SSC JE ME 2019 Held on 11th Dec 2020

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Saction	Conoral	Intelligence	and	Pascanina
Section	General	Illicingence	allu	Reasoning

Q.1 Find the difference between the sum of prime digits and the sum of composite digits in the number 397801.

Ans

X 4. 6

Question ID: 6549785019

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.2 A, B, C, D, E and F are sitting around a circular table facing the centre. A is sitting second to the right of D, who is third to the left of B. If C is NOT sitting with D, then who is sitting between E and F?

Ans

X 1. A

Question ID: 6549785008 Status: Not Answered

Chosen Option: --

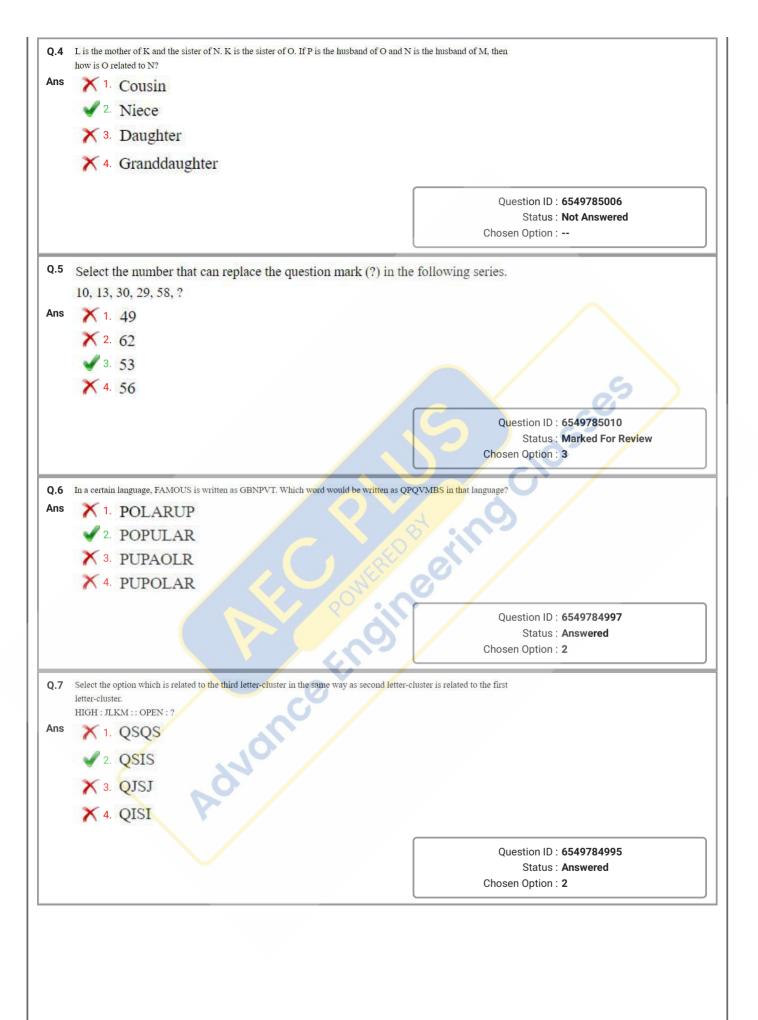
Q.3 चार शब्द युग्म दिए गए हैं, जिनमें से तीन किसी तरह से संगत हैं और एक असंगत है। उस असंगत शब्द युग्म का

Ans

★ 1. जूते - चमड़ा
 ✓ 2. इस्टर - चाक
 ★ 3. कमीज़ - कपड़ा
 ★ 4. गिलास - कांच

Question ID: 6549784992

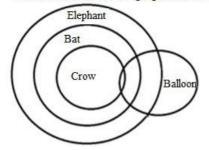
Status: Answered



Q.8	Select the option in which the numbers are related in the same way as a (13, 61, 17)	re the numbers in the given set.
Ans	★ 1. (39, 57, 92)	
	× 2. (87, 67, 1)	
	✓ 3. (101, 53, 31)	
	× 4. (98, 35, 63)	
		Question ID : 6549785016
		Status : Answered
		Chosen Option : 3
Q.9	तुषार की ओर इशारा करते हुए, सुधा ने कहा, "उसकी माँ मेरी माँ की इकलौती बेरे है?	ो है"। मुधा का तुषार से क्या संबंध
Ans	× 1. दादी	
	अ. बहन अ	
	√ 4. a ĭ	
	5 PH	65
		Question ID : 6549785005 Status : Answered
		Chosen Option : 4
Q.10	Select the option in which the given figure is embedded. (I	Rotation is NOT allowed)
		e etili
Ans	X 1.	Sine
	X 1. X 2. X 3.	
	X 3.	
	✓ 4.	
I		
		Question ID : 6549785023 Status : Answered Chosen Option : 4

Q.11 उस विकल्प का चयन करें, जिसकी संख्याओं का आपस में वहीं संबंध है, जो दिए गए संख्या-यूग्म की संख्याओं के बीच है। 345 : 115 X 1. 161 : 23 X 2. 68 : 17 X 3. 450 : 45 √ 4. 225 : 75 Ouestion ID: 6549785012 Status: Answered Chosen Option: 4 Q.12 Select the option that is related to the third term in the same way as the second term is related to the first term. Flowers: Bouquet:: Camel:? Ans X 1. Swarm 2. Caravan X 3. Herd X 4. Crowd Question ID: 6549784988 Status: Answered Chosen Option: 2 Q.13 After walking 2 km, I turned right and walked 2 km, then turned left and covered a distance of 3 km. In the end I was moving towards the East. In which direction did I start my journey? Ans X 1. West X 2. South X 3. North 4. East Question ID: 6549785003 Status: Answered Chosen Option: 4 Q.14 आज जॉन का जन्मदिन है। एक वर्ष के बाद वह 8 वर्ष पहले की आयु से दोगुनी आयु का हो जाएगा। आज जॉन की आय् कितनी है? Ans X 1. 21 वर्ष **√** 2. 17 aर्ष X 3. 12 वर्ष × 4. 0 as Question ID: 6549785017 Status: Answered Chosen Option: 2

Q.15 Which of the following options is correct based on the given Venn diagram?

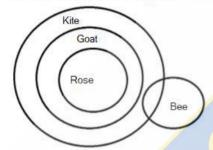


- Ans X 1. Not a single Crow is Balloon
 - X 2. Some Bats are not Elephants
 - ✓ 3. All Crows are Bats
 - X 4. Each Balloon is a Crow

Question ID: 6549785028 Status: Answered

Chosen Option: 3

Q.16 Which of the following options is correct based on the given Venn diagram?



- Ans V 1. Some Kites are Roses
 - X 2. Roses are Bees
 - X 3. No Bee is a Kite
 - X 4. Some Bees are Goats

Question ID: 6549785027 Status: Answered

Chosen Option: 1

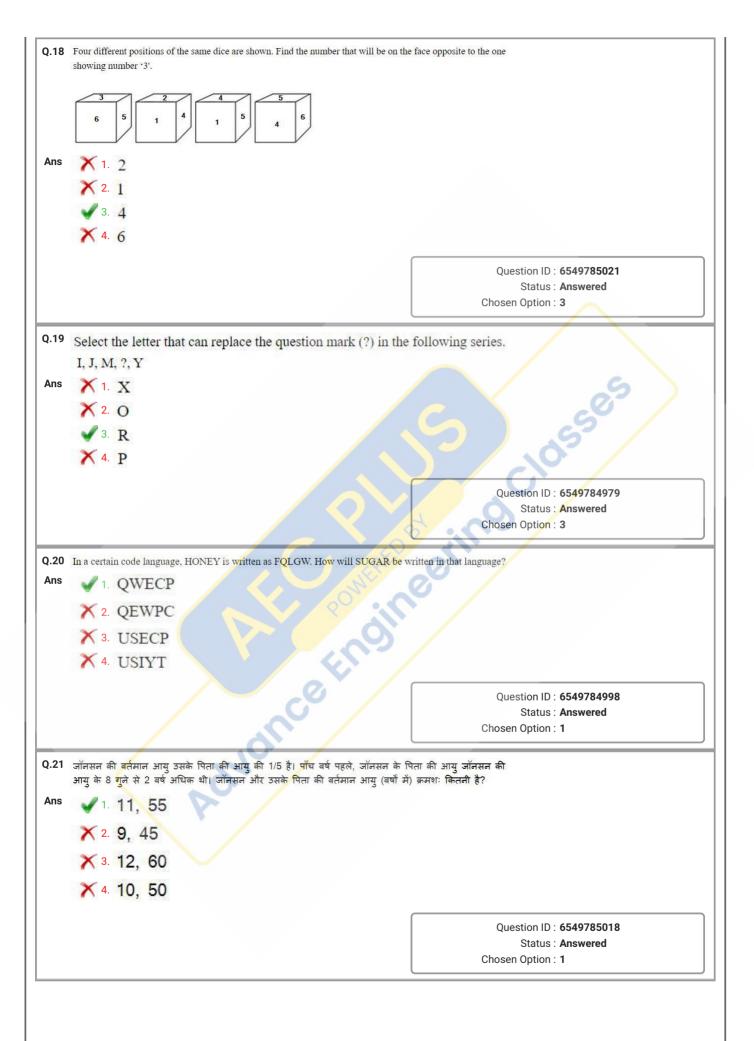
Q.17 Four girls are sitting in a circle and facing towards the centre. Kirti is sitting to the right of Suhani but she is NOT just to the left of Vatshala. Anushka is sitting between Kirti and Vatshala. Who is sitting to the right of Vatshala?

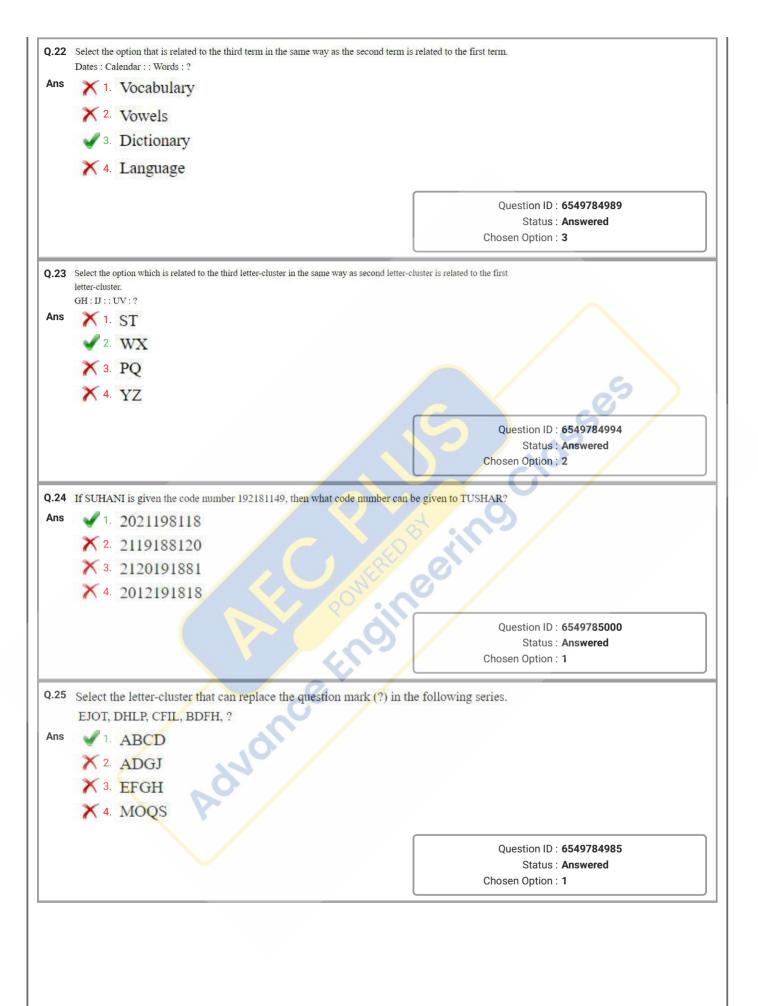
Ans

- X 1. Vatshala
- 2. Suhani
- X 3. Kirti
- X 4. Anushka

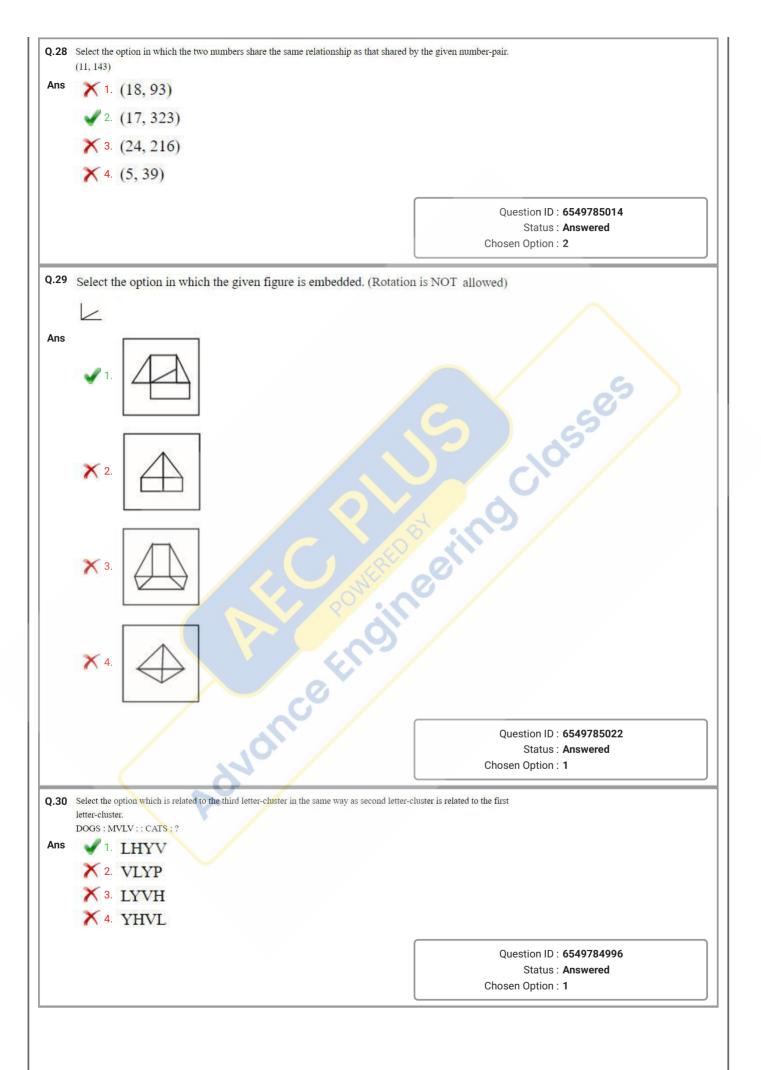
Question ID: 6549785007

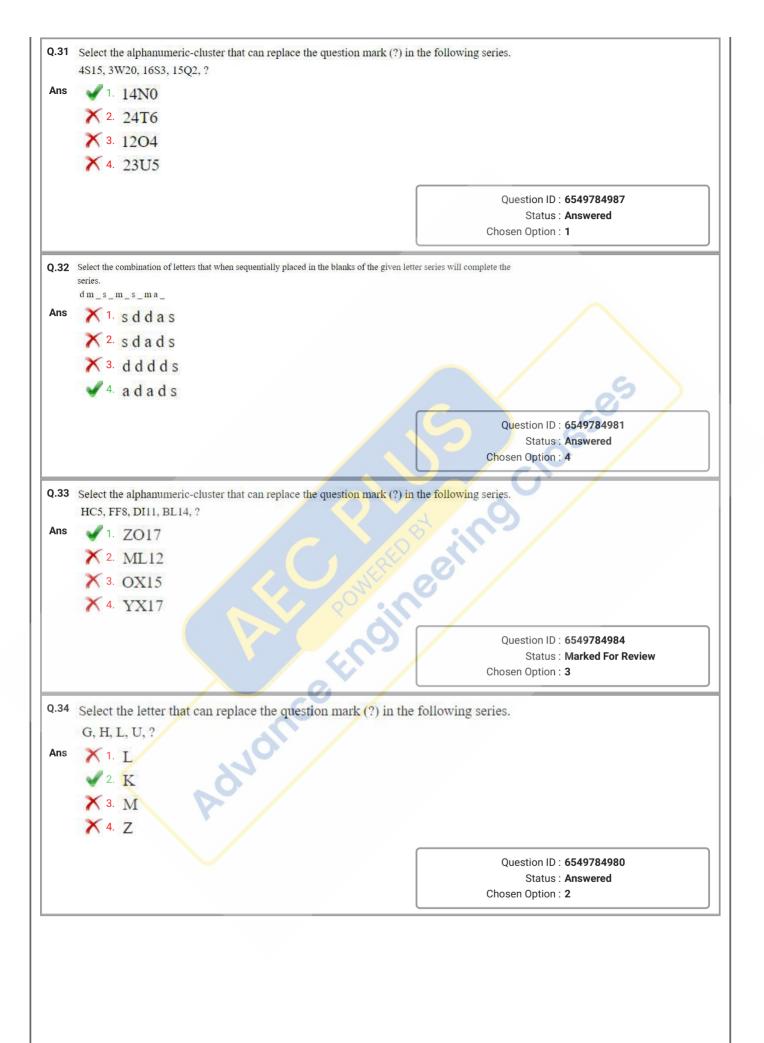
Status: Answered

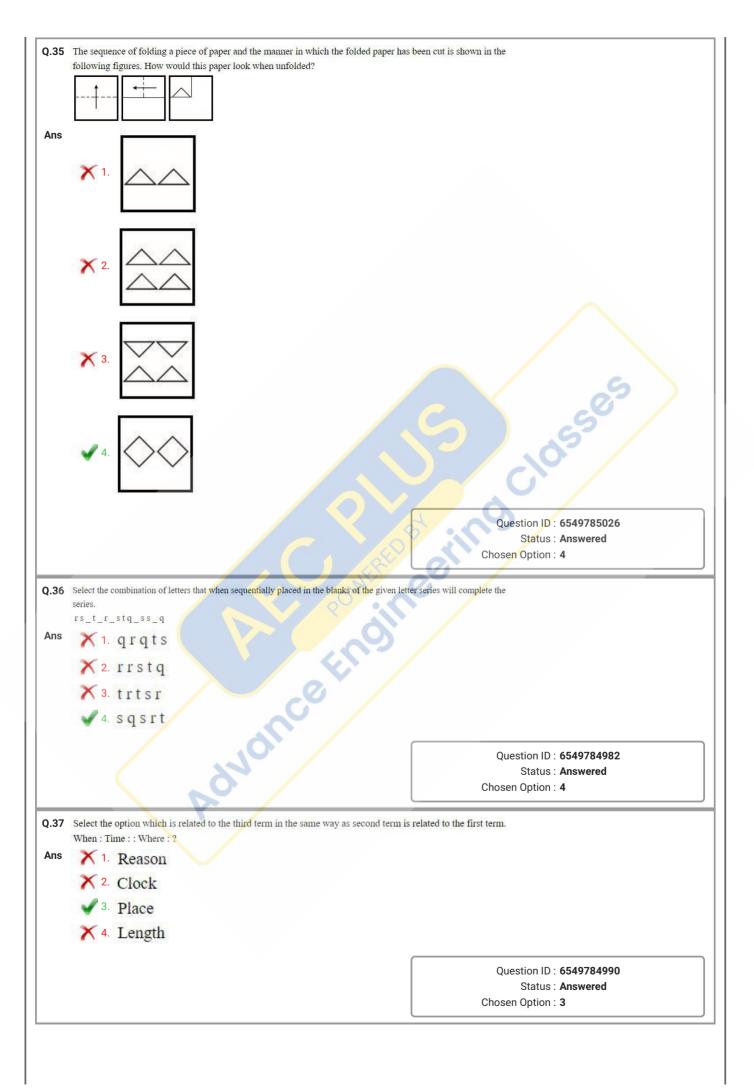




Q.26 दिए गए कथनों और निष्कर्षों को ध्यान से पढ़ें। यह मानते हुए कि कथनों में दी गई जानकारी सही है, भले ही वह आम तौर पर स्थापित तथ्यों से भिन्न दिखाई देती है, तय कीजिए कि कौन सा/से निष्कर्ष तर्कसंगत रूप से इन कथनों का अनुसरण करता/करते है/हैं। 1. ग़रीबी, मनुष्य को परिश्रमी बनाती है। 2. परिश्रमी ट्यक्ति गरीब नहीं होते हैं। परिश्रमी होने के लिए व्यक्ति को ग़रीब होना चाहिए। II. परिश्रम, ग़रीबी हटाने में सहायता करता है। Ans √ 1. केवल निष्कर्ष II अन्सरण करता है 🔀 2. निष्कर्ष । और ॥ दोनों ही अनुसरण करते हैं 🔀 3. केवल निष्कर्ष । अनुसरण करता है 🔀 4. निष्कर्ष । और ॥ दोनों ही अनुसरण नहीं करते हैं Question ID: 6549785001 Status: Answered Chosen Option: 1 Q.27 Which option figure is NOT embedded in the given figure, if rotation is not allowed? Ans dince Engil Question ID: 6549785024 Status: Answered



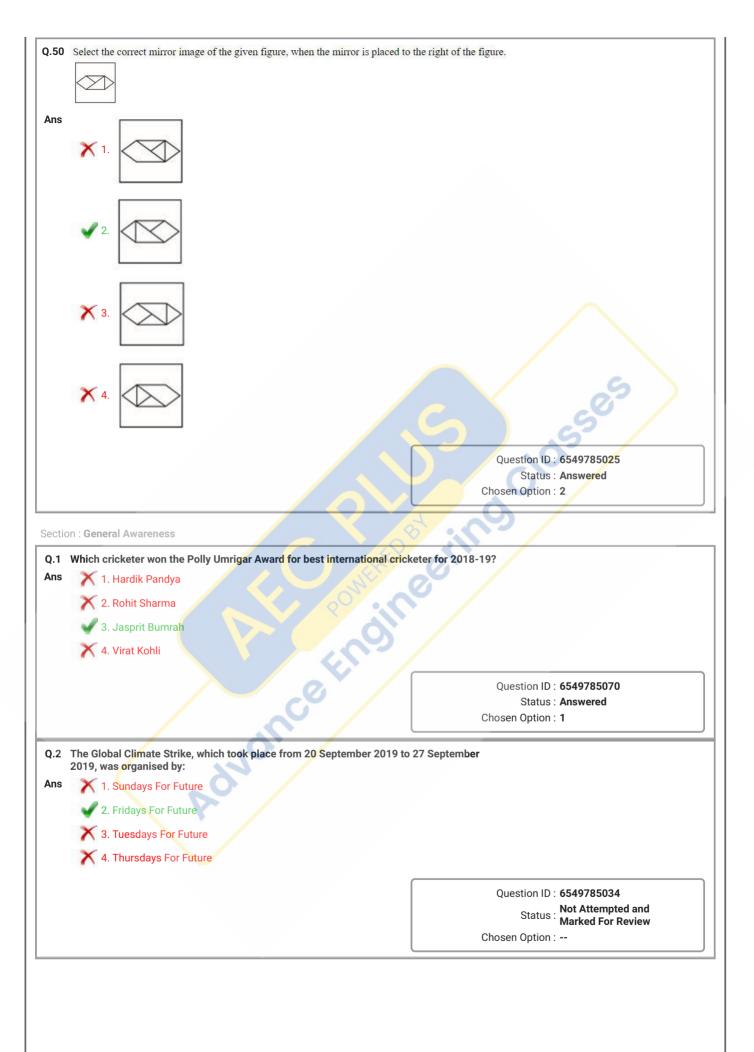


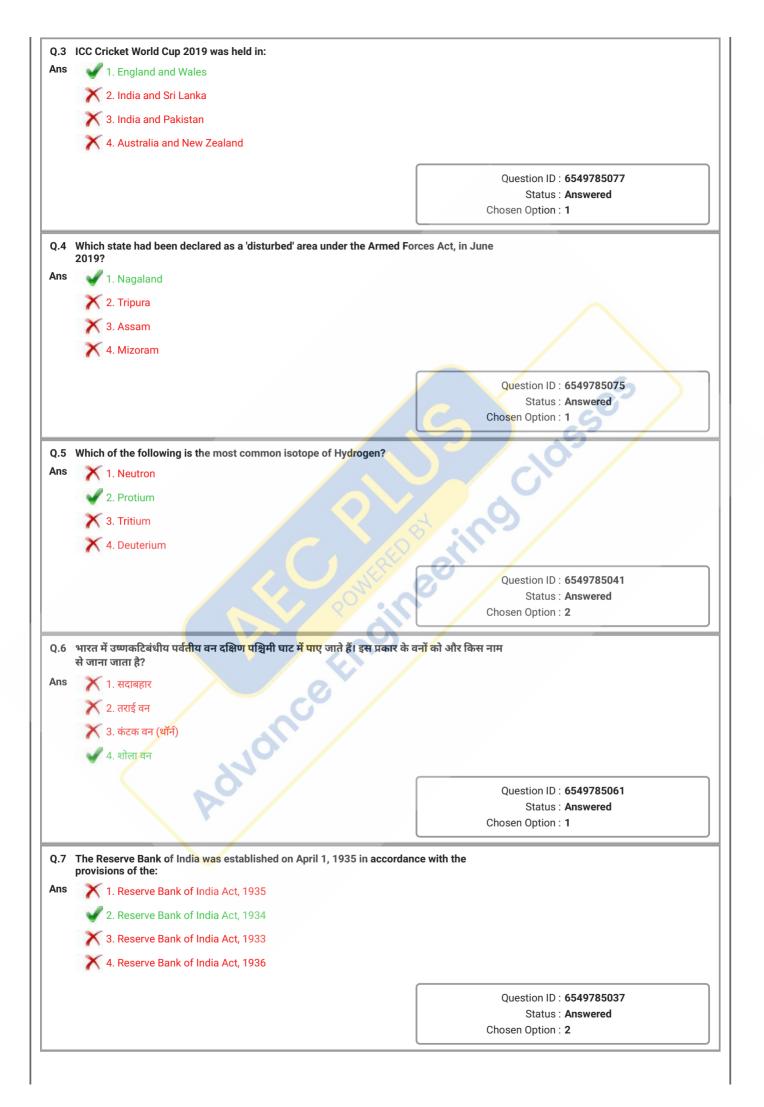


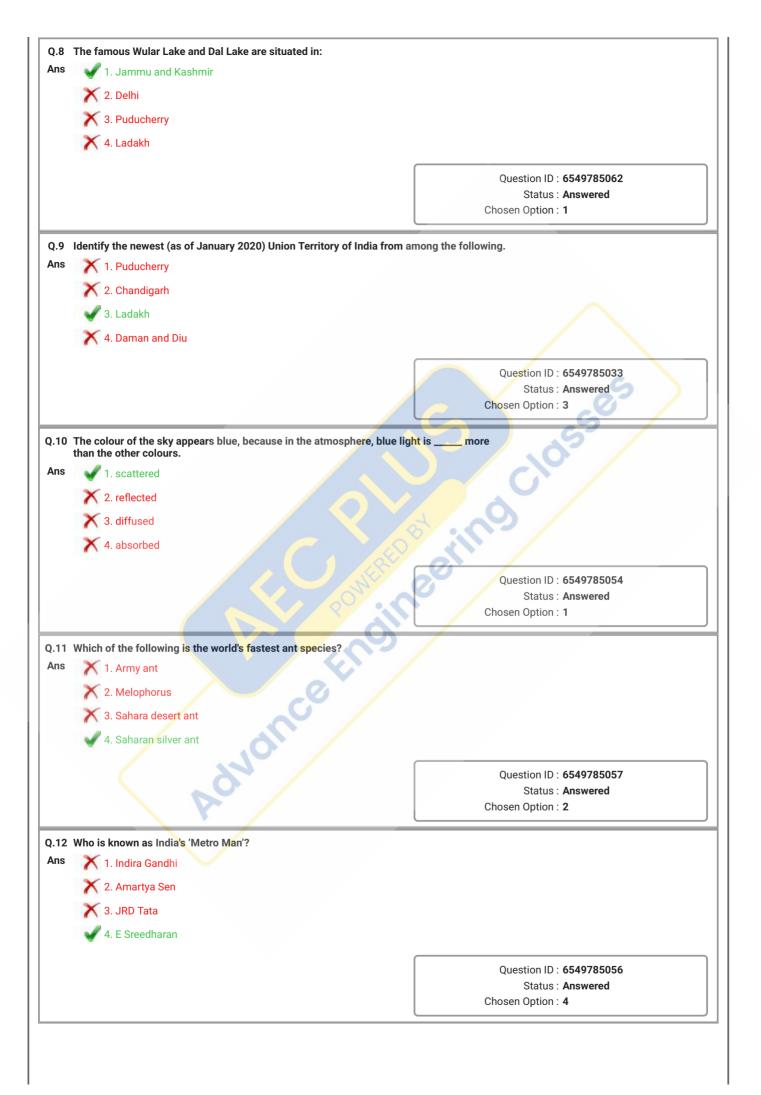
	X 1. BX 2. OX 3. A✓ 4. K	
	X 3. A	
	X 3. A	
	Y K	
		Question ID: 6549784986
		Status : Answered
		Chosen Option : 1
2.39 Se	elect the option that is related to the third number in the same way as the second number	ber is related to the first number.
	9:85::21:?	
	× 1. 85	
	× 2. 98	
	√ 3. 95	
	× 4. 104	
		5
		Question ID : 6549785013
		Status : Answered Chosen Option : 3
		olioscii option.
).40 ਜ਼	ार शब्द-युग्म दिए गए हैं, जिनमें से तीन किसी तरह से संगत हैं <mark>और एक असंगत</mark> यन करें।	है। उस असंगत शब्द-युग्म का
	🗡 1. ऊंचा - नीचा	
		200
	√ 2. यहां - कहां	
	🗙 ३. ऊपर - नीचे	· O
	★ 4. あみ - 3	
		Question ID : 6549784991
		Status : Answered Chosen Option : 2
		Chosen option. 2
.41 S	Select the number that can replace the question mark (?) in	the following series.
7	7, 65, 215, 513, 999, ? 1. 1456 2. 1702	
Ans	X 1. 1456	
	× 2. 1702	
	√ 3. 1729	
	X 4. 1251	
	4. 1251	
		Question ID : 6549785011
		Status : Not Attempted and Marked For Review
		Chosen Option :
		Giloseii Optioli

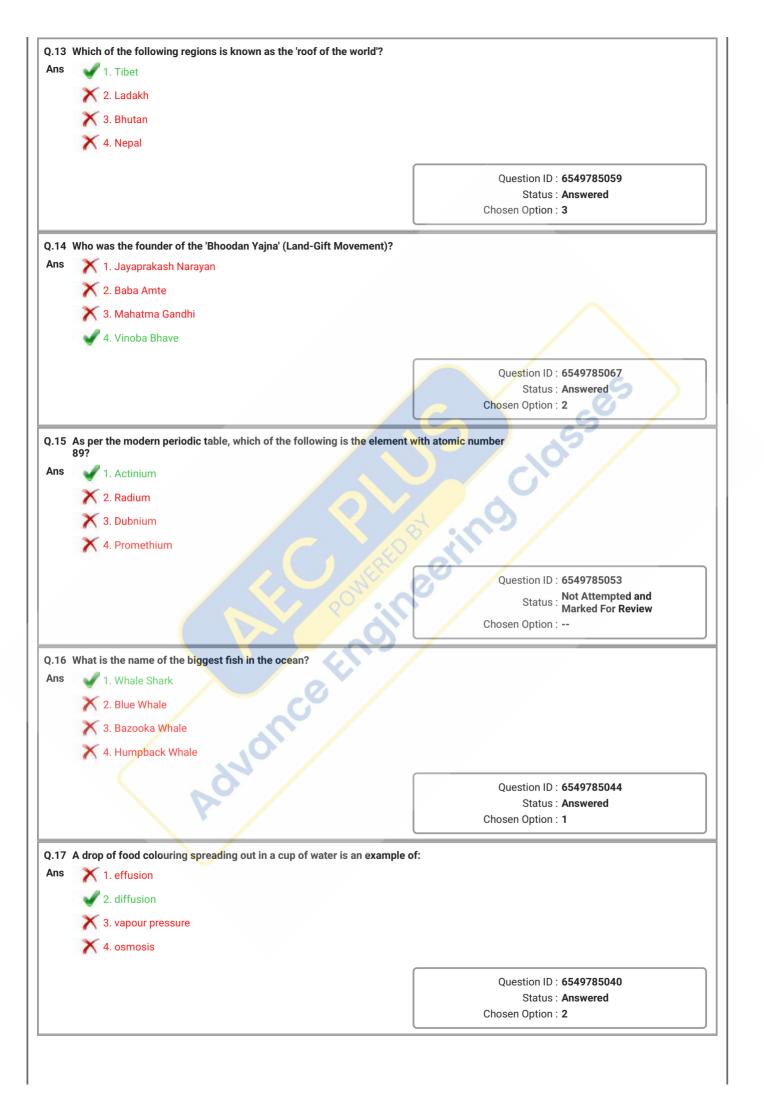
Q.42	Select the combination of letters that when sequentially placed in the blanks of the given lette series.	r series will complete the
	_qpp_ppq_	
Ans	X 1. p q p q	
	√ 2. pqqp	
	× 3. q q p p	
	× 4. q p p q	
		Question ID : 6549784983
		Status : Answered
		Chosen Option : 2
Q.43	Khushi is three years older than Pihoo but two years younger than Tushar. Tushar's age is five Vatshala's age. If Vatshala is five years old, then what is the age of Pihoo?	years more than thrice of
Ans	✓ 1. 15 years	
	× 2. 20 years	
	★ 3. 17 years	
	× 4. 18 years	25
		Question ID : 6549785020 Status : Not Attempted and
		Marked For Review
		Chosen Option :
Q.44	Select the option that is related to the third number in the same way as the second number is r 18:306::19:?	<mark>elated to th</mark> e first number.
Ans	★ 1. 341	
	× 2. 380	0
	× 3. 334	0
	4. 342	
		Question ID : 6549785015
		Status : Answered
	20	Chosen Option : 4
Q.45	Read the given statements and conclusions carefully. Assuming that the information given in the	ALTO CONTROL OF THE C
	if it appears to be at variance with commonly known facts, decide which of the given conclusion from the statements.	ns logically follow(s)
	Statements:	
	Some girls are educated. Educated girls prefer small families.	
	Conclusions:	
	I. All small families are educated. II. Some girls prefer small families.	
Ans	★ 1. Neither conclusion I nor II follows	
	× 2. Both conclusions I and II follow	
	✓ 3. Only conclusion II follows	
	X 4. Only conclusion I follows	
	1	Question ID : 6549785002
		Status : Answered
		Chosen Option : 3

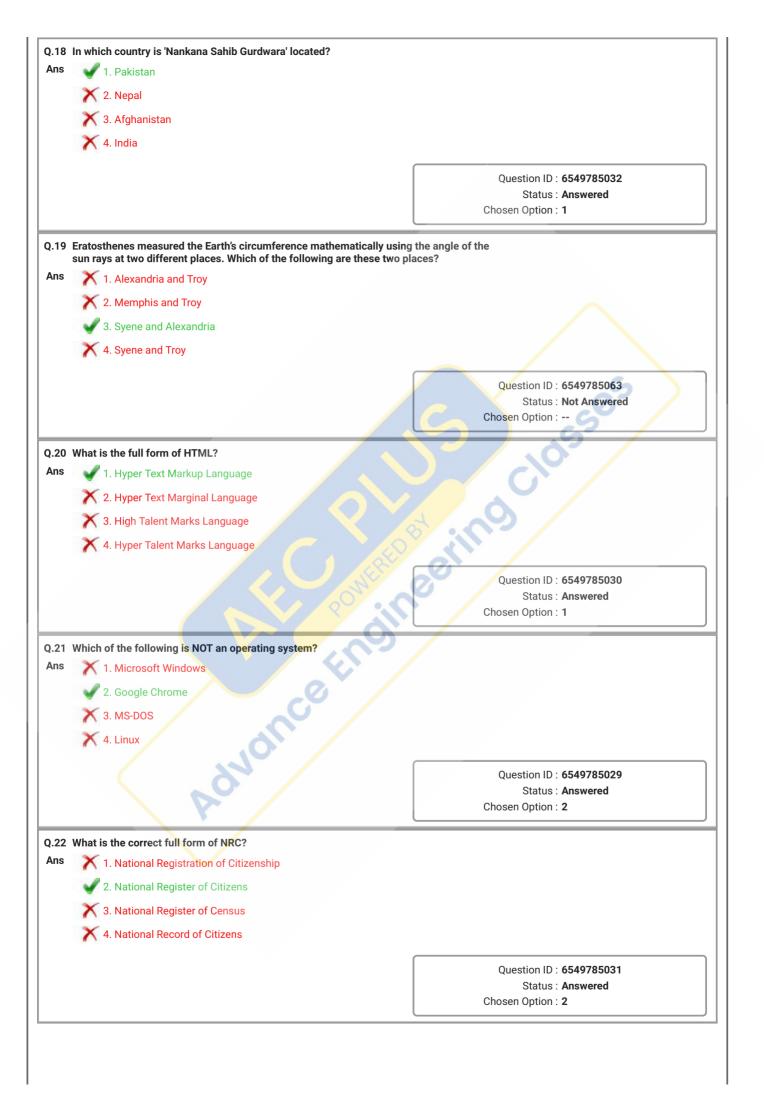
Q.46 Select the option in which the two words are related in the same way as are the two words in the following word-pair. Ans X 1. Pressure : Kelvin X 2. Second : Clock ✓ 3. Angle: Radian X 4. Liquid: Pascal Question ID: 6549784993 Status: Answered Chosen Option: 3 Q.47 If three persons are standing in such a way that M is to the South of N and O is to the East of N, then in what direction is M with respect to O? Ans X 1. West ✓ 2. South-West X 3. North-East X 4. South Question ID: 6549785004 Not Attempted and Marked For Review Chosen Option: --Q.48 Select the number that can replace the question mark (?) in the following series. 2, 5, 10, 17, 26, ? Ans X 1. 51 **2**. 37 X 3. 64 X 4. 49 Question ID: 6549785009 Status: Answered Chosen Option: 2 Q.49 In a certain code, SCIENCE is written as 58. How will TECHNOLOGY be written in that code? X 1. 126 **2**. 124 X 3. 132 X 4. 135 Question ID: 6549784999 Status: Answered Chosen Option: 2







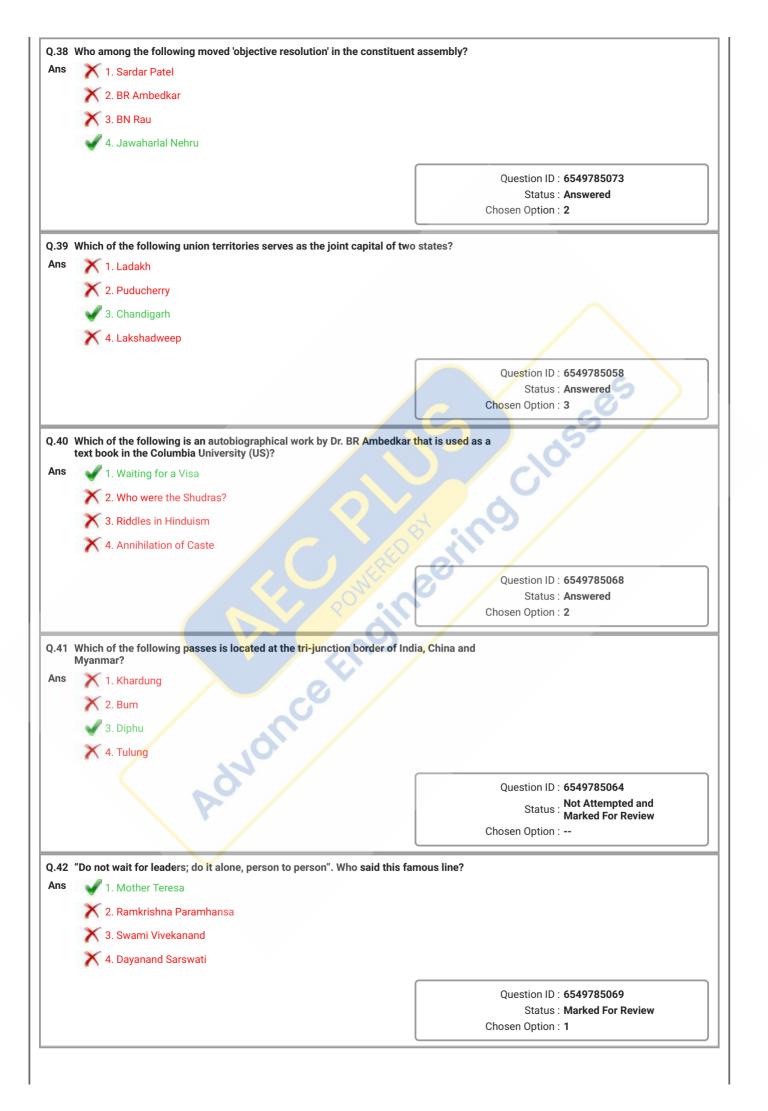




X 1. Krishna X 2. Tapi ✓ 3. Narmada X 4. Godavari Question ID : 6549785060 Status : Answered Chosen Option : 4 A मन्तित्वित में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? ✓ 1. मेरठ X 2. दिल्ली X 3. लखनऊ X 4. झांसी Question ID : 6549785066 Status : Answered Chosen Option : 3	X 2. Uddhav Thackeray X 3. Ajit Pawar X 4. Aditya Thackeray Question ID : 6549785072 Status: Answered Chosen Option: 1 2.24 Which of the following is the longest west flowing River of Peninsular India? Ans X 1. Krishna X 2. Tapi 3. Narmada X 4. Godavari Question ID : 6549785060 Status: Answered Chosen Option: 4 2.25 निम्निशिवित में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? Ans 1. मैरठ 2. दिल्ली 3. जल्बनऊ 4. झांली Question ID : 6549785066 Status: Answered Chosen Option: 3 2.26 'ASSOCHAM' is the 100 years old trade association of India. What does the acronym ASSOCHAM' is the 100 years old trade association of India. What does the acronym ASSOCHAM' stand for? 1. Association of Chambers 2. The Associated chambers of Trade and commerce	Q.23	Who among the following has served as the Chief Minister of Maharash tenure ever?	tra for the shortest
3. Ajit Pawar 4. Aditya Thackeray Question ID: 6549785072 Status: Answered Chosen Option: 1 Which of the following is the longest west flowing River of Peninsular India? 1. Krishna 2. Tapi 3. Narmada 4. Godavari Question ID: 6549785060 Status: Answered Chosen Option: 4 Ph-निलिख्त में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? 1. मैरठ 2. दिल्ली 3. अत्यवनक 4. इग्रंसी Question ID: 6549785066 Status: Answered Chosen Option: 3 ASSOCHAM' is the 100 years old trade association of India. What does the acronym ASSOCHAM stand for? 1. Association of Chambers 2. The Associated chambers of commerce and industry of India 3. The Associated chambers of Trade and commerce	X 3. Ajit Pawar X 4. Aditya Thackeray Question ID : 6549785072 Status : Answered Chosen Option : 1 2.24 Which of the following is the longest west flowing River of Peninsular India? Ans X 1. Krishna X 2. Tapl X 3. Narmada X 4. Godavari Question ID : 6549785060 Status : Answered Chosen Option : 4 2.25 निम्मिलिखित में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? Ans X 1. मेरठ X 2. दिल्ली X 3. लखनऊ X 4. girlel Question ID : 6549785066 Status : Answered Chosen Option : 3 2.26 "ASSOCHAM" is the 100 years old trade association of India. What does the acronym ASSOCHAM stand for? Ans X 1. Associated chambers X 2. The Associated chambers of commerce and industry of India X 3. The Associated chambers of Tigdia and commerce X 4. The Associated chambers of Commerce X 4. The Associated chambers of Commerce Question ID : 6549785039 Status : Answered	Ans	1. Devendra Fadnavis	
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X 1. Krishna X 2. Tapi ✓ 3. Narmada X 4. Godavari Question ID : 6549785060 Status : Answered Chosen Option : 4 Arrich@an में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? ✓ 1. मेरठ X 2. दिल्ली X 3. लखनऊ X 4. झांसी Question ID : 6549785066 Status : Answered Chosen Option : 3 ASSOCHAM' is the 100 years old trade association of India. What does the acronym ASSOCHAM stand for? X 1. Association of Chambers ✓ 2. The Associated chambers of commerce and industry of India X 3. The Associated chambers of Trade and commerce	Ans			
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3. Narmada 4. Godavari Question ID : 6549785060 Status : Answered Chosen Option : 4 निम्नलिखित में से किस शहर में सैन्य विद्रोह के बाद 1857 का विद्रोह आरंभ हुआ था? 1. मैरठ 2. दिल्ली 3. लखनऊ 4. झांसी Question ID : 6549785066 Status : Answered Chosen Option : 3 Association of Chambers Chosen Option : 3 Association of Chambers Chosen Option : 3 Association of Chambers Chosen Option : 3 Associated chambers of commerce and industry of India Chosen Option : 3 Associated chambers of Trade and commerce	्र 3. Narmada	AllS		
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X 3. The Associated chambers of Trade and commerce	3. The Associated chambers of Trade and commerce 4. The Associated chambers of commerce Question ID: 6549785039 Status: Answered			
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Status : Answered				chosen option: 2
Question ID : 6549785039	Chosen Option : 2	Q.26 Ans	ASSOCHAM stand for? 1. Association of Chambers 2. The Associated chambers of commerce and industry of India 3. The Associated chambers of Trade and commerce	Status : Answered Chosen Option : 3 the acronym Question ID : 6549785039
				Chosen Option : 2
Status : Answered Chosen Option : 2				
Status : Answered Chosen Option : 2 Who among the following won the Nobel Prize for Physics in 1930?	2.27 Who among the following won the Nobel Prize for Physics in 1930?	Ans		
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha	Ans X 1. Meghnad Saha			
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose	Ans X 1. Meghnad Saha X 2. SN Bose		3. CV Raman	
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose	Ans X 1. Meghnad Saha X 2. SN Bose		X 4. Birbal Sahni	
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose 3. CV Raman	Ans X 1. Meghnad Saha X 2. SN Bose 3. CV Raman			
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose	Ans X 1. Meghnad Saha X 2. SN Bose 3. CV Raman			1
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose 3. CV Raman	Ans			Question ID: 6549785052
Status: Answered Chosen Option: 2 Who among the following won the Nobel Prize for Physics in 1930? 1. Meghnad Saha 2. SN Bose 3. CV Raman 4. Birbal Sahni	Ans			Status : Answered

Q.28	Which of the following Indian cities is the world's fastest-growin estimate put out by the 'Economist' magazine based on 2015-20	g city as per a recent projection?
Ans	1. Malappuram	•
	× 2. Kollam	
	X 3. Surat	
	X 4. Kozhikode	
		Question ID : 6549785035
		Status : Marked For Review Chosen Option : 4
_		
	Which of the following is NOT a noble gas?	
Ans	X 1. Argon	
	× 2. Helium	
	3. Hydrogen	
	X 4. Xenon	
		Question ID: 6549785048
		Status: Answered
		Chosen Option : 3
. 20	ISRO had chosen GSLV Mk III to launch the Chandrayaan-2 spac	paraft What does the
2.30	abbreviation GSLV stand for?	ectati. What does life
Ans	1. Geosynchronous Satellite Launch Vehicle	0.
	2. Geostationary Satellite Launch Vehicle	
	3. Geosynchronous Satellite Landing Vehicle	8
	X 4. Geostationary Satellite Landing Vehicle	
		Question ID : 6549785042 Status : Answered
		Chosen Option : 2
0.04	AL PROPERTY OF THE PARTY OF THE	
Q.31 Ans	Alveoli are an important part of the: 1. digestive system 2. respiratory system 3. circulatory system 4. nervous system	
	2. respiratory system	
	2. respiratory system	
	3. circulatory system	
	4. nervous system	
		Question ID : 6549785055
		Status : Not Answered
		Chosen Option :
Q.32	The cornea is a part of the in the human body.	
Ans	★ 1. ears	
	× 2. nose	
	✓ 3. eyes	
	X 4. mouth	
		Question ID : 6549785043
		Status : Answered Chosen Option : 3

ns	When is 'World Heart Day' celebrated every year?	
uis	1. September 29	
	2. September 19	
	X 3. August 29	
	X 4. August 19	
		Question ID : 6549785051
		Status : Not Answered
		Chosen Option :
	दिसंबर 2019 में निम्नलिखित में से किस वेब पोर्टल का आरंभ दूरसंचार विभाग (Do	
Ans	खोए हुए मोबाइल फ़ोनों को बंद करवाने और उनका पता लगाने की सुविधा हेतु किय X 1. रजिस्टर फ़ॉर इक्विपमेंट आईडेंटिटी (Register for Equipment Identity)	। गया या:
	2. सेंट्रल इक्विपमेंट आईडेंटिटी रजिस्टर (Central Equipment Identity Regis	ntor)
	3. सेंट्रल गवर्नमेंट रजिस्टर फ़ॉर इक्विपमेंट आईडेंटिटी (Central Government I Identity)	Register for Equipment
	🗡 4. सेंट्रल रजिस्टर फ़ॉर इक्विपमेंट आईडेंटिटी (Central Register for Equipme	ent Identity)
		Question ID : 6549785036
		Status : Not Answered Chosen Option :
		oneen spilon.
Q.35	पादाभ (स्यूडोपोडिया) से क्या अभिप्राय है?	
Ans	🗙 1. अन्य कोशिकाओं को समाप्त करने में प्रयुक्त अंग	
	🗸 2. कोशिका द्रव्य से भरा बाँह सदृश प्रवर्ध	
	🗙 3. पाचन के लिए सहायक अंग	8
	🗙 ४. प्रोटोप्लाज्म से भरा सिर सदृश प्रवर्ध	
		Question ID : 6549785049
		Status : Answered Chosen Option : 4
		onoscii option. 4
	Which of the following teams lifted the 7 th National Ice Hockey Cham	pionship Women's
Ans	Which of the following teams lifted the 7 th National Ice Hockey Cham trophy in January 2020? 1. Chandigarh 2. Maharashtra 3. Ladakh 4. Tamil Nadu	
7 1110	1. Chandigarh	
	2. Maharashtra	
	3. Ladakh	
	× 4. Tamil Nadu	
	00	Question ID : 6549785078
		Status : Answered
		Chosen Option : 2
	यू.एस. (US) कांग्रेस में, निम्नलिखित में से वह कौन पहली हिंदू सांसद है, जो प्राथिम 2020 के राष्ट्रपति पद के नामांकन के लिए लोकतांत्रिक पार्टी की प्रत्याशी हैं?	क (primaries) और
Ans	🗙 1. कमला हैरिस	
	🗙 2. निक्की हेली	
	3. प्रमिला जयपाल	
	४ . तुलसी गेबार्ड	
		Question ID : 6549785076
		Status: Answered
		Chosen Option : 4



Q.43	Which of the following caves is NOT included in the list of the Sites?	UNESCO World Heritage
Ans	X 1. Elephanta Caves	
	X 2. Ajanta Caves	
	√ 3. Karla Caves	
	X 4. Ellora Caves	
		Question ID : 6549785065 Status : Answered
		Chosen Option : 3
	Norwegian saltpeter is a synonym for which of the following of	chemicals?
Ans	1. Calcium phosphate	
	2. Calcium nitrate	
	3. Calcium chloride	
	X 4. Calcium carbonate	
		Question ID : 6549785047
		Status : Answered
		Chosen Option : 1
).45	आप एक मार्सूपियल (marsupial) की पहचान कैसे कर सकते हैं?	
Ans	🗙 1. वे दलदल में रहते हैं।	
	🗙 2. वे पानी में रहते हैं।	
	 ✓ 3. वे अपने बच्चों को एक थैली में विकसित करते हैं। 	0
	४ 4. उनके पूँछ नहीं होती है।	3
	4. उनक पूछ नहां हाता है।	
		Question ID : 6549785050
		Status : Answered Chosen Option : 1
		Chosen Option . 1
2.46	What is the main constituent of the Sun? 1. Helium 2. Oxygen 3. Hydrogen 4. Methane	
Ans	1. Helium	
	× 2. Oxygen	
	3. Hydrogen	
	4. Methane	
		Out of the 1D + 45 40 70 50 45
	_0	Question ID : 6549785045 Status : Answered
		Chosen Option : 3
.47	Who among the following became the first woman Republic D 2020?	ay Parade Adjutant in January
Ans	🔀 1. Mitali Madhumita	
	2. Tania Shergill	
	X 3. Seema Rao	
	X 4. Gunjan Saxena	
	r. Guigaii Guacha	
		Question ID : 6549785071
		Status : Not Answered Chosen Option :
		Gnosen Option

Q.48	Who has been appointed as a Deputy Governor of RBI in January 2020?	
Ans	1. S S Mundra	
	× 2. Urjit R Patel	
	3. Viral V Acharya	
	4. Michael Patra	
		0 11 15 454050500
		Question ID : 6549785038 Status : Not Answered
		Chosen Option :
	Who has been appointed as a Senior Security Adviser in the Union Home December 2019?	Ministry in
Ans	1. K Shiva Kumar	
	2. K Vijay Kumar	
	3. Ajit Doval	
	X 4. S Jaishankar	
	4. 3 Jaistialikai	
		Question ID : 6549785074
		Status : Not Answered Chosen Option :
		Gridsen Option
Q.50	What is the liquid component of blood?	10
Ans	✓ 1. Plasma	
	2. White Blood Cells	
	X 3. Red Blood Cells	1,00
	X 4. Platelets	
		Oversion ID - 6540705046
		Question ID : 6549785046 Status : Answered
		Chosen Option : 1
Section	n : General Engineering Mechanical	
Q.1	The number of possible inversions for a mechanism with 10 number	ors of links will be
Ans	AND MANY CONTRACTOR OF THE PROPERTY OF THE PRO	is of links will be.
	X 2. 0	
	 ★ 1. 5 ★ 2. 0 ★ 3. 2 ★ 4. 10 	
	4. 10	
	4. 10	
		Question ID : 6549785081
		Status : Answered Chosen Option : 4
		Gliosell option: 4
Q.2	The most appropriate example of boiler is 0	Cornish boiler.
Ans	✓ 1. fire tube	espanees (programming QUE estamblique)
	× 2. water tube	
	× 3. flue gas	
	× 4. multi-tubular	
		Question ID : 6549785117
		Status : Answered
		Chosen Option : 1

Q.3 Air-cooled engine's efficiency is than/as water-cooled engine for the same power rating. Ans X 1. Same ✓ 2. more X 3. less X 4. More or less depends upon operation Question ID: 6549785108 Status: Marked For Review Chosen Option: 3 Q.4 Pick the correct order of various turbines with respect to specific speed. Ans X 1. Pelton > Kaplan > Francis × 2. Francis > Pelton > Kaplan √ 3. Kaplan > Francis > Pelton X 4. Kaplan > Pelton > Francis Question ID: 6549785165 Status: Answered Chosen Option: 3 Q.5 Cementite has chemical formula: X 1. Fe₄C X 2. Fe₂C₂ √ 3. Fe₃C X 4. Fe₂C Question ID: 6549785176 Status: Answered Chosen Option: 3 Q.6 If x represents the dryness fraction of steam, the specific volume of wet steam is given by: Question ID: 6549785090 Status: Answered Chosen Option: 2

Q.7	To achieve maximum efficiency in practice, centrifugal pump	p has blades that are:
Ans	X 1. straight	
	✓ 2. bent backward	
	× 3. Sine curve	
	× 4. bent forward	
		Outsetion ID 45540705470
		Question ID : 6549785172 Status : Answered
		Chosen Option : 2
.8	'The rate of change of momentum is equal to the applied force and it takes place in t statement of:	he direction of the force' is a
ns	★ 1. Continuity equation	
	➤ 2. Pascal's equation	
	✓ 3. Impulse - Momentum of equation	
	X 4. Darcy's equation	
	The state of the s	
		Question ID : 6549785159 Status : Answered
		Chosen Option : 3
9	Direction of a natural process is dictated by thelaw	of thermodynamics.
าร	X 1. zeroth	
	× 2. third	3
	X 3. first ✓	
	✓ 4. second	200
		Question ID : 6549785096
		Status: Answered
		Chosen Option : 4
0	Slip in case of a centrifugal pump:	
ıs	★ 1. increases the flow rate	
	× 2. reduces flow rate	
	× 3. increases the energy transfer	
	✓ 4. reduces the energy transfer	
		Question ID : 6549785173
		Status: Marked For Review
		Chosen Option : 1

Q.11 Rankine cycle has: Ans X 1. two isochoric and two isobaric processes × 2. two isothermal and two isobaric processes X 4. two adiabatic and two isobaric processes Question ID: 6549785111 Status: Answered Chosen Option: 3 Q.12 A Diesel engine has cut-off ratio 2 and compression ratio 20. Assuming $\gamma = 1.4$ for air, its air standard efficiency will be (Use $(2)^{1.4} = 2.639$): Ans X 1. 39.6% × 2. 72.3% X 3. 54.5% 4. 64.7% Question ID: 6549785101 Status : Not Attempted and Marked For Review Chosen Option: --Q.13 Morse test is used to find: X 1. thermal efficiency × 2. volumetric efficiency X 3. compression ratio 4. indicated Power Question ID: 6549785103 Status: Answered Chosen Option: 4 Q.14 Draught is produced in locomotive boiler by: Ans √ 1. steam jet × 2. critical fan X 3. chimney X 4. locomotion Question ID: 6549785121 Status: Marked For Review Chosen Option: 2

Q.15	A turbine rotates at 600 rpm. If moment of momentum of working f developed in MW is:	luid is reduced by 15.915 kNm, then power
Ans	√ 1. 1	
	X 2. 2	
	× 3. 1.5	
	X 4. 2.5	
	2.0	
		Question ID : 6549785169 Status : Answered
		Chosen Option : 1
	T	10// H. U.S F. V
Ans	In a refrigeration plant, removal of air to ma	initian pressure is termed as:
	X 1. surging X 2. shareing	
	× 2. charging	
	√ 3. purging	
	× 4. merging	5
		Question ID: 6549785136
		Status : Marked For Review Chosen Option : 3
		Chosen Option. 3
Q.17	Strain has dimension as:	
Ans	× 1. M¹L⁰T⁰	
	× 2. M ⁰ L ⁰ T ¹	
	× 3. M ⁰ L ¹ T ⁰	60
	✓ 4. M ⁰ L ⁰ T ⁰	ON CO
		Ouestion ID : 6549785084
		Status : Answered
		Chosen Option : 4
).18	Ratio of Power available at the rotor shaft to Power supplied by	water to the runner is efficiency.
Ans	✓ 1. overall	
	× 2. volumetric	
	→ 3. hydraulic	
	× 4. mechanical	
		Question ID : 6549785166
		Status: Marked For Review
		Chosen Option : 3

Q.19 In Bell-Coleman cycle, the refrigeration effect happens at constant:

Ans

X 1. enthalpy

X 2. volume

X 3. entropy

4. pressure

Question ID: 6549785131 Status: Answered Chosen Option: 4

Q.20 The condition for the length of convergent part (L) and the length of divergent part (L_1) in a venturimeter is:

Ans



length of convergent part is equal to length of divergent part



length of convergent part is greater than length of divergent part



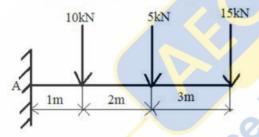
there is no such restrictions for the length of convergent and divergent parts



length of convergent part is less than length of divergent part

Question ID: 6549785161
Status: Answered
Chosen Option: 4

Q.21 The reaction and bending moments at point A of the cantilever beam are:



Ans

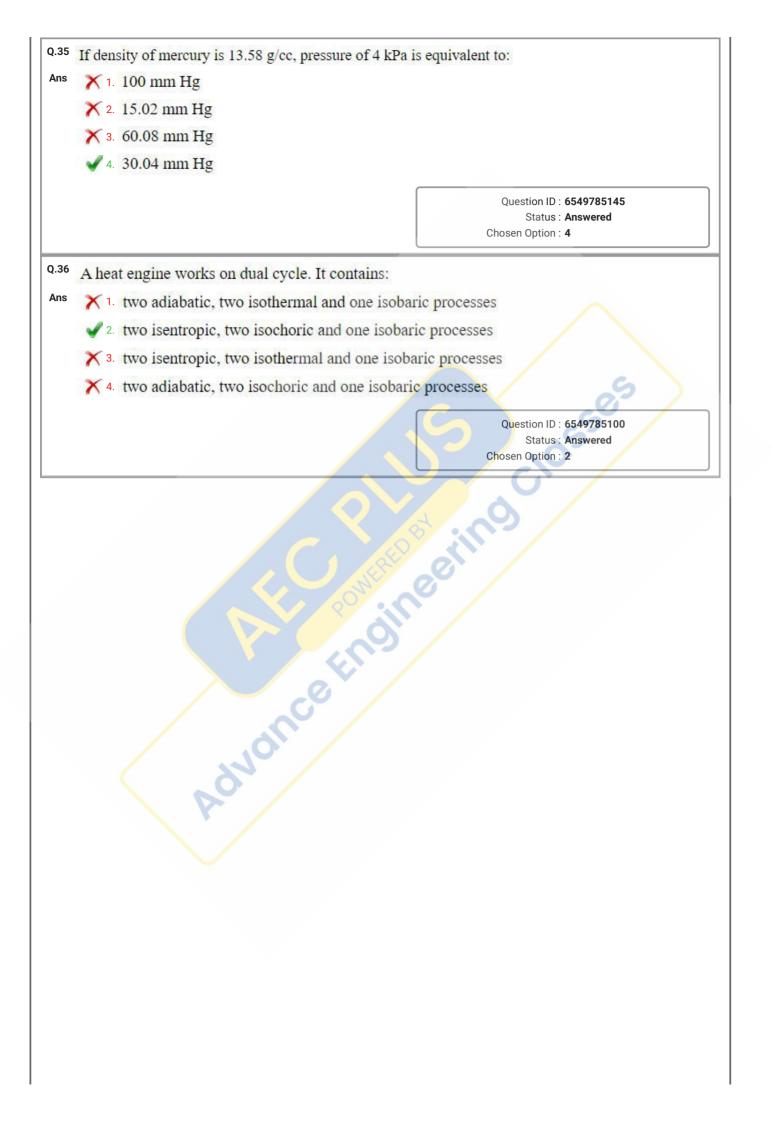
- ✓ 1. R_A = 30kN and M_A = −115kNm
- \times 2. R_A = 30kN and M_A = 0kNm
- \times 3. $R_A = 30$ kN and $M_A = -125$ kNm
- \times 4. $R_A = 0$ kN and $M_A = -115$ kNm

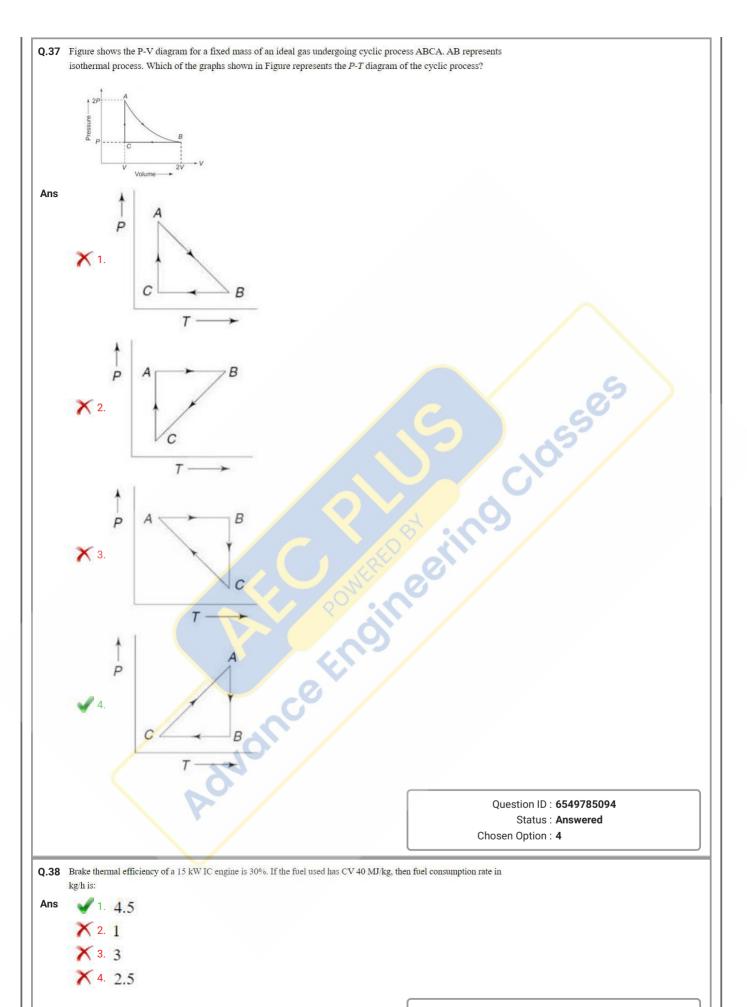
Question ID : **6549785087** Status : **Answered**

ns	mm. Poisson's ratio is given by: (Assume modulus of rigidity = 80 GPa)	
113	1. 0.2923	
	2. 0.056	
	× 3. 0.025	
	× 4. 0.56	
		Question ID : 6549785086
		Status : Not Attempted and Marked For Review
		Chosen Option :
_		
.23	In an isentropic process, the pressure P of a gas varies with temperature T as $P = k T^{5/2}$ w. $\gamma (= Cp/Cv)$ of the gas is:	here k is a constant. The ratio
ns	r (= Cp/CV) of the gas is:	
	√ 1. 3/2	
	3	
	\times 2. $\frac{9}{5}$	
	× 3. 7	50
	\times 3. $\frac{7}{5}$ \times 4. $\frac{3}{2}$	5 15565
	\times 4. $\frac{3}{-}$	
	2	0,
		Question ID: 6549785091
		Status : Answered
		Chosen Option : 1
.24	Which of the following processes is NOT comprised	by Diesel cycle?
lns	✓ 1. Addition of heat at constant volume	
	× 2. Adiabatic expansion and compression	
	★ 3. Rejection of heat at constant volume	
	4. Addition of heat at constant pressure	
		Question ID : 6549785099 Status : Answered
	170	Chosen Option : 1
	-	
.25	Critical temperature of water in degrees is:	
ns	X 1. 273	
	√ 2. 374.15	
	× 3. 273.15	
	× 4. 100	
	× 4. 100	
	× 4. 100	Question ID : 6549785088 Status : Answered

Q.26	In a free vortex, the flow is:					
Ans	 ¹ rotational ² irrotational ³ rotational or irrotational 					
				× 4. neither rotational nor irrotational		
						Outsties ID 4 6540705450
			Question ID : 6549785158 Status : Answered			
		Chosen Option : 2				
Q.27	Using a dynamometer,power of	an IC engine is determined.				
Ans	× 1. friction	end rate (and o though the state and and the state of the				
	✓ 2. brake					
	× 3. indicated					
	× 4. fuel					
	ANNA.	6				
		Question ID : 6549785104 Status : Answered				
		Chosen Option : 2				
0.00						
Q.28 Air is compressed in a single stage reciprocating compressor at the rate of 1 kg/s from 1 bar at 22°C to 8 bar. If $\gamma = 1.4$ and R = 287 J/kg.K for air, also take (8) ^{0.286} = 1.812 and ln(8) = 2.079, Difference in work required if compression was						
A	isentropic and isothermal:					
Ans	1. 240.45 kW	5 .05				
	× 2. 218.32 kW					
	X 3. 176.06 kW	Section 1				
	4. 64.39 kW					
		Question ID : 6549785129				
		Status : Not Attempted and Marked For Review				
		Chosen Option :				
Q.29	If a thermometer is used to measure temperature in a moving steam	in a nozzle, it measures temperature.				
Ans						
	× 2. static					
	The state of the s					
	✓ 3. stagnation					
	 1. dynamic 2. static 3. stagnation 					
	✓ 3. stagnation✓ 4. wet-bulb					
	✓ 3. stagnation✓ 4. wet-bulb	Question ID: 6549785139				
	✓ 3. stagnation ✓ 4. wet-bulb	Question ID : 6549785139 Status : Marked For Review Chosen Option : 4				

Q.30 The numerical designation of air as refrigerant is	32	
Ans × 1. 717		
× 2. 718		
√ 3. 729		
× 4. 744		
	Question ID : 6549785134 Status : Answered Chosen Option : 3	
In a nozzle, steam is flowing. If the back pressure is equal to the critical pressure, the mass flow rate of steam is:		
Ans X 1. mean		
✓ 2. maximum		
× 3. minimum		
X 4. zero		
	Question ID : 6549785140 Status : Marked For Review Chosen Option : 2	
The process by which air inside a centrifugal pump is removed and filled with liquid to be pumped is called:		
Ans 1. priming		
× 2. sweeping		
→ 3. pumping	Ø	
× 4. purging		
	Question ID : 6549785171 Status : Answered Chosen Option : 1	
Q.33 A Francis turbine has an overall efficiency of 83%. If it develops power of 500 kW un	der a net head of 3000 cm, the	
discharge through turbine in m ³ /s is: Ans		
Ans X 1. 2.50 X 2. 20.50		
X 3. 25.0		
4. 2.05		
2.03		
	Question ID : 6549785170 Status : Answered	
	Chosen Option : 4	
Q.34 all reaction turbine will have maximum efficiency if swirl velocity at the	ne outlet will be equal to:	
Ans 🗸 1. zero		
× 2. runner inlet velocity		
× 3. runner outlet velocity		
× 4. inlet swirl velocity		
and smill volocity	Question ID : 6549785164 Status : Marked For Review Chosen Option : 2	





Question ID: 6549785106 Status: Answered

Q.39 The pressure ratio known as critical pressure ratio for maximum discharge through the nozzle is given by:

Ans

$$\times 1. \frac{p_2}{p_1} = \left(\frac{n+1}{2}\right)^{n/n-1}$$

$$\times 2 \cdot \frac{p_2}{p_1} = \left(\frac{2}{n+1}\right)^{n-1/n}$$

$$\sqrt[3]{3} \cdot \frac{p_2}{p_1} = \left(\frac{2}{n+1}\right)^{n/n-1}$$

$$\times 4. \frac{p_2}{p_1} = \left(\frac{n+1}{2}\right)^{n-1/n}$$

Question ID: 6549785141 Status: Marked For Review

Chosen Option: 2

The water is flowing through a pipe having areas 0.05m^2 and 0.01m^2 at sections 1 and 2 respectively. The rate of flow through the pipe is 50 litres per second in section 1. The velocity at sections 1 and 2 are:

Ans

$$\times$$
 1. $V_1 = 0.1 \text{m/s}$ and $V_2 = 5 \text{m/s}$

$$\times$$
 2. $V_1 = 1 \text{m/s}$ and $V_2 = 0.5 \text{m/s}$

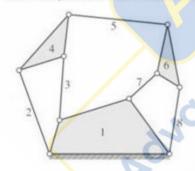
$$\times$$
 3. $V_1 = 0.1 \text{m/s}$ and $V_2 = 0.5 \text{m/s}$

✓ 4.
$$V_1 = 1 \text{m/s} \text{ and } V_2 = 5 \text{m/s}$$

Question ID: 6549785160 Status: Answered

Chosen Option: 4

CEERO Mobility of the shown mechanism is:

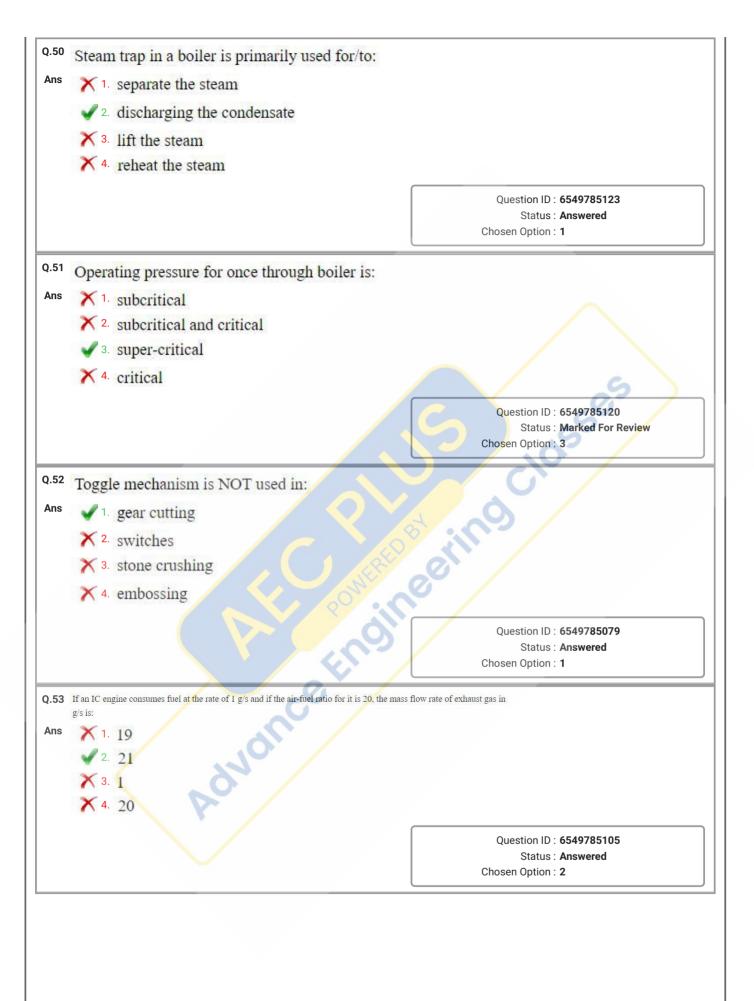


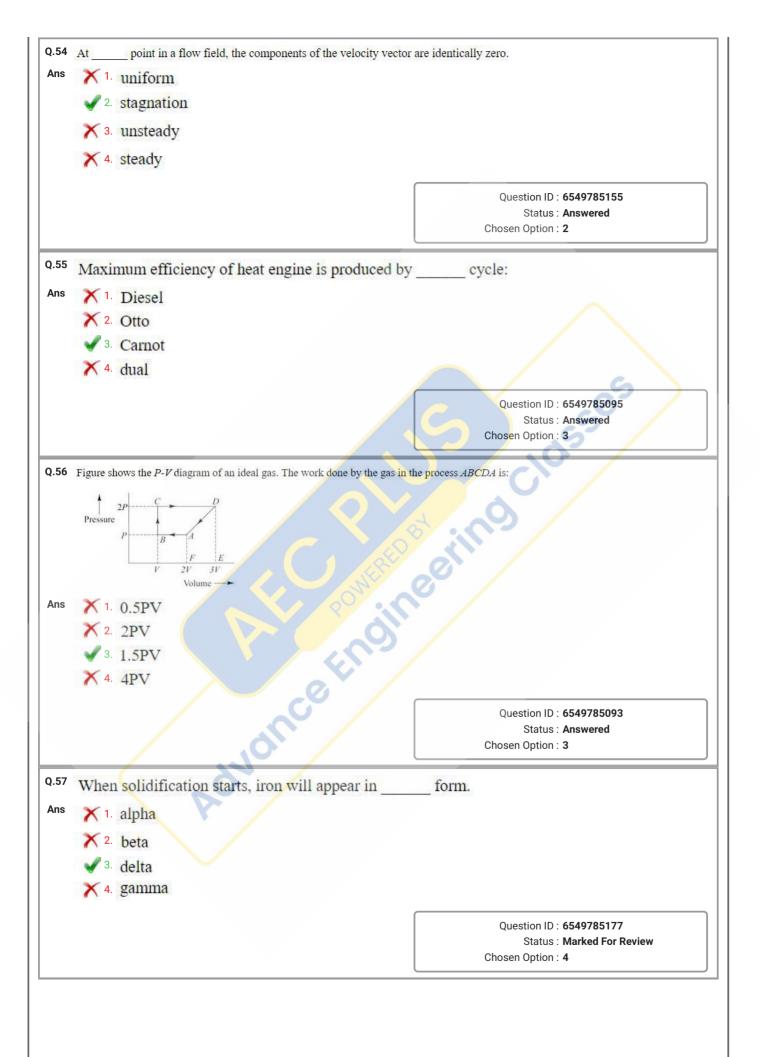
Question ID: 6549785082 Status: Answered

Chosen Option: 4

Q.42	Steam jet draught is used in	boiler(s).
Ans	X 1. Cochran	
	✓ 2. locomotive	
	X 3. Lancashire and Cochran	
	X 4. Lancashire	
		Ouestion ID : 6549785122
		Status : Marked For Review
		Chosen Option: 3
Q.43	Bourdon gauge is used to measur	repressure.
Ans	★ 1. local atmospheric	
	× 2. standard atmospheric	
	✓ 3. gauge	
	× 4. absolute	
		Quanties ID + 6540705550
		Question ID : 6549785150 Status : Answered
		Chosen Option : 3
Q.44	In a floating body, the buoyancy force acts through the centr	re of gravity of the displaced volume of the fluid is termed
Ans	1. centre of gravity	
	× 2. centre of activity	
	✓ 3. centre of buoyancy	
	× 4. metacenter	
	4. metacenter	80.11
		Question ID : 6549785147
		Status : Answered Chosen Option : 3
Q.45	The state of the s	1 State of the Control of the Contro
Ans	The rate of steam generation in water tube 1. less	boiler in comparison to fire tube boiler is:
	× 2. more or less the same	
	3. more	
	× 4. equal	
	* equal	
		Question ID: 6549785116
		Status : Marked For Review Chosen Option : 1

Q.46 A diatomic gas is enclosed in a piston cylinder arrangement at a pressure of 3 bar and 300 K. The cylinder has the volume of 1.5 m³. The process undergoes isothermal expansion to 3 m³. If the gas has a gas constant as 1.486 kJ/kg, using, ln2 = 0.693, entropy change during the above process in kJ/kg is: Ans 1. 1.03 X 2. 1.20 X 3. 1.65 X 4. 1.15 Question ID: 6549785097 Status: Answered Chosen Option: 1 Q.47 The coefficient of velocity, C_v for an orifice is 0.98. Head loss at the orifice for discharge under a head of 200 cm is: Ans X 1. 0.8 cm ✓ 2. 8 cm X 3. 80 cm X 4. 2 cm Question ID: 6549785163 Status: Marked For Review Chosen Option: 2 **Q.48** Air is compressed is entropically in a compressor from 1 bar to 5 bar. Assuming $\gamma = 1.4$ for air and clearance volume is 5% of swept volume, the volumetric efficiency of the compressor is (Take $(5)^{0.714} = 3.157$): Ans √ 1. 89.21% × 2. 99.21% X 3. 92.67% X 4. 93.01% Question ID: 6549785128 Status : Not Attempted and Marked For Review Chosen Option: --Q.49 Discharge over cipolletti weir of length 200 cm for a head over weir of 100 cm in m³/s is: Ans X 1. 0.366 X 2. 36.6 X 3. 0.00366 4. 3.66 Ouestion ID: 6549785162 Status : Not Attempted and Marked For Review Chosen Option: --





58	For fluid the shear stress is directly	
S	✓ 1. strain rate	
	× 2. size	
	X 3. strain	
	× 4. shape	
		Question ID : 6549785143
		Status : Answered
		Chosen Option : 1
.59	TTT curves are curves.	
Ans	✓ 1. isothermal	
	× 2. adiabatic	
	X ₃ isentropic	
	× 4. isochoric	
	- Isochoric	5
		Question ID : 6549785175
	Throttling calorimeter measures dry 1. 0.68 2. 0.98	Status : Marked For Review Chosen Option : 1
	1. 0.68✓ 2. 0.98✓ 3. 0.56	Status : Marked For Review Chosen Option : 1
	1. 0.68✓ 2. 0.98	Status : Marked For Review Chosen Option : 1 Vness fraction up to:
	1. 0.68✓ 2. 0.98✓ 3. 0.56	Status : Marked For Review Chosen Option : 1
	1. 0.68✓ 2. 0.98✓ 3. 0.56	Status: Marked For Review Chosen Option: 1 Vness fraction up to: Question ID: 6549785089
nns	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
.61	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
.61	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
.61	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
.61	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
Ans 9.61	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1
Ans ().61	 1. 0.68 2. 0.98 3. 0.56 4. 0.76 On T-S diagram, constant pressure I 1. Cp/γT 2. T/cp 3. T/S 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1 Line slope is expressed as: Question ID: 6549785098
Q.60 Ans	 ★ 1. 0.68 ★ 2. 0.98 ★ 3. 0.56 ★ 4. 0.76 	Status: Marked For Review Chosen Option: 1 Question ID: 6549785089 Status: Marked For Review Chosen Option: 1 Line slope is expressed as:

	If stress measuring device shows reading as 1	MPa. It is equivalent to:
ns	× 1. 10 N/mm ²	
	× 2. 1 MN/mm ²	
	× 3. 1 kN/mm ²	
	✓ 4. 1 N/mm ²	
		Question ID: 6549785083 Status: Answered
		Chosen Option : 4
.63	Air is compressed is entropically in a single stage single acting compressor f to 5 bar. If $\gamma = 1.4$ and $R = 287$ J/kg.K for air, work of compression for unit r 1.584):	
Ans	★ 1. 198.3 kW	
	× 2. 17.769 kW	
	✓ 3. 177.69 kW	
	× 4. 205.8 kW	03
		Question ID: 6549785127 Status: Not Attempted and Marked For Review Chosen Option:
.64	In a multi-cylinder heavy duty engine, mainly	lubrication system is used.
Ans	✓ 1. pressure feed	_ indirection system is used.
	× 2. splash and wet sump	200
	× 3. splash	
	S. S. September	
	× 4. scoop feed	
	S. S. September	Question ID : 6549785107 Status : Marked For Review Chosen Option : 1
.65	X 4. scoop feed ✓	Status: Marked For Review
	X 4. scoop feed Refrigerant-22 has chemical formula:	Status: Marked For Review
	Refrigerant-22 has chemical formula: 1. CClF ₃	Status: Marked For Review
	Refrigerant-22 has chemical formula: **\times 1. CClF_3 **\times 2. CHClF_2	Status: Marked For Review
	 X 4. scoop feed Refrigerant-22 has chemical formula: X 1. CClF₃ ✓ 2. CHClF₂ X 3. CCl₂F₃ 	Status: Marked For Review
	Refrigerant-22 has chemical formula: **\times 1. CClF_3 **\times 2. CHClF_2	Status: Marked For Review
	 X 4. scoop feed Refrigerant-22 has chemical formula: X 1. CClF₃ ✓ 2. CHClF₂ X 3. CCl₂F₃ 	Status: Marked For Review
Q.65 Ans	 X 4. scoop feed Refrigerant-22 has chemical formula: X 1. CClF₃ ✓ 2. CHClF₂ X 3. CCl₂F₃ 	Status : Marked For Revie Chosen Option : 1

Q.66	Which of the following does NOT require flue	gas for operation?
Ans	✓ 1. Injector	
	× 2. Superheater	
	× 3. Economiser	
	× 4. Preheater	
		Question ID: 6549785118
		Status : Answered
		Chosen Option : 2
Q.67	In an IC engine, the type of lubrication system used	for bearing is mainly:
Ans	★ 1. boundary	
	× 2. mixed-film	
	√ 3. hydrodynamic	
	× 4. static	
		Question ID: 6549785109
		Status : Answered
		Chosen Option: 3
Q.68	If mechanical efficiency of a Pelton Turbine is 80% and its hydraulic efficiency is	85%, its overall efficiency will be:
Ans	★ 1. 50%	
	× 2. 75%	(A)
	√ 3. 68%	
	X 4. 72%	0
		Question ID: 6549785167
		Status : Answered Chosen Option : 3
Q.69	7-Hon has structure.	
Ans	X 1. BCC	
	× 2. HCP	
	X 3. SC	
	4. FCC	
		Question ID : 6549785174
		Status : Answered Chosen Option : 4
0.70	Partition (March Inchine of the Control of the Control	
Q.70	Reversed Brayton eyere is identical with.	
Ans	1. Rankine	
	× 2. Dual	
	X 3. Reversed Carnot	
	✓ 4. Bell-Coleman	
		Question ID: 6549785130
		Status : Answered Chosen Option : 4
		·

Q.71 Which of the following is NOT an accessory of a boiler? Ans X 1. Economiser X 2. Water pump for feeding √ 3. Condenser X 4. Air preheater Ouestion ID: 6549785119 Status: Answered Chosen Option: 3 Q.72 An air refrigeration system works on Bell-Coleman cycle. It draws air at the rate of 1 kg/s from the cold chamber at 1 bar and 5°C. Air is compressed to 7 bar and then is cooled to 25°C before sending it to expansion cylinder. Given γ = 1.4 c_p = 1.005 kJ/kg.K and $7^{0.286}$ = 1.745 . Refrigeration effect for this system in tonne per hour, is: Ans X 1. 15.8 **√** 2. 30.6 X 3. 3.06 X 4. 1.58 Question ID: 6549785138 Status: Not Answered Chosen Option: --Q.73 Ideal refrigeration system is used to cool the system at 5°C. Heat rejection happens at 100°C. If ambient temperature is 30°C, COP of the system is: Ans X 1. 4.05 2. 3.54 3. 1.56 4. 2.93 Question ID: 6549785132 Status: Marked For Review Chosen Option: 2 Q.74 In a bucket of water, Piezometric head: X 1 increases in horizontal direction ✓ 2. increases linearly in vertical direction X 3. decreases in horizontal direction X 4. remains constant at every point Question ID: 6549785149 Status: Marked For Review Chosen Option: 4

Q.75 If the velocity of flow at a particular point or at a section does NOT change with respect to time, then the flow is known Ans ✓ 1. steady flow X 2. unsteady flow X 3. laminar flow X 4. turbulent flow Question ID: 6549785154 Status: Answered Chosen Option: 1 Q.76 Using Willan's line, _____power of an engine is calculated. Ans X 1. brake X 2. indicated √ 3. frictional X 4. theoretical indicated Question ID: 6549785102 Status: Answered Chosen Option: 4 Q.77 Dimension of absolute pressure is: Ans $1. M^{1}L^{1}T^{-2}$ ✓ 2. M¹L⁻¹T⁻² **×** 3. M¹L-¹T--2 X 4. M¹T -1T-1 Question ID: 6549785146 Status: Answered Chosen Option: 2 Q.78 A rubber ball is thrown vertically upward with a velocity u from the top of a building. It strikes the ground with a velocity 3u. The time taken by the ball to reach the ground is given by: √ 1. 4u/g X 2. 3u/g X 3. 2u/g X 4. u/g Question ID: 6549785085 Status: Marked For Review Chosen Option: 1

Q.79 The flow field is expressed as $u = a \cos \alpha$ and $v = a \sin \alpha$ for constant a and α . The equation of streamline passing through origin in this flow field is calculated by:

Ans $y = \frac{x}{tan\alpha}$

X 3. $Y = x^2$

 \times 4. $Y = x^2 \tan \alpha$

 \checkmark 2. $y = x \tan \alpha$

Question ID: 6549785157 Status: Answered

Chosen Option: 2

Q.80 Sub-cooling in a vapour compression refrigeration system _____ enthalpy of liquid refrigerant below saturation level.

Ans X 1. enhances

× 2. keeps same

√ 3. reduces

X 4. may reduce or enhance

Question ID: 6549785137

Status: Answered

Chosen Option: 3

Q.81 Water is flowing in a pipe of 200 cm diameter under a pressure head of 10000 cm. The thickness of the pipe wall is 0.75 cm. The tensile stress in the pipe wall in MPa is:

Ans X 1. 13.05

× 2. 100

√ 3. 130.5

X 4. 1305

Ouestion ID: 6549785152

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.82 Relation between shear stress and velocity gradient for Newtonian fluid is:

Ans X 1. exponential

✓ 2. linear

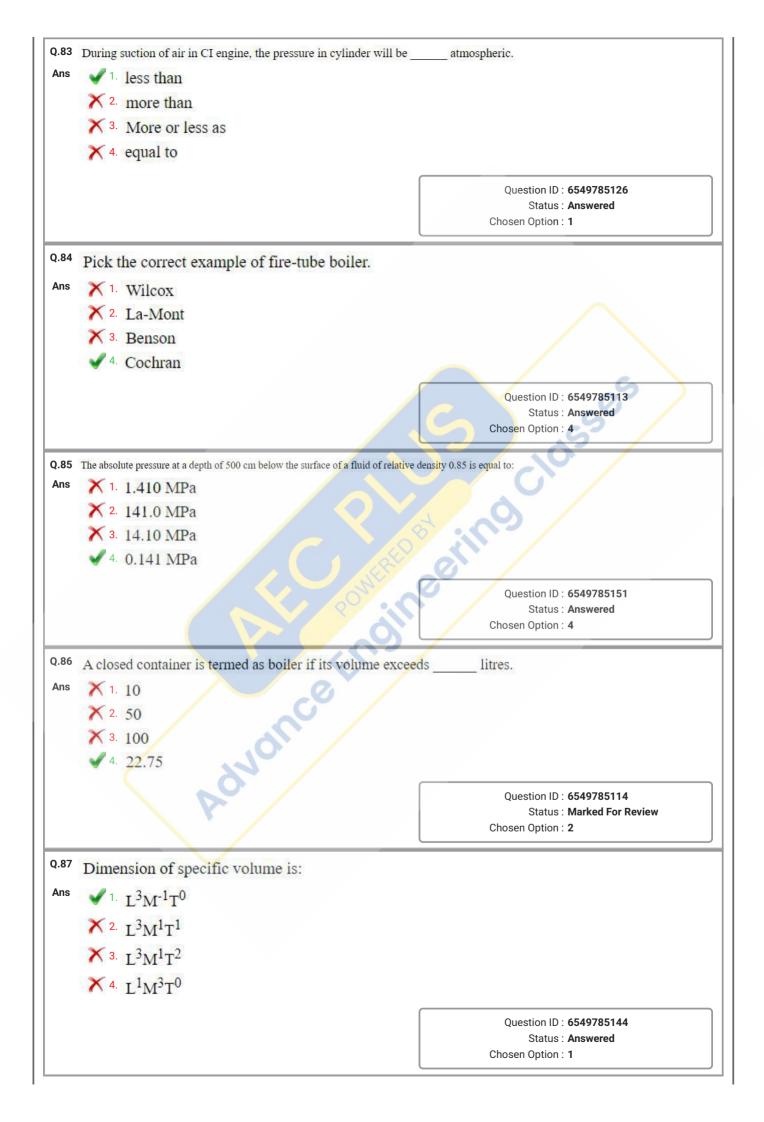
X 3. logarithmic

X 4. non-linear

Question ID: 6549785142

Status: Answered

Chosen Option: 2



	✓ 2. Same✓ 3. less	
× 4. more		
		Question ID : 6549785110 Status : Answered Chosen Option : 3
89	In Kaplan Turbine, the flow velocity:	
ns	1. directly proportional to the radius	
	× 2. maximum at midpoint of the radius	
	★ 3. inversely proportional to the radius	
	✓ 4. is constant along the radius	
		Question ID : 6549785168 Status : Marked For Review Chosen Option : 4
.90	Lead screw of a lathe machine is an example of a	pair.
ns	➤ 1. sliding	
	× 2. turning	6 100
	✓ 3. screw	01
	→ 4. rolling	0
		Question ID : 6549785080 Status : Answered Chosen Option : 1
.91	The compressor can deliver maximum theoretical volum	ne of air known as:
The compressor can deliver maximum theoretical volume of air known as: Ans 1. swept volume + clearance volume		ic of all lillowings.
	× 2. total volume	
	✓ 3. swept volume	
	× 4. free volume	
		Outstian ID - CF4070F10F
		Question ID : 6549785125 Status : Answered
		Chosen Option : 2

).92	If regeneration is used in Rankine cycle system, under ideal condition efficie	ency Carnot cycle.
ns	✓ 1. will be equal to	
	× 2. will be less than	
	→ 3. will be more than	
	× 4. may be more than	
		Question ID : 6549785112 Status : Answered
		Chosen Option : 1
.93	If fluid properties in a flow are constant with space at any instant of time	ne, the flow is termed as:
ns	✓¹. uniform	ACCEPTANCE OF THE STREET OF TH
	× 2. non-uniform	
	X 3. steady	
	× 4. unsteady	
		Question ID : 6549785153 Status : Answered
		Chosen Option : 1
	100 1135 W 1 CVIII 1040 2 2500 1 W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
.94	A velocity potential function exits when the flow	v is:
ns	X 1. rotational	
	★ 2. tangential	3 . (3)
	X 3. parallel X 3. parallel	
	√ 4. irrotational	0
		Question ID : 6549785156
		Status : Answered
	rus,	Chosen Option : 4
.95	In an isentropic process, the pressure of a monoatomic ideal gas increases by 0.5%. The v	volume will decrease (in %) by
	(Take (0.995) ^{0.625} = 0.997):	
ns	(Take $(0.995)^{0.025} = 0.997$): 1. 0.4 2. 0.3 3. 0.2 4. 0.1	
	2. 0.3	
	X 3. 0.2 X 4. 0.1	
	4. 0.1	
	* /	Question ID: 6549785092
		Status : Answered Chosen Option : 2

Q.96 If metacentric height of a floating object is positive, the object will be in: Ans ✓ 1. stable equilibrium × 2. stable or unstable equilibrium X 3. unstable equilibrium X 4. neutral equilibrium Question ID: 6549785148 Status: Answered Chosen Option: 1 Q.97 A Carnot refrigerator is used to maintain temperature at -30°C that requires 1.28 kW per ton of refrigeration. The heat rejected in kW per tonne refrigeration is: Ans X 1. 3.5 X 2. 2.78 **3**. 4.78 X 4. 5.45 Question ID: 6549785133 Status: Answered Chosen Option: 3 Q.98 boiler is an example of once-through boilers. Ans 1. Benson X 2. La-Mont X 3. Benson and La-Mont X 4. Loeffler Question ID: 6549785115 Status: Answered Chosen Option: 1 Q.99 Carbon percentage present in iron more than 4.3% is termed as: X 1. Hypoeutectoid steel X 2. Hypereutectoid steel √ 3. hypereutectic CI X 4. hypoeutectic CI Question ID: 6549785178 Status: Answered Chosen Option: 3



Q.100 Fusible plug is used in a boiler to/for:

√ 1 extinguish the fire