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Section	Ċ	Gene	irai!	ΑV	√ar	en	ess

Q.1 Article 233A inserted by the _ Amendment Act validated the appointments of and judgements etc. delivered by certain district judges.

Ans X A. Fortieth

X B. Fiftieth

C. Twentieth

X D. Thirtieth

Question ID: 1034359411





Q.2 Ans	The Kabir Granthavali is associated with the Dadupanth in X A. Madhya Pradesh	
	X B. Gujarat	
	✓ C. Rajasthan	
	X D. Uttar Pradesh	
		0 (10 4004070400
		Question ID : 1034359402 Status : Answered
Q.3	Which of the following countries topped the medal table at the Winter Oly Beijing in 2022?	ympics held in
Ans	X A. Germany	
	X B. India	
	C. Norway	
	X D. China	
		Question ID : 1034359414 Status : Answered
Q.4	In which of the following years was the Protection of Human Rights Act, amended?	1993
Ans	✓ A. 2019	
	X B. 2018	
	X C. 2020	
	X D. 2021	
		Question ID : 1034359413
		Status: Not Answered Chosen Option:





Q.5	Who among the following was appointed as the new National e Chief in February 2022?	-Governance Division
Ins	X A. Nitin Paranjpe	
	X B. Rakesh Sharma	
	X C. Sanjeev Sanyal	
	D. Abhishek Singh	
		Question ID : 1034359407 Status : Answered
		Status : Answered
2.6	Hemananda Biswal, who passed away in February 2022, was the minister of which of the following states?	ne first tribal chief
ns	✓ A. Odisha	
	X B. Mizoram	
	X C. Assam	
	X D. Nagaland	
		Question ID : 1034359408
		Status : Not Answered
		Chosen Option :
ე.7	The Government of India Act, 1935 separated Burma from India	and two new provinces
	of and Sind were created.	
Ins	X A. Delhi	
	✓ B. Orissa	
	X C. Punjab	
	X D. Assam	
		Question ID : 1034359412
		Status : Not Answered
		Chosen Option :



Q.8	Who among the following won the gold medal in the 55 kg weight category at Singapore Weightlifting International 2022?
Ans	✓ A. Mirabai Chanu
	X B. Elly Cassandra
	X C. Tori Gallegos
	X D. Jessica Sewastenko
	Question ID: 1034359415 Status: Not Answered Chosen Option:
2.9	At the end of which year did the Congress held its annual session at Lahore and passed the resolution of Purna Swaraj?
ns	X A. 1925
	X B. 1921
	X C. 1923
	✓ D. 1929
	Question ID : 1034359404 Status : Answered
.10	In which of the following states is the Karma dance NOT performed?
ns	X A. Odisha
	X B. Chhattisgarh
	X C. Madhya Pradesh
	✓ D. Andhra Pradesh
	Question ID: 1034359388 Status: Not Answered Chosen Option:





	Minimum Support Price as of September 2021?	
ns	X A. Cotton	
	X B. Wheat	
	✓ C. Chickpea	
	X D. Ragi	
		Question ID : 1034359393
		Status : Answered
	Which of the following Articles of the Constitution of be a Union of States?	India lays down that India shall
Ans	X A. Article 2	
	X B. Article 3	
	C. Article 1	
	X D. Article 4	
		Question ID : 1034359410
		Status : Not Answered
		Chosen Option :
Q.13	Who among the following players won the ESPN Cric	cinfo 'Test Batting' award 2021?
Ans	X A. Kyle Jamieson	
	X B. Ollie Robinson	
	✓ C. Rishabh Pant	
	X D. Kane Williamson	
	D. Naile Williamson	
		Question ID : 1034359416
		Status : Answered





Ans	In which of the following states is Dulhadev tem A. Uttar Pradesh	ple located?
	X B. Bihar	
	X C. Rajasthan	
	✓ D. Madhya Pradesh	
		Question ID : 1034359390 Status : Answered
Q.15	As per Census 2011, approximately how much p below 14 years of age?	percentage of the population of India is
Ans	✓ A. 29.5%	
	X B. 34.4%	
	X C. 53.2%	
	X D. 47.6%	
		Question ID : 1034359400 Status : Not Answered Chosen Option :
Q.16	Who among the following was a freedom fighter felicitated with the Padma Shri Award in 2022 by	
Ans	X A. Sucheta Kripalani	
	✓ B. Shakuntala Choudhary	
	C. Kanaklata Barua	
	X D. Aruna Asaf Ali	
		Question ID : 1034359406





Q.17 Ans	Approximately how much percentage of Earth's surface is covered with oceans? X A. 58%
	X B. 84%
	✓ C. 71%
	X D. 67%
	Question ID : 1034359401 Status : Answered
).18 Ans	Which of the following chemical is used in formation of ice cream? X A. Magnesium Bromate
	X B. Calcium Carbonate
	✓ C. Sodium Chloride
	Question ID : 1034359397 Status : Answered As per Budget 2022-23, States will be allowed a fiscal deficit ofof Gross State Domestic Product.
Ans	✓ A. 4%
	X B. 15%
	X C. 8%
	X D. 12%
	Question ID : 1034359394 Status : Not Answered Chosen Option :





	A Green strategic partnership was established between India and	
Ans	X A. Netherlands	
	✓ B. Denmark	
	X C. Sweden	
	X D. Norway	
		Question ID : 1034359396 Status : Not Answered Chosen Option :
	Who among the following won the FIFA Club World Cup 2021 final?	
Ans	X A. Liverpool	
	X B. Palmeiras	
	✓ C. Chelsea	
	X D. Manchester United	
	Adda	Question ID : 1034359417 Status : Answered
2.22	India has how many neighbouring countries?	
Ans	✓ A. Nine	
	X B. Seven	
	X C. Six	
	X D. Eight	
		Question ID : 1034359399 Status : Answered





X.20	Who among the following was the first Indian musician to have United Nations General Assembly in 1966?	performed at the
Ans	X A. Lata Mangeshkar	
	X B. Annapurna Devi	
	C. MS Subbulakshmi	
	X D. KS Chithra	
		Question ID : 1034359389 Status : Not Answered Chosen Option :
).24	Who authored the book titled 'A History of Sriniketan: Rabindra Pioneering Work in Rural Construction'?	nath Tagore's
Ans	X A. Sagarika Ghosh	
	✓ B. Uma Das Gupta	
	C. Priyam Gandhi Mody	
	X D. Navdeep Singh Gill	
		Question ID : 1034359409 Status : Not Answered Chosen Option :
2.25	The old alluvial soil has a higher concentration of than t	the new alluvial soil.
Ans	X A. lava flows	
	X B. sand particles	
	C. kanker nodules	
	X D. small bricks	
		Question ID : 1034359398 Status : Answered





ns	The first gold coins were issued around the first centur A. Cheras	, ===,
	X C. Guptas	
	X D. Cholas	
		Question ID : 1034359405
		Status : Answered
	Which festival is celebrated by the Nyishi tribe of the In Pradesh to welcome all the deities on earth and seek th	
ns	X A. Solung	
	✓ B. Nyokum	
	X C. Losar	
	X D. Mopin	
		Question ID : 1034359391
		Status : Answered
).28		of the Permanent Settlement.
Ins	X A. Mehtab Chand	
	X B. Bijay Chand Mahtab	
	ぐ C. Tejchand	
	X D. Uday Chand Mahtab	
		Question ID: 1034359403 Status: Not Answered
		Chosen Option :
		Giloseit Optioit





Ans	V A 1		conomy?
	X A. Increasing the money supply in the ecor		
	X B. Nationalisation of public financial institut	ions	
	C. Relaxing unnecessary government con	rol from the market and ecor	nomic institutions
	X D. A citizen-centric economic structure that	maximises welfare	
			Question ID : 1034359392 Status : Not Answered Chosen Option :
	Which of the following places became the 10 Pradesh in February 2022?	Oth 'Har Ghar Jal' district in	n Himachal
Ans	✓ A. Chamba		
	X B. Hamirpur		
	X C. Kinnaur		
	X D. Kangra		Question ID : 1034359395 Status : Answered
ection	n : Reasoning		



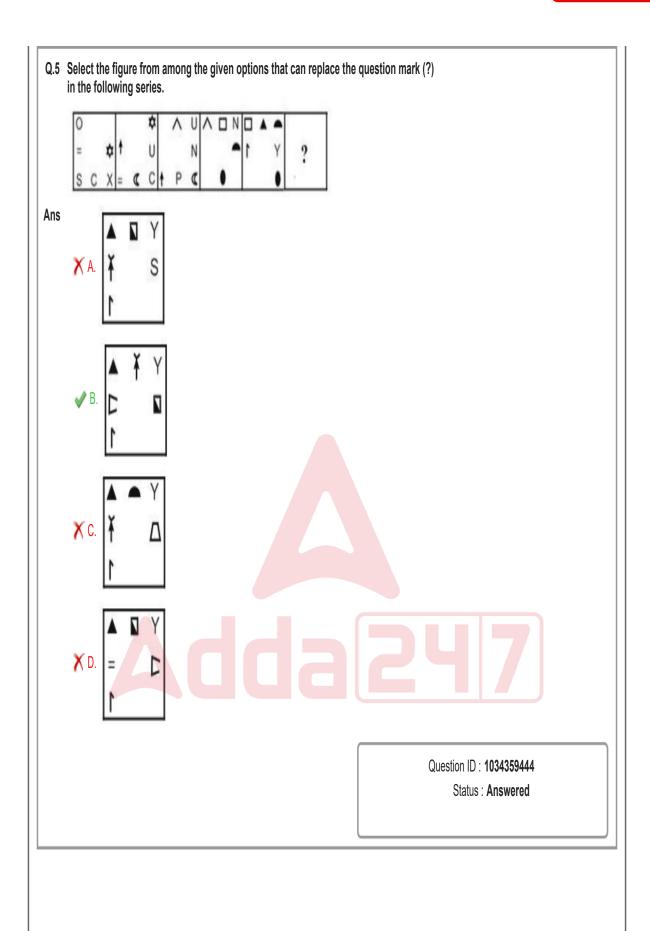
Q.1 Select the Venn diagram that best represents the relationship between the following classes. Natural numbers , Irrational numbers, Real numbers Ans Question ID: 1034359439 Status: Answered Q.2 In a certain code language, THURSDAY is written as ZBETSVIU. How will DAUGHTER be written in that language? Ans X A. RFTIHUAE X B. RETHGUAD ✓ C. SFUIHVBE X D. USFHIVAE Question ID: 1034359427 Status: Answered





	Select the option that is related to the third word in the same way is related to the first word. Russia: Moscow:: Norway:	y as the second word
Ans		
	X B. Ottawa	
	✓ C. Oslo	
	X D. Madrid	
		Question ID : 1034359425
		Status : Answered
۱	mother H is the wife of E and the daughter-in-law of J. E's sister' F. How is F related to J?	
Ans	X A. Wife	
	X B. Father-in-law	
	✓ C. Husband	
	X D. Brother-in-law	
		Question ID : 1034359429
		Question ID : 1034359429 Status : Answered









Q.6 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Unless a student scores more than 95% in Standard XII examination, it is less likely that she/he would be admitted to the Robbins College.

I. The admission of students scoring above 95% is almost guaranteed to the Robbins

II. It is difficult to get admission in the Robbins College.

III. Bright students prefer to be admitted into the Robbins College.

Ans X A. Both I and II are implicit.

X B. I, II and III are implicit.

C. Both II and III are implicit.

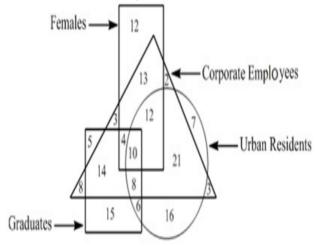
X D. Both I and III are implicit.

Question ID: 1034359433





Q.7 In the following diagram, the different shapes indicate different categories of persons and the numbers in different segments shows the number of persons.



How many graduate corporate employees are either females or urban residents but NOT both?

Ans X A. 24

X C. 14

X D. 8

Question ID: 1034359440

Status: Answered

Q.8 Aditya started from his tuition point, walks 17 m towards the north to reach the bakery then takes a right turn and walks 12 m to reach the bookstall after that he takes right turn again, walks 27 m and stops at his apartment. Roshan also starts from the same tuition point, walks 18 m towards the south to reach the library, then takes a left turn and walks 18 m before stopping at his apartment. What is the shortest distance between Roshan's apartment and Aditya's apartment?

Ans

√ A. 10 m

X B. 15 m

X C. 8 m

X D. 12 m

Question ID: 1034359443





Q.9	Identify the number that does NOT belong to the following series.	
Ans	1, 6, 10, 20, 47, 159, 741. A. 741	
- Allo	X B. 20	
	X C. 159	
	X D. 47	
		Question ID : 1034359436
		Status : Not Answered
		Chosen Option :
	Identify the letter-cluster that does NOT belong to the following seri	ies.
Ans	X A. FZRB	
	♦ B. XHLI	
	X C. BDOE	
	X D. TLIK	
		2 11 12 14 14 14 14
		Question ID : 1034359419 Status : Answered
_		





Q.11 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

- 1. Umbrella
- 2. Unconditional
- 3. Ubiquitous
- 4. Unfortunate
- 5. University

Ans A. 3, 1, 2, 4, 5

X B. 3, 2, 1, 5, 4

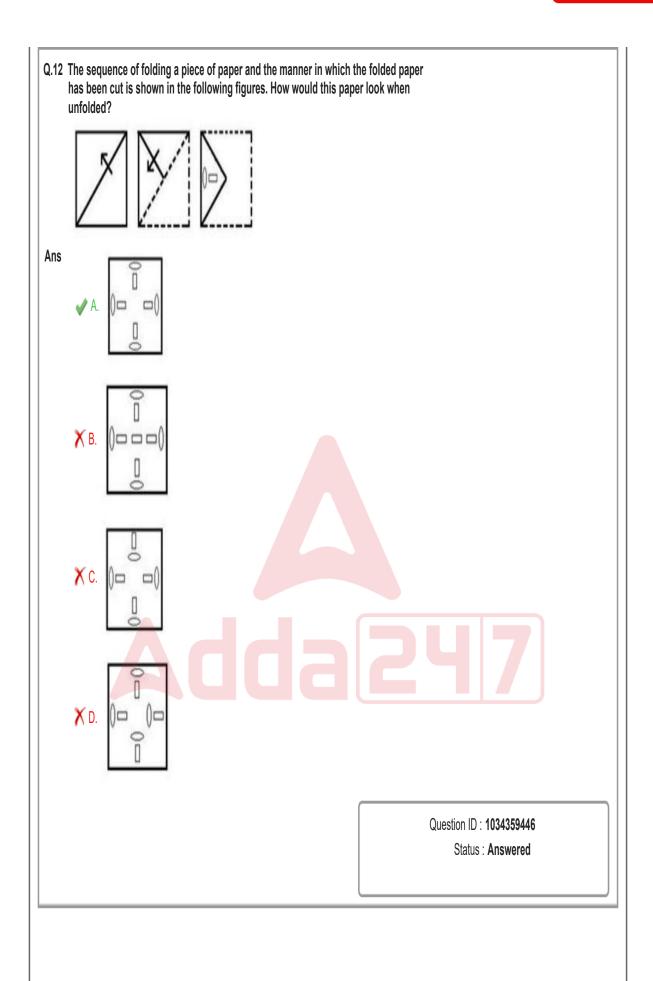
X C. 3, 2, 4, 5, 1

X D. 3, 1, 4, 2, 5

Question ID: 1034359420











Q.13 Eight persons, designated alphabetically from A to H, are sitting around a square table. Two persons are sitting on each side of the table, and all are facing the centre. B is facing H, who is to the left of D. C is facing G who is sitting adjacent to E. A is facing F who is to the immediate right of C. Who are the two persons between C and D?

Ans A. F and H

X B. A and H

X C. E and F

X D. B and F

Question ID: 1034359431

Status: Answered

Q.14 Select the correct mirror image of the given combination when the mirror is placed at line PQ as shown.

NOTIFICATION

Ans

NOTIFICATION AV

NOTIFIOATICN 8X

XC NOTIFICATION

XD NOTIFIOATICN

Question ID: 1034359447



Q.15 Four letter-clusters pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans X A. POUR : QLFO

X B. STEM: LGVR

X C. RAIN: MZRQ

✓ D. MOST : SHLL

Question ID: 1034359422

Status: Answered

Q.16 Select the option in which the words share the same relationship as that shared by the given pair of words.

A. Enormous : Mammoth

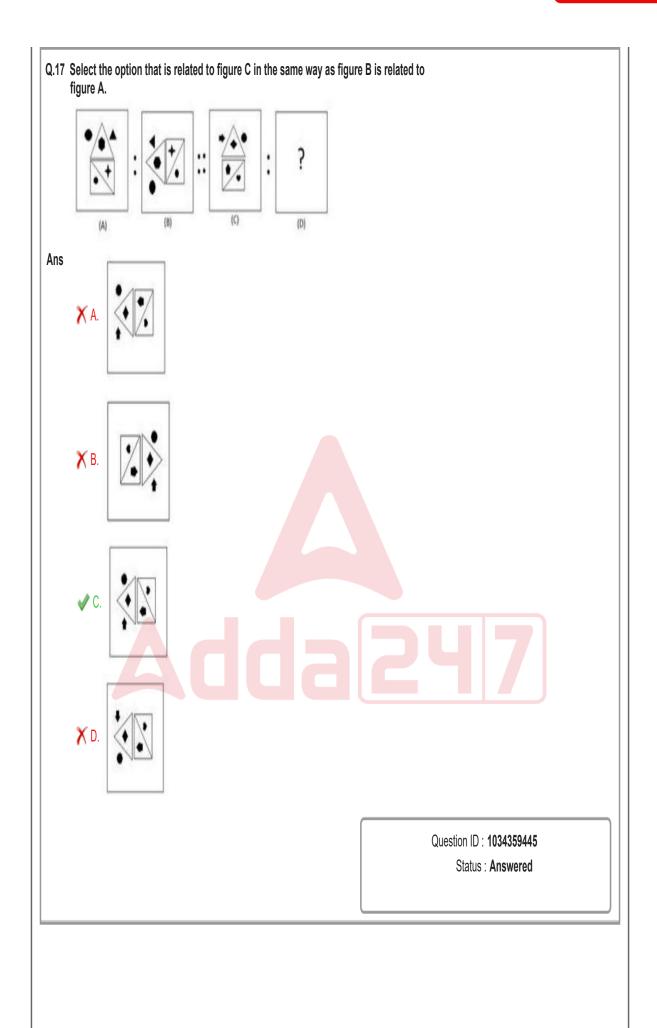
X B. Deceit: Sincerity

X C. Adversity: Prosperity

X D. Concede : Reject

Question ID: 1034359426







	Select the letter-cluster from among the given options that can repmark (?) in the following series. DOVE, GLYB, JIBY, MFEV, ?	place the question
Ans	✓ A. PCHS	
	X B. PHIY	
	X C. JCHY	
	X D. PIHY	
		Question ID : 1034359418
		Status : Answered
Q.19	Select the option that is related to the third term in the same way a	is the second term is
	related to the first term. TRIP: IPRT:: MELT:	
Ans	✓ A. ELMT	
	X B. TELM	
	X C. TLME	
	X D. ELTM	
		Question ID : 1034359424
		Status : Answered
Q.20	Four number triads have been given, out of which three are alike is one is different. Select the one that is different.	
	one is different. Select the one that is different.	
	one is different. Select the one that is different. A. (9, 5, 125)	
Q.20 Ans	one is different. Select the one that is different. A. (9, 5, 125) B. (5, 3, 45)	



Q.21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some colonies are villages.

Some villages are cities.

Conclusions:

I. No city is a colony.

II. All villages are colonies.

III. Some cities are colonies.

Ans X A. Only conclusion II follows.

X B. Conclusions I, II and III follow.

X C. Only conclusion I follows.

D. Either conclusion I or III follows.

Question ID: 1034359432

Status: Answered

Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some islands are countries.

All states are islands.

All countries are peninsulas.

Conclusions:

- I. Some states are countries.
- II. Some peninsulas are islands
- III. No state is a peninsula.

Ans A. Only conclusion II follows.

X B. Both conclusions I and II follow.

X C. Only conclusion I follows.

X D. Both conclusions II and III follow.

Question ID: 1034359434



	Select the number from among the given o (?) in the following series. 17, 18, 27, 52, 101, 182, ?	ions that can replace the question mark
Ans	✓ A. 303	
	X B. 305	
	X C. 350	
	X D. 330	
		Question ID : 1034359435 Status : Answered
		chara a different relationship from that
	Select the word-pair in which the two wordshared by the two words in the rest of the words. A. Conchology: Mountains	
	shared by the two words in the rest of the	
	shared by the two words in the rest of the way A. Conchology: Mountains	
	shared by the two words in the rest of the way A. Conchology: Mountains **B. Pathology: Diseases	



Q.25 Archana starts from her home and walks 36 m towards the east to reach the Bus stop. From the bus stop she takes a left turn and walks 20 m to reach the parking area and then she takes right turn and walks 24 m to reach the garden and again she takes right turn and walks 26 m and again takes right turn and reaches the temple. If it is given that her house is north of where she ends her journey, then what is the distance between her house and temple?

Ans X A. 3 m

X B. 4 m

X C. 5 m

⊘ D. 6 m

Question ID: 1034359442

Status: Not Answered

Chosen Option: --

Q.26 Four words have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans 🗳 A. Litchi

X B. Jasmine

X C. Hibiscus

X D. Daffodils

Question ID: 1034359421





Q.27 Mr. Vipin Chakravarthi, sports trainer of a high school has to select three students out of six shortlisted students, Ankit, Kavya, Rahul, Rupali, Pavani and Sanchit, to represent the school in interschool (under 16) sports competition. Ankit, Rahul and Sanchit are boys and Kavya, Pavani and Rupali are girls. There are following conditions for the selection of the students:

- (i) There should be at least one boy and one girl in the team.
- (ii) If Ankit is selected, Rahul cannot be selected.
- (iii) Neither Sanchit nor Pavani can be selected unless the other is also selected.
- (iv) If Kavya is selected, Rupali must also be selected and vice versa.

Which of the following teams meet the required conditions?

A. Sanchit, Pavani and Ankit

- X B. Rahul, Kavya and Pavani
- X C. Ankit, Pavani and Rupali
- X D. Sanchit, Kavya and Pavani

Question ID: 1034359430

Status: Answered

Q.28 A shopping mall has 8 branches in a city. Branch B7 is 5 km north of Branch B5. Branch B2 is 8 km east of Branch B7. Branch B3 is 8 km west of Branch B8. Branch B2 is 14 km north of Branch B8. Branch B4 is 6 km west of Branch B6. Branch B1 is 5 km north of Branch B4. Branch B5 is 12 km east of Branch B1. What is the direction of branch B4 with respect to branch B7?

X A. South-east

X B. South

C. South-west

X D. North

Question ID: 1034359441



Q.29	In a certain code language, 'CONSIDER' is coded as '387'. How will 'FRICTION' be coded in that language?
Ans	✓ A. 366
	X B. 356
	X C. 336
	X D. 346
	Question ID : 1034359428 Status : Answered
Q.30	Select the option that is related to the fourth number in the same way as the first number is related to the second number and fifth number is related to sixth number. 12:576::?:1944::6:72
Ans	X A. 16
	X B. 20
	X C. 14
	✓ D. 18
Saction	Question ID : 1034359438 Status : Answered on : General Engineering
_	
Q.1 Ans	Apart from chromium, stainless steels have as their major alloying element. X A. radium
	X B. molybdenum
	✓ C. nickel
	★ D. manganese
	Question ID : 1034359477 Status : Not Answered Chosen Option :





Q.2	In magnetic circuits, the unit of specific reluctance is
Ans	X A. Wb/m ²
	X B. henry/metre
	✓ C. metre/henry
	X D. Wb/A
	Question ID : 1034359460
	Status : Answered
Q.3	Consider the following statements with respect to the variation of viscosity of fluids with temperature and identify the correct option. Statement A: The viscosity of liquids decreases with the increase of temperature. Statement B: The viscosity of gases decreases with the increase of temperature.
Ans	A. Statement A is correct and B is incorrect.
	X B. Statement B is correct and A is incorrect.
	X C. Both the statements are correct.
	X D. Both the statements are incorrect.
	Question ID : 1034359452 Status : Not Answered Chosen Option :
Q.4	Which of the following is the type of soil that has been deposited from suspension in running water?
Ans	✓ A. Alluvial soil
	X B. Lacustrine soil
	X C. Colluvial soil
	X D. Glacial soil
	Question ID : 1034359451 Status : Answered



Q.5 Ans	Capillary tubes and throttling valves are types of X A. evaporation devices
Allo	X B. heat generation devices
	✓ C. expansion devices
	X D. leakage restriction devices
	D. Icanage resultation devices
	Question ID : 1034359472
	Status : Answered
Q.6	Which of the following is NOT an example of a discharge lamp?
Ans	X A. Neon-gas lamp
	X B. Mercury vapour lamp
	X C. Fluorescent lamp
	✓ D. Tungsten filament lamp
	0 11 12 1444444
	Question ID : 1034359466 Status : Answered
_	
Q.7	For a power plant, the ratio of the maximum generator demand to the generator capacity is called
Ans	X A. load factor
	X B. demand factor
	X C. diversity factor
	✓ D. utilization factor
	Question ID : 1034359465 Status : Answered
	Cidids . Allawold



).8 ns	Which of the following methods of irrigation results in less evapo A. Flooding by contour laterals	ration losses?
	X B. Free flooding from field channels method	
	✓ C. Furrow method	
	X D. Zigzag method	
		Question ID : 1034359453
		Status: Not Answered
		Chosen Option :
Q.9	The study pertaining to the physical sciences of the body at rest of subjected to the action of forces is known as	or in motion
Ans	A. engineering mechanics	
	X B. engineering graphics	
	X C. engineering analysis	
	X D. engineering experimentation	
		Question ID : 1034359468
		Status : Not Answered Chosen Option :
Q.10	Which of the following I beam sections is heavy in weight for the	same depth of beam?
Ans	✓ A. ISHB	
	X B. ISTB	
	X C. ISMB	
	X D. ISNB	
		Question ID : 1034359457
		Status: Not Answered
		Chosen Option :



Q.11 The COP of a Carnot heat pump working between 27°C and 327°C is _____. Ans X A. 1.0 **✓** B. 2.0 X C. 1.5 X D. 0.5 Question ID: 1034359473 Status: Not Answered Chosen Option: --Q.12 An alternating current is given by the expression i(t) = 60 sin 314t. Calculate the frequency. Ans X A. 25 Hz X C. 100 Hz X D. 500 Hz Question ID: 1034359461 Status: Not Answered Chosen Option: --Q.13 For $v_1(t) = 50 \sin (\omega t + 10^\circ)$ and $v_2(t) = 20 \sin (\omega t + 50^\circ)$, which of the following statements is true? Ans X A. V₁ leads V₂ \nearrow B. V_2 and V_1 are in phase ✓ C. V₂ leads V₁ X D. V₂ lags V₁ Question ID: 1034359462 Status: Not Answered Chosen Option: --





Q.14	In a diffuser of nozzle, kinetic energy is converted into en	ergy.
Ans	✓ A. pressure	
	X B. stagnant	
	X C. flow	
	X D. potential	
		Question ID : 1034359474
		Status: Not Answered
		Chosen Option :
).15	Which of the following material CANNOT be used as an insulator	?
Ans	X A. Glass	
	X B. Mica	
	C. Copper	
	X D. Rubber	
		Question ID : 1034359458
		Status : Not Answered
		Chosen Option :
Q.16	Which of the following statements is NOT correct with respect to stones?	properties of building
Ans	X A. Fine grained stones with homogeneous distribution look attractive, and hence they are used for carving.	
	→ B. Indian standard code recommends a minimum crushing strength of 1.5 N/mm ² for all building stones.	
	C. Generally denser stones are stronger in nature.	
	X D. Marble and granite give good appearance when polished	
		0 11 15 100000
		Question ID : 1034359448
		Question ID : 1034359448 Status : Not Answered



Q.17	Which of the following is the correct unit of measurement fo work: 'brick work in foundation and plinth'?	r the following item of
Ans	X A. Numbers	
	X C. Running metre	
	X D. Square metre	
		Question ID : 1034359449 Status : Not Answered
		Chosen Option :
_		Onoson Option
2.18	As per IS 10500:2012 (drinking water specifications), the per colour in the absence of alternate source is	missible limit for the
Ans	X A. 50 Hazen units	
	✓ B. 15 Hazen units	
	C. 5 Hazen units	
	X D. 25 Hazen units	
		Question ID : 1034359455
		Status : Not Answered
		Chosen Option :
1 0	is the cross-sectional element of a highway that prov	rides lateral confinement
X.13	to the granular base course of a flexible pavement, which is	
۱	pavement edge and the shoulder.	
Ans	X A. Camber	
	X B. Carriage way	
	C. Guard rail	
	D. Kerb	
		Question ID : 1034359454
		■ QUG3UUI ID . IUJ+JJJ+J +
		Status : Not Answered



Q.20 A 100 Ω resistor and a 25 Ω resistor are connected in parallel. What will be the effective resistance of the parallel connection?

Ans X A. 12.5 Ω

X B. 125 Ω

X C. 25 Ω

J D. 20 Ω

Question ID: 1034359459

Status: Not Answered

Chosen Option: --

Q.21 What is the use of open cross staff in chain surveying?

Ans X A. To find the direction of a line with respect to true north

X B. To find the reduced level (RL) at the required point on a chain line

C. To set out offset lines at right angles to a chain line

X D. To set out points of equal elevation on a chain line

Question ID: 1034359450

Status: Not Answered

Chosen Option: --

Q.22 A 100:5 current transformer is used in conjunction with a 5 A ammeter. If the later reads 3.5 A, find the line current.

Δns

✓ A. 70 A

X B. 1.75 A

X C. 0.175 A

X D. 7 A

Question ID: 1034359464

Status: Not Answered



1.23 Ins	Which of the following is NOT a valid advantage of moving iron inst A. Uniform scale	ruments?
	X B. Can be used for AC as well as DC measurements	
	X C. Low cost	
	X D. High operating torque	
		Question ID : 1034359463 Status : Not Answered Chosen Option :
24 ns	Which of the following is NOT a mode of heat transfer? ✓ A. Vibration	
	X B. Radiation	
	X C. Conduction	
	X D. Convection	
		Question ID : 1034359475 Status : Not Answered Chosen Option :
.25 ns	The direction of the natural process is defined by X A. third law of thermodynamics	
	X B. zeroth law of thermodynamics	
	C. second law of thermodynamics	
	X D. first law of thermodynamics	
		Question ID : 1034359471 Status : Not Answered Chosen Option :



Q.26	For a BJT with common base connection, the emitter current is 1 mA circuit is open, the collector current is 50 $\mu A.$ Find the total collector 0.92.	
Ans	X A. 0.87 mA	
	X B. 1.05 mA	
	✓ C. 0.97 mA	
	X D. 0.92 mA	
		Question ID: 1034359467 Status: Not Answered Chosen Option:
Q.27	Which of the following types of concrete exhibits better toughness p be used in structures subjected to fatigue loads?	roperty and can
Ans		
	X B. Self-compacting concrete.	
	C. Fibre reinforced concrete	
	X D. Plain cement concrete	
	Adda	Question ID : 1034359456 Status : Not Answered Chosen Option :
Q.28	Which of the following is NOT a type of blade orientation of impeller?	
Ans	A. Circular	
	X B. Forward curved	
	X C. Radial	
	X D. Backward curved	
		Question ID : 1034359476 Status : Not Answered Chosen Option :





Q.29 Which of the following is NOT true pertaining to pure substances?

Ans X A. The substances have fixed boiling and melting points.

predictable products.

X C. Pure substances are mostly homogeneous in nature containing only one type of atom or molecule.

X D. These substances mainly have a constant or uniform composition throughout.

Question ID: 1034359469

Status: Not Answered

Chosen Option: --

Q.30 Which of the following is NOT an energy transport mechanism?

Ans X A. Mass flow

X B. Work

X C. Heat

D. Fluid pressure

Question ID: 1034359470

Status: Not Answered

Chosen Option: --

Section: Domain Knowledge

Q.1 Which of the following is NOT observed in a permanent-split single-phase capacitor motor?

Ans X A. Squirrel-cage rotor

X B. High power factor

C. Centrifugal switch

X D. Starting winding

Question ID: 1034359527



	For a common emitter configuration of BJT, the DC load lin	ne is the plot of:
Ans	V 0 0E	
	X B. V _{BE} - I _B X C. V _{BE} - I _C	
	X D. I _B - I _C	
	V ∩ 1B - 1C	
		Question ID : 1034359578
		Status : Answered
Q.3	The owner of every overhead line shall ensure that the min metal support is	imum factors of safety for
Ans	X A. 2.5	
	X B. 3	
	✓ C. 1.5	
	X D.2	
		Question ID : 1034359555 Status : Answered
		Status . Answereu
_		
Q.4	Identify whether the given statements related to the common BJT are true or false.	on collector configuration of
	1. Voltage gain is less than unity. 2. Input resistance is very low.	
Ans	✓ A. 1-true, 2-false	
	X B. 1–true, 2–true	
	X C. 1–false, 2–false	
	X D. 1-false, 2-true	
		Question ID : 1034359577 Status : Answered



y.5 Ins	Which of the following parts is NOT found in a steam p A. Air-preheater	ower plant?
	X B. Economiser	
	✓ C. Heavy water reactor	
	X D. Superheater	
		Question ID : 1034359539
		Status : Answered
_		
Q.6	The maximum demand on a power station is 25 MW. If plant capacity factor is 50%, calculate the reserve capa	
Ans	X A. 15 MW	
	X B. 30 MW	
	✓ C. 5 MW	
	X D. 25 MW	
		Question ID : 1034359549 Status : Answered
		Olalus . Allswelled
_		
Q.7	Which of the following is NOT a suitable material for th heating?	e heating element in resistance
Ans	✓ A. Silver	
	X B. Nichrome	
	X C. Tungsten	
	X D. Silicon carbide	
		Question ID : 1034359561
		Status : Answered





Q.8 Which of the following statements related to DC shunt motor is INCORRECT?

X A. The torque-armature current is a straight line.

X B. The torque is inversely proportional to the current.

C. It is not suitable for heavy duty starting.

X D. The torque is zero for zero armature current.

Question ID: 1034359572

Status: Answered

Q.9 In a synchronous machine, if the coil is full-pitched, the two sides of the coil are electrical degree apart.

Ans

X A. 30

X B. 45

√ C. 180

X D. 90

Question ID: 1034359530

Status: Answered

Q.10 In a three-phase supply, V_{bn} = 110 \angle 30° V. Assuming a positive sequence, find V_{cn} .

Ans ♦ A. 110 ∠-90° V

X B. 110 ∠-30° V

X C. 110 ∠150° V

X D. 110 ∠120° V

Question ID: 1034359502

Status: Not Answered





	When a delta network is converted into an equivalent star network, are found to have the same value as 330 Ω . What will be the value or resistors in the delta network?	
Ans	Χ Α. 110 Ω, 110 Ω, 110 Ω	
	Χ Β. 330 Ω, 330 Ω, 330 Ω	
	√ C. 990 Ω, 990 Ω, 990 Ω	
	Χ D. 220 Ω, 220 Ω, 220 Ω	
		Question ID : 1034359487 Status : Answered
Q.12	For the same output, a single-phase induction motor is about corresponding three-phase induction motor.	_ than a
Ans	X A. 30% smaller	
	X B. 3% smaller	
	✓ C. 30% larger	
	X D. 3% larger	
		Question ID : 1034359525
	Adda	Status : Answered
Q.13	Which of the following gauges is used for calibration of other gauge measurement?	es in vacuum
Ans	X A. Ionisation gauge	
	X C. Thermocouple gauge	
	X D. Pirani gauge	
		Question ID : 1034359584
		Status : Answered





Q.14 Which of the following CANNOT be used for power factor improvement? Ans X A. Synchronous condenser X B. Phase advancer C. Inductor bank X D. Static capacitor Question ID: 1034359542 Status: Answered Q.15 Identify whether the given statements are true or false. 1. The Merz-Price calculating current principle is more suitable for generators than transformers. 2. The differential protection scheme for longer lines is very cheap. ✓ A. 1–True, 2–False X B. 1-True, 2-True X C. 1-False, 2-False X D. 1-False, 2-True Question ID: 1034359553 Status: Answered Q.16 In which of the following aspects is DC welding more advantageous than AC welding? A. Arc stability X B. Power consumption X C. Efficiency X D. Cost Question ID: 1034359563 Status: Answered





Q.17 In which of the following aspects are transistors superior to vacuum tubes? Ans X A. Input impedance X B. Power dissipation X C. Temperature dependence D. Voltage gain Question ID: 1034359579 Status: Not Answered Chosen Option: --Q.18 In case of PT, if the load on the secondary side increases, then: ✓ A. both the ratio error and the phase angle increase X B. the ratio error decreases but the phase angle increases X C. both the ratio error and the phase angle decrease X D. the ratio error increases but the phase angle decreases Question ID: 1034359512 Status: Answered Q.19 The following diodes are operated in reverse biased condition, EXCEPT ____ A. Tunnel diode X B. Zener diode X C. Photo diode X D. Varactor diode Question ID: 1034359573 Status: Answered





Q.20 A steel ring with a 5 cm 2 cross-sectional area is wound uniformly with 600 turns of wire carrying a current of 300 mA. Find the MMF.

Ans X A. 1800 AT

X B. 200 AT

✓ C. 180 AT

X D. 1500 AT

Question ID: 1034359493

Status: Answered

Q.21 In a DC machine, an 8-pole lap connected armature has 960 conductors, a flux of 40 mWb per pole and a speed of 400 rpm. Determine the EMF generated.

X B. 128 V

X C. 64 V

X D. 512 V

Question ID: 1034359523

Status: Answered

- Q.22 Identify whether the given statements are true of false.
 - 1. In a Y-connected load, the line current and phase current are equal.
 - 2. In a balanced three-phase circuit, the total instantaneous power is equal to the average power.

X A. 1-true, 2-false

X B. 1-false, 2-false

C. 1-true, 2-true

X D. 1-false, 2-true

Question ID: 1034359505





IS	X A. negative	
	X B. zero	
	C. between zero and unity	
	✓ D. greater than unity	
		Question ID : 1034359540 Status : Answered
		olalus . Aliswoleu
_		
	In circuit breakers, which of the following methods is a NOT a correct increasing arc resistance?	t method of
ns	A. Shortening the arc	
	X B. Cooling the arc	
	C. Reducing the cross-section of the arc	
	X D. Splitting the arc	
		Question ID : 1034359547
		Status : Answered
25	In case of a star delta starter used for induction motors, the starting	torque is
ns	X A. half of the final torque	
	X C. three times the final torque	
	X D. twice the final torque	
		Question ID : 1034359524
		Status : Answered





(. 4 0	As per the IE 1956, a clear space of not less than front of a switchboard.	_ in width shall be provided in
Ans	✓ A. 1 m	
	X B. 4 m	
	X C. 2 m	
	X D. 3 m	
		Question ID : 1034359554 Status : Answered
		outus . Anonoru
_		
).27	In alternators, in case of zero power factor leading loads	s, the armature reaction is
Ans	✓ A. wholly magnetising	
	X B. unpredictable	
	X C. distortional	
	X D. wholly demagnetising	
		Question ID : 1034359531
		Status : Answered
2.28	Which of the following is NOT a valid method for speed	control of a universal motor?
Ans	X A. Resistance method	
	B. Shaded pole mechanism	
	C. Tapping-field method	
	X D. Centrifugal mechanism	
		O 1 ID 4004070700
		Question ID : 1034359529
		Status : Answered



	The skin effect is most dominantly observed in	
Ans	A. induction heating	
	X B. resistance heating	
	X C. dielectric heating	
	X D. infrared heating	
		Question ID : 1034359562
		Status : Answered
).30	When a star-delta starter is used to start a three-pha conductors are required between the starter and mo	
Ans		
	X B. 3	
	X C. 2	
	✓ D. 6	
		Question ID : 1034359558
		Status : Answered
).31	As per IE rules, the maximum fluctuation in the 50 H	z supply frequency must be within
۱na	- A + 20/	
Ans	A. ± 3%	
	X B. ± 5%	
	X C. ± 1%	
	X C. ± 1%	Question ID : 1034359556
	X C. ± 1%	Question ID : 1034359556 Status : Answered





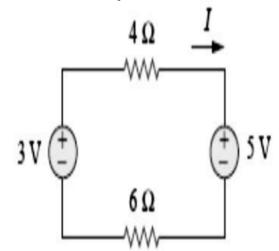
Q.32	Which of the following statements related to dynamometer type wattmeter is INCORRECT?
Ans	X A. The pressure coil is a moving coil.
	X B. Air friction damping is used.
	C. It can be used only for AC circuits.
	X D. Both the coils are air cored.
	Question ID : 1034359508
	Status : Answered
Q.33	A ring-shaped core with a cross-sectional area of 2 cm ² has a flux density of 5 T. Find the flux in the core.
Ans	✓ A. 0.001 Wb
	X B. 10 Wb
	X C. 0.01 Wb
	X D. 1 Wb
	Question ID : 1034359492
	Status : Answered
_	
Q.34	The output impedance of the AF oscillators and RF oscillators are usually and
Ans	, respectively. \checkmark A. 600 $Ω$, 50 $Ω$
Allo	X B. 500 Ω, 100 Ω
	× C. 100 Ω, 500 Ω
	·
	Χ D. 50 Ω, 600 Ω
	Question ID : 1034359513
	Status : Answered



).35 Ans	Find the value of β for a BJT having α = 0.99. \checkmark A. 99	
	X B. 0.99	
	X C. 9.0	
	X D. 9.9	
		Question ID : 1034359576
		Status : Answered
200	William Colonia Coloni	had danielden o
2.36 Ans	Which of the following materials has a positive temperature coeffice A. Manganin	IEIIL OI FESISTANCE?
	X B. Silicon	
	X C. Mica	
	X D. Germanium	
		Question ID : 1034359479
		Status : Answered
_		
	A three-phase motor draws 5.6 kW power when subjected to the ap 7000 W. Find the power factor.	parent power of
Ans	X A. 0.6	
	X B. 0.9	
	X C. 0.7	
	✓ D. 0.8	
	V	
		Question ID : 1034359503
		Status : Not Answered
		Chosen Option :







Ans X A. 0.2 A

X B. -0.8 A

✓ C. −0.2 A

X D. 0.8 A

Question ID: 1034359485

Status: Answered

Q.39 A 250 V lamp has a total flux of 2500 lumens and it takes a current of 500 mA. Find lumens per watt.

Ans X A. 15

X B. 10

X C. 30

✓ D. 20

Question ID: 1034359571





To reduce the loading error of the voltmeter to less than 1%, the resi voltmeter should be at least as large as the resistance of the the voltage is being measured.	path across which
A. 10 times	
X C. 1000 times	
X D. 20 times	
	Question ID : 1034359511 Status : Answered
What should be the value of the slip (s) for an induction machine to brake?	act as an electric
3 √ A. S > 1	
X B. S < 0	
X C. S = 0	
X D. 0 < s < 1	
Adda	Question ID : 1034359520 Status : Answered
2 Among the given options, Ohm's law is applicable for only.	
✓ B. copper	
X C. silicon	
X D. silicon carbide	
	Question ID : 1034359478
	Status : Answered
1 3	the voltage is being measured. A. 10 times B. 100 times C. 1000 times D. 20 times What should be the value of the slip (s) for an induction machine to brake? A. S > 1 B. S < 0 C. S = 0 D. 0 < s < 1 Among the given options, Ohm's law is applicable for only. A. germanium B. copper C. silicon

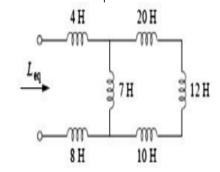




1.43 Ins	Rothert's MMF method is used for finding the voltage A. DC generator	e regulation of:
	X B. transformer	
	X C. induction motor	
	✓ D. alternator	
		Ougstion ID : 4024250522
		Question ID : 1034359533 Status : Answered
.44	What will be the peak value of the sinusoidal voltage	if the RMS value of the signal is
	100 V?	3
ns	X A. 200 V	
	♦ B. 141.2 V	
	X C. 100 V	
	X D. 70.71 V	
		Question ID : 1034359499
		Status : Answered
.45	The colour code used for the pipelines for electrical	services and ventilation ducts is
ns	X A. silver	
	X B. black	
	C. orange	
	X D. green	
		Question ID : 1034359557
		Status : Answered



Q.46 Find the value of L_{eq} in the given circuit:



X B. 24 H

X C. 12 H

X D. 6 H

Question ID: 1034359483

Status: Answered

Q.47 In circuit breakers, the ratio of the making capacity to the symmetrical breaking capacity is approximately _____.

Ans X A. 1.55

✔ B. 2.55

X C. 3.55

X D. 4.55

Question ID: 1034359550





	★ A. Pascal★ B. Newton	
	X C. Torr	
	X D. Bar	
		Question ID : 1034359582 Status : Answered
49	In DC machines, copper losses take place in:	
ns	X A. armature conductors and series field winding	
	X B. armature conductors and shunt field winding	
	X C. armature conductors	
	D. armature conductors, series field winding and shunt field winding	
	Between two mutually coupled coils, if the mutual inductance is maximul value of the coefficient of coupling between the coils is:	Question ID : 1034359516 Status : Answered m, then the
lns	X A. 0	
	X B. 0.5	
	✓ C. 1.0	
	X D. 0.75	
		Question ID : 1034359495 Status : Not Answered





Q.51 Bulk oil circuit breakers are advantageous over low oil circuit breakers if compared on the basis of the: Ans X A. quantity of oil required X B. space requirement C. degree of carbonisation X D. risk of fire Question ID: 1034359548 Status: Answered Q.52 In DC motors, which of the following types of braking is called plugging? Ans X A. Rheostatic braking X B. Friction braking C. Reverse current braking X D. Regenerative braking Question ID: 1034359522 Status: Not Answered Chosen Option: --Q.53 1000 Torr = Ans X A. 1 Micron X B. 100 mm of Hg X C. 10 mm of Hg ✓ D. 1000 mm of Hg Question ID: 1034359583 Status: Not Answered Chosen Option: --





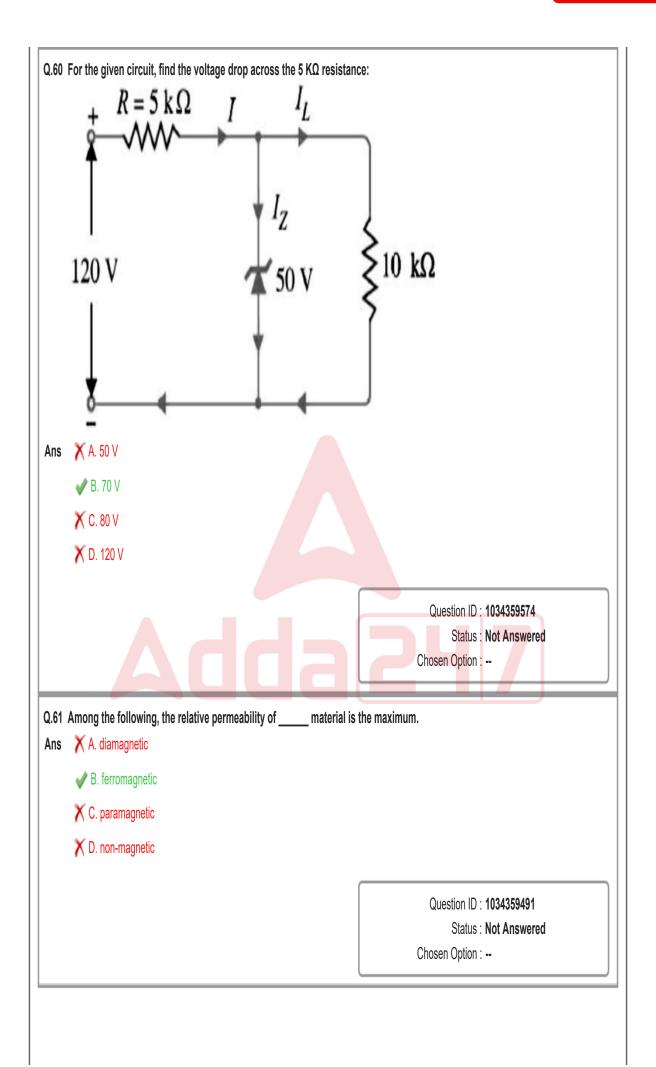
Q.54 Which of the following connections in a three-phase transformer is known as the Scott connection? Ans X A. Y-Y connection X B. V-V connection C. T-T connection X D. Δ-Δ connection Question ID: 1034359519 Status: Not Answered Chosen Option: --Q.55 What is the upward and downward lighting distribution in the semi-indirect type of lighting arrangement? ✓ A. 60-90% upwards, 10-40% downwards X B. 90-100% upwards, 0-10% downwards X C. 10-40% upwards, 60-90% downwards X D. 0-10% upwards, 90-100% downwards Question ID: 1034359559 Status: Not Answered Chosen Option: --Q.56 Universal motors of sizes 0.25 HP or less are suitable for X A. pressing machine X B. elevators X C. cranes D. electric hand drills Question ID: 1034359568 Status: Not Answered Chosen Option: --





Q.57	Which of the following is NOT a valid advantage of a AC transport transmission system?	nsmission system over a
Ans	X A. Power can be generated at high voltages.	
	X B. Voltages can be stepped up or stepped down with ease a	and efficiency.
	C. Copper requirement is lesser than the DC line.	
	X D. Maintenance of AC substation is easy and cheaper.	
		Question ID : 1034359528 Status : Not Answered Chosen Option :
Q.58	The capacitor start capacitor run motor is NOT suitable for_	
Ans	X A. pumps	
	X B. compressors	
	C. hair driers	
	X D. conveyors	
		Question ID : 1034359526 Status : Not Answered Chosen Option :
Q.59	The maximum demand on a power station is 100 MW. If the a calculate the total energy generated in a year.	annual load factor is 50%,
Ans	X A. 4380×10 ⁴ kWh	
	X B. 4380×10 ⁶ kWh	
	X C. 4380×10 ³ kWh	
	✓ D. 4380×10 ⁵ kWh	
		Question ID : 1034359541 Status : Not Answered Chosen Option :









Q.62 An alternating voltage is given by the expression $v(t) = 100 \sin 314t$. Calculate the time period. Ans X A. 100 mS X C. 10 mS X D. 40 mS Question ID: 1034359498 Status: Not Answered Chosen Option: --Q.63 Which of the following is a variable area type flowmeter? Ans X A. Venturimeter X B. Orifice meter C. Rotameter X D. Electromagnetic flowmeter Question ID: 1034359586 Status: Not Answered Chosen Option: --Q.64 In which of the following pairs of networks are the networks mentioned the same? Ans X A. Y-Network and Δ-Network

X C. T-Network and Δ-Network

X D. Y-Network and π-Network

Question ID: 1034359486

Status: Not Answered





S	X A. focusing anode	
	✓ B. grid	
	X C. horizontal deflection plates	
	X D. vertical deflection plates	
		Question ID: 1034359507 Status: Not Answered Chosen Option:
	Which of the following draughts does NOT require the	e use of a fan?
Ans	X A. Balanced draught	
	C. Induced draught	
	X D. Forced draught	
		Question ID : 1034359538 Status : Not Answered Chosen Option :
Q.67	A relay is connected to a 400/5 current transformer at fault current of 2400 A, the plug-setting multiplier is:	
Ans	X A. 3	
	X B. 6	
	✓ C. 4	
	X D. 5	
		Question ID : 1034359551 Status : Not Answered



Ans	✓ A. flux	
	X B. flux density	
	X C. permeance	
	X D. specific reluctance	
		Question ID : 1034359490 Status : Not Answered Chosen Option :
2.69	The polarity of the voltage induced in the generation mode of the DC ma	chine is given
Ans	by X A. Lenz's law	
	B. Fleming's right-hand rule	
	X C. Faraday's law	
	X D. Kirchhoffs law	
		Question ID : 1034359515
		Status : Not Answered Chosen Option :
		Chosen Option
Q.70	Two coils having self-inductances of 9 H and 4 H, respectively, are coupl way that the coefficient of coupling is 0.5. Find the mutual inductance.	ed in such a
Ans	√ A. 3 H	
	X B. 6 H	
	X C. 18 H	
	X D. 12 H	
		Question ID : 1034359497
		Status: Not Answered
		Chosen Option :





Q.71 Ans	71 In alternators, the synchronous reactance is nothing but A. the armature resistance only	
71110	X B. the armature reactance only	
	X C. the leakage reactance only	
	•	
		ID : 1034359532
		us : Not Answered
	Chosen Opti	011
	72 A conductor of length 50 cm moves in a uniform magnetic field of density 1.1 T at a velocity of 30 m/s. Calculate the induced voltage in the conductor when the direction of motion is perpendicular to the field.	
Ans	ns 🗳 A. 16.5 V	
	X B. 0 V	
	X C. 1.65 V	
	X D. 165 V	
		ID : 1034359496 us : Not Answered on :
	73 Which of the following is a desirable property of the insulating materials used in cables?	
Ans		
	X B. Low resistance	
	X C. Low dielectric strength	
	✓ D. Non-hygroscopic	
		ID : 1034359544 us : Not Answered on :



Q.74 Which of the following bridges is also used in an oscillator? Ans X A. Schering bridge X C. Hay's bridge X D. Maxwell's bridge Question ID: 1034359510 Status: Not Answered Chosen Option: --Q.75 A series RLC circuit has R = 50 Ω , X_C = 30 Ω and X_L = 40 Ω . The impedance of the circuit is: **Ans X** A. 50 – j 70 Ω X B. 50 - j 10 Ω X C. 50 + j 70 Ω **V** D. 50 + j 10 Ω Question ID: 1034359501 Status: Not Answered Chosen Option: --Q.76 Which of the following is NOT a characteristic of a slip ring induction motor?

Ans X A. High starting torque

✓ B. High efficiency

X C. High cost

X D. High maintenance

Question ID: 1034359517

Status: Not Answered





Q.77 Identify whether the given statements related to alternators are true or false. 1. Pitch factor is always less than unity. 2. The efficiency of an alternator always increases with the power. A. 1-true, 2-true X B. 1-false, 2-true X C. 1-true, 2-false X D. 1-false, 2-false Question ID: 1034359535 Status: Not Answered Chosen Option: --Q.78 How much energy does a 100 W electric bulb consume in two hours? Ans X A. 72 kJ **⊘** B. 720 kJ X C. 36 kJ X D. 360 kJ Question ID: 1034359480 Status: Not Answered Chosen Option: --Q.79 A 25 kVA transformer has 50 turns on the secondary winding and 500 turns on the primary winding. Find the voltage transformation ratio. **Ans** X A. 0.9 **⊘** B. 0.1 X C. 1.0 X D. 0.5

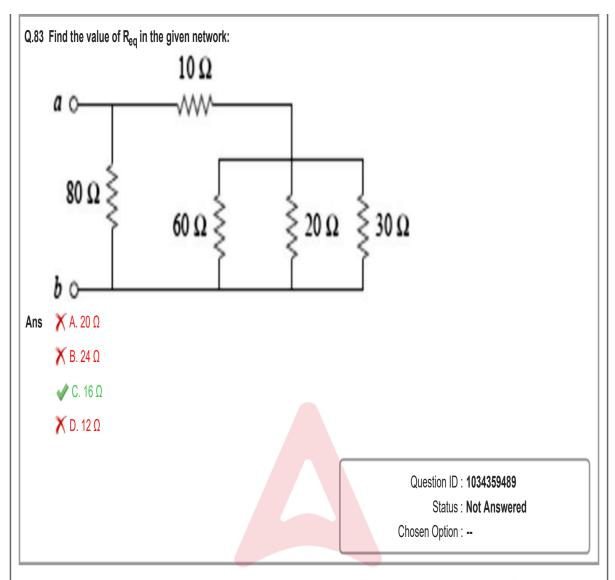
Question ID : 1034359518

Status : Not Answered



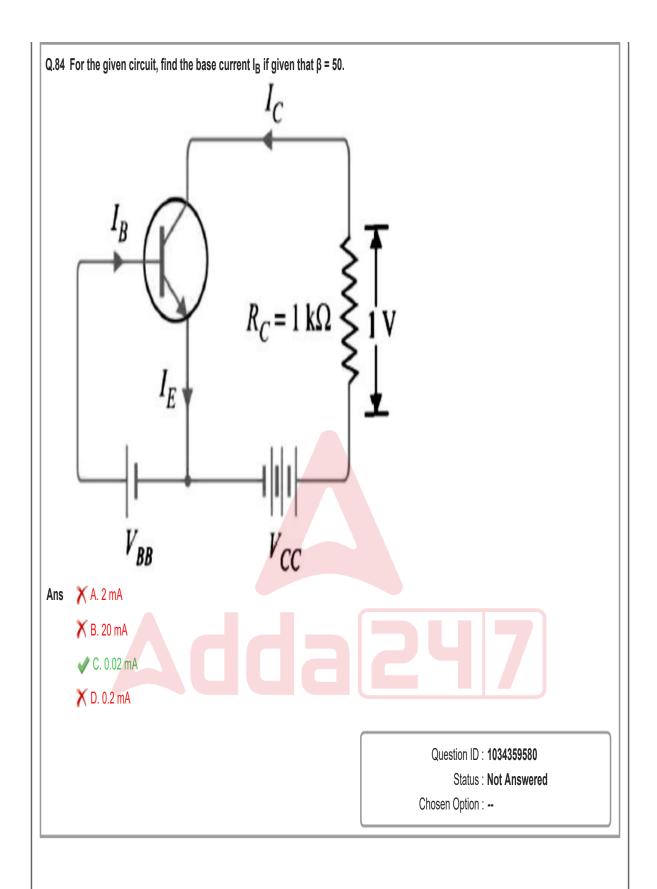
	X B. dielectric heating		
	C. infrared heating		
	X D. resistance heating		
		Question ID : 1034359560	
		Status : Not Answered	
		Chosen Option :	
).81	Induction heating CANNOT be used for		
Ans	X A. surface hardening		
	X B. annealing		
	C. preheating of plastic preforms		
	X D. sterilisation of surgical instruments		
		Question ID : 1034359564	
		Status : Not Answered Chosen Option :	
_			
	Which of the following is NOT a correct method of speed control of	DC motor?	
Ans	X A. Voltage control		
	X B. Field control		
	C. Slip power recovery control		
	X D. Rheostatic control		
		Question ID : 1034359570	
		Status : Not Answered	
		Chosen Option :	





Adda 247









Q.85 Which of the following statements related to JFET is INCORRECT?

Ans X A. It has a high input impedance.

X C. It is a three-terminal voltage controlled device.

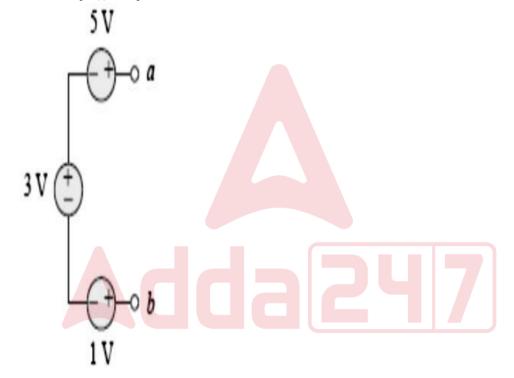
X D. It is also called unipolar transistor.

Question ID: 1034359581

Status: Not Answered

Chosen Option: --

Q.86 Find the voltage V_{ab} in the given circuit:



Ans XA.1V

X B. 3 V

⊘ C.7 V

X D. 9 V

Question ID: 1034359484

Status: Not Answered



87 ns	Head flowmeters measure the fluid flow based on the X A. Stokes' law	- ·
	X B. Doppler effect	
	X C. Electromagnetic induction principle	
	✓ D. Bernoulli's theorem	
		Question ID : 1034359587 Status : Not Answered Chosen Option :
2.88	A current charging a dielectric material accumulates a charmond the current.	arge of 24 C in 6 seconds.
Ans	✓ A. 4 A	
	X B. 0.25 A	
	X C. 2 A	
	X D. 6 A	
		Question ID : 1034359481 Status : Not Answered Chosen Option :
	In electromagnetic induction, the expression for induced	voltage is based on
Ans	X A. Ohm's law and Faraday's law	
	X B. Faraday's law and Kirchhoff's law	
	C. Faraday's law and Lenz's law	
	X D. Kirchhoff's law and Lenz's law	
		Question ID : 1034359494
		Status : Not Answered Chosen Option :





Q.90 Which of the following diodes is a four-layer diode?

Ans X A. Light emitting diode

X B. Photo diode

X C. Zener diode

D. Shockley diode

Question ID: 1034359575

Status: Not Answered

Chosen Option: --

Q.91 Which of the following tariffs is a three-part tariff?

Ans X A. Straight meter rate

X B. Hopkinson demand rate

C. Doherty rate

X D. Block meter rate

Question ID: 1034359537

Status: Not Answered

Chosen Option: --

Q.92 Identify whether the given statements are true or false.

- 1. The two most commonly used schemes for bus bar protection are differential protection and fault bus protection.
- 2. The most important stator winding fault of an alternator is earth fault.

Ans X A. 1–false, 2–false

X B. 1-false, 2-true

C. 1-true, 2-true

X D. 1-true, 2-false

Question ID: 1034359552

Status: Not Answered





	X B. amplitude		
	X C. frequency		
	✓ D. energy		
		Question ID : 1034359506	
		Status : Not Answered	
		Chosen Option :	
) .94	Which of the following parameters CANNOT be expresse	d in Siemens?	
Ans	X A. Conductance		
	✓ B. Reactance		
	X C. Admittance		
	X D. Susceptance		
		Question ID : 1034359500	
		Status: Not Answered	
		Chosen Option :	
Q.95	Fluorescent lamps give the best performance at	_temperature.	
Ans	X A. 95°C - 100°C		
	X B. 0°C - 5°C		
	X C. 75°C - 80°C		
	✓ D. 20°C - 25°C		
		Question ID : 1034359565	
		Status : Not Answered	
		Chosen Option :	





.yo .ns	96 Which of the following is NOT found in a hydroelectric power plant? A. Surge tank	
	✓ B. Boiler	
	X C. Penstock	
	X D. Spillway	
		Question ID : 1034359536 Status : Not Answered osen Option :
	97 An energy source forces a constant current of 2 A for 10 s to flow through a light bull If 2.3 kJ is given off in the form of light and heat energy, calculate the voltage drop across the bulb.	b.
Ans	ns X A. 75 V	
	X B. 230 V	
	✓ C. 115 V	
	X D. 460 V	
		Question ID : 1034359482 Status : Not Answered osen Option :
	98 Which part of the electric drive selects the motoring or braking mode of operation of the motor?	
Ans		
	X B. Load	
	X C. Motor	
	✓ D. Power modulator	
		Question ID : 1034359566 Status : Not Answered osen Option :





Q.99 In a Δ - Δ system, a phase voltage of 100 V produces a line voltage of: **Ans V** A. 100 V X B. 71 V X C. 141 V X D. 173 V Question ID: 1034359504 Status: Not Answered Chosen Option: --Q.100 If a periodic signal displayed on the cathode ray oscilloscope screen has a distance of 4 cm between the beginning and the end of a cycle, and if the Time/Div. control is set to 1 ms/div., calculate the frequency of the waveform. X A. 1000 Hz X B. 400 Hz ✓ C. 250 Hz X D. 100 Hz Question ID: 1034359514 Status: Not Answered Chosen Option: --Q.101 If a stationary alternator is connected to a live bus bar, then X A. it will disturb the generated EMF of other alternators connected in parallel X B. it will reduce the bus bar voltage momentarily C. it will get short-circuited X D. it will run as a synchronous motor Question ID: 1034359534 Status: Not Answered Chosen Option: --



ns	A single-phase half wave converter DC drive can be operated in: A. forwarding motoring mode only	
	X B. forward braking mode only	
	X C. forward motoring and forward braking mode	
	X D. reverse motoring mode only	
		Question ID : 1034359569 Status : Not Answered Chosen Option :
).103 Ans	In a CGS system, the kinematic viscosity is expressed in A. stokes	
	X B. poise	
	X C. newton per square metre	
	X D. pounds per square inches	
		Question ID : 1034359585 Status : Not Answered Chosen Option :
).104 Ans	Which of the following bridges is frequency sensitive? A. De-Sauty bridge	247
	X B. Schering bridge	
	C. Wien's bridge	
	X D. Maxwell's bridge	
		Question ID : 1034359509 Status : Not Answered Chosen Option :



Q.105 If the EMF in the stator of an 8-pole induction motor has a frequency of 50 Hz and that in the rotor has 1.5 Hz, find the slip. Ans X A. 1.5% **✔** B. 3% X C. 2% X D. 6% Question ID: 1034359521 Status: Not Answered Chosen Option: --Q.106 Find the value of \mathbf{G}_{eq} in the given network: 55 1253 X B. 12 S X C. 4 S X D.6S Question ID: 1034359488 Status: Not Answered Chosen Option: --



	X B. Higher temperature range	
	X C. Higher dielectric strength	
	D. Low cost	
	D. LOW COSt	
		Question ID : 1034359543
		Status : Not Answered
		Chosen Option :
.108	In a single-phase DC drive the power modulator will be	
Ans	✓ A. a controlled rectifier	
	X B. a cycloconverter	
	X C. an inverter	
	X D. a transformer	
	N B. a stationistic	
		Question ID : 1034359567
		Status : Not Answered
		Chosen Option :
109	can be used for higher voltages ranging from 66 kV	to 230 kV
Ans	X A. Belted cables	
	X B. H-type cables	
	✓ C. Oil filled cables	
	X D. S.L. type cables	
	N S. S.E. Spe dance	
		Question ID : 1034359545
		Status : Not Answered
		Chosen Option :





\ns	✓ A. grading	
	X B. derating	
	X C. serving	
	X D. scaling	
		Question ID : 1034359546
		Status : Not Answered
		Chosen Option :

