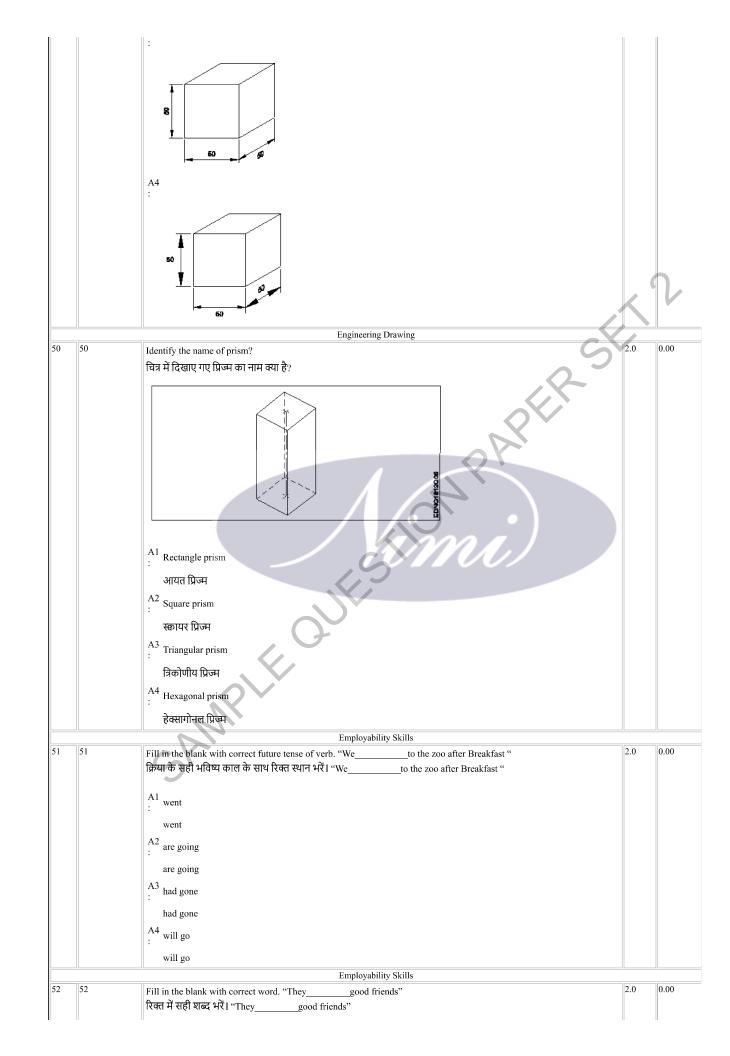
	A4 Resistance of an incandescent lamp
	एक तापदीप्त दीपक के प्रतिरोध
33 33	Trade Theory Which type of instrument is used for the measurement of low resistance value? $2.0 0.0$
	कम प्रतिरोध मूल्य की माप के लिए किस प्रकार के उपकरण का उपयोग किया जाता है?
	A1 Series type ohmmeter
	ः सीरीज टाइप ओममीटर
	A2 Shunt type ohmmeter
	शंट टाइप ओममीटर
	A3 Multirange series type ohmmeter
	ः मल्टीरेन्ज सीरीज टाइप ओममीटर
	A4 Megger
	मेग्गर
	Trade Theory
	शंट प्रतिरोध की गणना के लिए सूत्र क्या है?
	$RSH = IM R_{SH}/I_{SH}$ $A3 R_{SH} = IM R_{M}/I_{SH}$ $R_{SH} = IM R_{M}/I_{SH}$ $A4 = 100 R_{M}/I_{SH}$
	$\stackrel{A4}{:} R_{SH} = IM I_{SH}/R_{SH}$
	$R_{SH} = IM I_{SH}/R_{SH}$ Trade Theory
35 35	Which material is used for the high current shunt of switch board instrument? स्विच बोर्ड उपकरण के उच्च वर्तमान शंट के लिए किस सामर्गी का उपयोग किया जाता है? A1 Magnesium मैगनीज
	A2 Tungsten
	A2 Tungsten : टंगस्टन
	A2 Tungsten ं टंगस्टन A3 Cobalt
	A2 Tungsten ं टंगस्टन A3 Cobalt ं कोबाल्ट
	A2 Tungsten ं टंगस्टन A3 Cobalt

	$\stackrel{A1}{:}$ E _p I _p Cos ϕ	
	E _P I _P Cos φ	
	$\stackrel{A2}{:}$ 2 $E_P I_P Co_S \phi$	
	2 E _P I _P Co _S φ	
	A3 3 E _P I _P Cos ϕ	
	3 E _P I _P Cos φ	
	A4 2 E _L I _P Cos φ	
	$2 E_{L} I_{P} \cos \phi$	
37 37	Trade Theory What is the equation for calculating the power factor of a single phase AC circuit?	2.0
	एकल फेस एसी सर्किट के शक्ति कारक की गणना के लिए समीकरण क्या है?	
	A1 PF = Power/EI	K
	: PF = Power/EI	
	$\begin{array}{c} A2 \\ : \\ PF = EI/Power \end{array}$	
	: PF = EI/Power	
	$A3 : PF = E^2 I / Power$	
	$PF = E^2 I / Power$	
	$A4 PF = EI^2/Power$	
	$PF = EI^2/Power$	
38 38	Trade Theory What is the other name of KWH meter?	2.0
	KWH मीटर का दूसरा नाम क्या है? Al Power factor meter : पावरफेक्टर मीटर	
	A2 Watt meter	
	ं वॉटमीटर	
	A3 Energy meter:	
	ऊर्जा मीटर	
	A4 Multimeter	
	मल्टीमीट्र	
39 39	Workshop Calculation Science	2.0
39 39	Which one is non-metal? इनमे से अधातु कौन सी है?	2.0
	Al	
	A1 Mercury	
	परा	
	A2 Graphite:	
	प्रेफाइट A3 p	
	A3 Brass:	
	पीतल	
	A4 .	
	A ⁴ Iron : लोहा	

		Al Brass metal	
		ः पीतल धातु	
		A2 Bronze metal	
		'	
		ब्रोंज धातु	
		A3 Zinc	
		ज़िंक	
		A4 Ferrous metal	
		लोह धातु	
41	41	Workshop Calculation Science	2.0
41	41	What is the S.I unit of heat? ऊष्मा की एस.आई. इकाई क्या है?	2.0
		A1 Calorie	
		Calorie	
		A2 Joule	
		Joule	
		A3 Centigrade heat unit	
		Centigrade heat unit	
		A4 British thermal unit	
		: British thermal unit	
		Workshop Calculation Science	
		A1 4 4 A2 3	,
		3 A3 2 2 A4 1 1	
		Workshop Calculation Science	
43	43	Which one is the radiation method of heat transmission?	2.0
		ऊष्मा संचरण की रेडियेशन विधि कौन-सी है?	
		A1 An iron rod is heated with one of its end and heat transmitted to other end	
		ः एक लोहे की रॉड को उसके एक सिरे से गर्म किया जाता है और दूसरे सिरे तक ऊष्मा का संचार किया जाता है	
		A2 Cold water goes to the bottom from top while on heating the water	
		: पानी गर्म करने पर ठण्डा पानी ऊपर से नीचे की ओर आता है	
		A3 On besting group best transmitted to group Vision	
		A3 On heating gases, heat transmitted to surroundings:	
		गैसों को गर्म करने पर, ऊष्मा का संचार वातावरण में होता है	
		गैसों को गर्म करने पर, ऊष्पा का संचार वातावरण में होता है A4 The heat from sun travels through the space :	
		गैसों को गर्म करने पर, ऊष्मा का संचार वातावरण में होता है A4 The heat from sun travels through the space : सूर्य से ऊष्मा अंतरिक्ष के माध्यम से यात्रा करती है	
44	44	गैसों को गर्म करने पर, ऊष्पा का संचार वातावरण में होता है A4 The heat from sun travels through the space :	2.0







	A1 is		
	is		
	42		
	A2 am		
	am		
	A3 are		
	are		
	A4 was		
	was		
	Employability Skills		
3 53	Fill in the blank with present progressive tense of the verb. "The train through the tunnel" क्रिया के वर्तमान प्रगतिशील काल के साथ रिक्त स्थान भरें। "The train through the tunnel"	2.0	0.00
	A1 : passed		1
	passed		
	A2 is passing	- <	
		2	
	is passing A3 , , ,		
	A3 had passed		
	had passed		
	A4 was passing		
	was passing		
4 54	Employability Skills Fill in the blank with proper interrogative adjective are you going?	2.0	0.00
	A1 Who Who A2 Where Where Which Which A4 What What		
	What Employed iller Chille		
5 55	Employability Skills Fill in the blank with proper pronoun. "I made this cake" रिक्त स्थान में उचित सर्वनाम के साथ भरें। "I made this cake"	2.0	0.00
	ारफा स्थान म ठावृत संथनाम क साथ भर I "I made this cake"		
	Al myself		
	myself		
	A2 yourself		
	yourself		
	A3 himself		
	himself A4		
	A4 itself		
	itself		
	Employability Skills Fill in the blank with proper pronoun. "She made this cake"	2.0	0.00
6 56	1. In the ordine with proper pronount. One induce this cake		
6 56	रिक्त स्थान में उचित सर्वनाम के साथ भरें। "She made this cake"		

		A1 itself		
		itself		
		A2 myself		
		i inyoon		
		myself		
		A3 herself:		
		herself		
		A4 himself		
		himself		
		Employability Skills		
57	57	Fill in the blank with proper reflexive pronoun. "She has hurt" रिक्त स्थान में उचित प्रतिवर्ती सर्वनाम के साथ भरें। "She has hurt"	2.0	0.00
		A1 myself		1
		myself		
		A2 herself		
		herself)	
		A3 himself		
		himself		
		A4 itself		
		itself		
		Employability Skills		
58	58	Fill in the blank with suitable adjective for the given sentence "The little girl's eyes revealed her mischief" दिए गए वाक्य के लिए उपयुक्त विशेषण के साथ रिक्त स्थान भरें "The little girl's eyes revealed her mischief"	2.0	0.00
		A1 chubby		
		chubby		
		A2 weak		
		weak		
		A3 short sighted		
		short sighted		
		A4 twinkling		
		twinkling Employability Skills		
59	59	Fill in the blank with suitable place preposition. "My house isthe third floor"	2.0	0.00
		उपयुक्त स्थान पूर्वसर्ग के साथ रिक्त स्थान भरें। "My house isthe third floor"		
		Af		
		: Af at		
		at		
		A2 in		
		in		
		A3 on		
		·		
		On A4		
		A4 under:		
		under		
60	60	Employability Skills	2.0	0.00
00	00	Fill in the correct question word. "is the speaker at the function?" सही प्रश्न शब्द भरें। "is the speaker at the function?"	2.0	0.00
		A1 What		

		What		
		A2 When		
		When		
		A3 Why		
		Why		
		A ⁴ Who		
		Who		
		Employability Skills		
61	61	Low level language is also called निम्न स्तर की भाषा को भी कहा जाता है	2.0	0.00
		ान्न सार का नावा का — ना कहा जाता ह		
		A1 source code		
		ः सोर्स कोड		
			, '	
		A2 middle ware		
		मध्यस्थ		
		A3 machine language		
		मशीन भाषा		
		A4 assembly language		
		असेंबली भाषा		
2	62	Employability Skills	2.0	0.00
2	62	Pronunciation refers to उच्चारण को संदर्भित करता है	2.0	0.00
		o salvei salvei a valle		
		A1 diphthong		
		. संयुक्त स्वर		
		A2 consonant		
		व्यंजन		
		A3 punctuation		
		विराम चिह्न		
		A4 production of sound		
		ध्वनि का उत्पादन		
53	63	Employability Skills	2.0	0.00
)3	03	Re-arrange the following set of words into meaningful sentence. "teacher / school / worked / she / a / as" शब्दों के निम्नलिखित सेट को सार्थक वाक्य में फिर से व्यवस्थित करें। "teacher / school / worked / she / a / as"	2.0	0.00
		and the first terminal		
		A1 School worked as a she teacher		
		School worked as a she teacher		
		A2 She worked as a school teacher		
		She worked as a school teacher		
		A3 She teacher worked as a school		
		She teacher worked as a school		
		A4 Worked she as a school teacher		
		Worked she as a school teacher		
		Employability Skills		
			2.0	0.00
54	64	Rise and fall of pitch of voice is called	2.0	
54	64	Rise and fall of pitch of voice is called आवाज की पिच का उठना और गिरना कहलाता है	2.0	
54	64	आवाज की पिच का उठना और गिरना कहलाता है	2.0	
54	64		2.0	

	स्वर		
	A2 intonation		
	·		
	अवाज़ का उतार-चढ़ाव A3		
	: Consonant		
	व्यंजन		
	A4 pronunciation		
	उच्चारण		
	Employability Skills		
65 65	The word that expresses a sudden and strong feeling is called वह शब्द जो अचानक और मजबूत भावना व्यक्त करता है उसे कहा जाता है	2.0	0.00
	A1 punctuation		
	विराम चिह्न		1)
	A2 interjection		
	विस्मयादिबोधक		
	: Conjunction	"	
	संयोजन के रूप		
	A4 apostrophe		
	एपोसट्राफी		
	Employability Skills When you greet higher official's such as Teacher, Instructor or Supervisor, you should use	2.0	
	चाहिए A1 Good morning गुड मॉर्निंग A2 Hello हैलो A3 Hey हेय A4 Hi हाई Employability Skills		
67 67	Which is a silent letter in the word "ANSWER"?	2.0	0.00
	"ANSWER" शब्द में कौन सा मूक अक्षर है? A1 R : R A2 E : E A3 S : S		
	A4 W		

		A1		
		A1 Loose your temper		
		अपना आपा खोएं		
		A2 Listen to others		
		दूसरों की सुनें		
		A3 Talk about irrelevant details		
		अप्रासंगिक विवरण के बारे में बात करें		
		A4 Lise impolite or rude language		
		ः अभद्र या अशिष्ट भाषा का उपयोग करें		
		Employability Skills		
69	69	Which one is a "Don't" of discussion etiquette? चर्चा शिष्टाचार का "Don't" हैं?	2.0	0.00
		A1 Be open minded:		11
		दिमाग खुला रखना		
		A2 Use moderate tone		
		मध्यम स्वर का प्रयोग करें		
		A3 Listen to others		
		ू दूसरों की सुनें		
		A4 Argue unnecessary		
		ः अनावश्यक बहस करें		
		Employability Skills		
		Which one is a brain of computer? कंप्यूटर का मस्तिष्क कौन सा है? Al Keyboard कीबोर्ड A2 CPU	2.0	
		सी पी यू		
		A3 Monitor		
		मॉनिटर		
		A4 Hard disk		
		हार्ड डिस्क		
71	71	Employability Skills Which one is a cardinal number?	2.0	0.00
		कार्डिनल नंबर कौन सा है? A1 10		
		10 A2 _V		
		V A3		
		A3 VII		
		VII A4		
		A4 XI		
		XI Employability Skills		
72	72	Which one is a cardinal number?	2.0	0.00
		कार्डिनल नंबर कौन सा है?		

		Al One		
		: One		
		एक		
		A2 Fifth		
		पांचवां		
		A3 Eighth		
		आठवाँ		
		A4 Second		
		दूसरा		
		Employability Skills		
73	73	Which one is an exclamatory sentence?	2.0	0.00
		कौन सा विस्मयादिबोधक वाक्य है?		
		A1 What a beautiful house it is!	, (
		What a beautiful house it is!		
		A2 It is a beautiful house.		
		It is a beautiful house.		
		A3 Is it a beautiful house?		
		Is it a beautiful house?		
		A4 : Your house is beautiful.		
		Your house is beautiful.		
		Employability Skills		
74	74	Which one is in active voice?	2.0	0.00
		सक्रिय आवाज में कौन सा है?		
		A1 Ram has passed the exam.		
		Ram has passed the exam.		
		A2 The ball was caught by him.		
		The ball was caught by him.		
		A3 : The book was being read by her.		
		: The book was being read by her.		
		A4 We were driven home by dad. We were driven home by dad.		
		we were driven nome by dad. Employability Skills		
75	75	Which one is in passive voice?	2.0	0.00
		निष्क्रिय आवाज में कौन सा है?		
		A1 Mohan is painting a house.		
		: Mohan is painting a house.		
		A2 She was reading a book.		
		sile was reading a book.		
		She was reading a book. A3 Her birthday was celebrated by us.		
		Her birthday was celebrated by us.		
		A4 I have seen that movie.		
		I have seen that movie.		

Solar Technician (Electrical) -1 year (Eng) SET 2

	iricai) - i year (Eng) SE i Z
Question Number	Correct Alternative position
1	A2
2	A2
3	A3
4	A2
5	A3
6	A3
7	A2
8	A3
9	A3
10	A3
11	A4
12	A1
13	A1
14	A4
15	A3
16	A1
17	A1
18	A3
19	A4
20	A3
21	A1
22	A2
23	A2
24	A3
25	A4
26	A3
27	A2
28	A1
29	A2
30	A2
31	A1
32	A3
33	A2
34	A3
35	A1
36	A3
37	A1
38	A3
39	A2
40	A4
41	A2
42	A4
43	A4
44	A3
45	A3 A2
4 0	<i>\</i> ∠

46	A4
47	A4
48	A3
49	A1
50	A2
51	A4
52	A3
53	A2
54	A2
55	A1
56	A3
57	A2
58	A4
59	A3
60	A4
61	A3
62	A4
63	A2
64	A2
65	A2
66	A1
67	A4
68	A2
69	A4
70	A2
71	A1
72	A1
73	A1
74	A1
75	A3