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Questions

Question number	Question wording	Possible outcomes	Correct answer	Answer given
1	Quantitative Aptitude By selling a dozen of eggs for ₹ 48, a shopkeeper bears a loss of 4 %. If shopkeeper sells that article for ₹ 64, then the profit % will be:-	42%, 24%, 28%, 48%, wrong	28%	✗
2	Quantitative Aptitude The price of 5 Inspiron series Laptop is equal to that of 3 Vostro series Laptop. If the price of 7 Inspiron series and 2 Vostro series together is ₹ 248000. Find the ratio of price of 8 Inspiron series and 3 Vostro series Laptops.	5:6, 6:5, 5:8, 8:5, wrong	8:5	✗
3	Quantitative Aptitude Find the least possible perfect square number exactly divisible by 15, 21 and 35.	10500, 11025, 22050, 12525, wrong	11025	10500 ✗
4	Quantitative Aptitude LCM of two numbers is 560 and their HCF is 10. If one of the number is 70 then find the other number.	80, 90, 70, 60, wrong	80	60 ✗
5	Quantitative Aptitude The current of a stream runs at the rate of 3 km/hr. A boat goes 4.5 km and comes back to the starting point in 2 hrs. The speed of the boat in still water is:-	6 km/hr, 8 km/hr, 10 km/hr, 12 km/hr, wrong	6 km/hr	✗
6	Quantitative Aptitude Find out the value of the middle term of the series 3, 7, 11, 15, 19, upto 51 terms.	106, 103, 109, 93, wrong	103	✗
7	Quantitative Aptitude A chocolate box has 5 blue, 4 green, 2 yellow, 3 pink coloured gems. In how many ways can two gems of the same colour be drawn from the box?	40, 60, 20, 80, wrong	20	✗
8	Quantitative Aptitude Three number are in the ratio 4:5:6 and their LCM is 360. Find their HCF.	4, 6, 8, 10, wrong	6	✗
9	Quantitative Aptitude 30 people can finish a work in 10 days by working 5 hours a day. How many hours should 20 people work to finish the same work in 12 and a half days?	4, 6, 8, 10, wrong	6	✗
10	Quantitative Aptitude The Arithmetic Mean of two positive number is 15 and their Geometric Mean is 12. What is the smaller number?	6, 8, 10, 12, wrong	6	✗
11	Quantitative Aptitude A and B together can complete a work in 10 days. A alone can	20, 15, 25, 40, wrong	15	15 ✓

complete it in 15 days. Now, if A does the work only for half a day daily, then the approximate number of days required to complete the work by A and B together, is -

12	Quantitative Aptitude	1000008, 1100006, 1000098, 1100098, wrong	1000008		X
	if $x = 102$, then $x(x^2 - 6x + 12)$ will be:-				
13	Quantitative Aptitude	500, 1000, 1500, 2000, wrong	2000	1500	X
	The length of a train is half the length of the platform. If with a speed of 180 km/hr the train crosses the platform in one minute, then what is the length of the train (in meters)?				
14	Quantitative Aptitude	10 mins, 15 mins, 20 mins, 25 mins, wrong	20 mins		X
	Ashok runs twice as fast as Bhanu and Bhanu runs three times as fast as Chetan. A certain distance is covered by Chetan in 120 minutes, then Ashok will cover the same distance in:-				
15	Quantitative Aptitude	20 grams, 30 grams, 40 grams, 60 grams, wrong	20 grams	20 grams	✓
	There is increase in average weight of 9 apples if one of them weighing 120 gm is replaced by another weighing 300 gm. Find the average increase.				
16	Quantitative Aptitude	5%, 10%, 15%, 20%, wrong	20%		X
	Sanjeev invested ₹ 2100 in a saving plan at an interest compounded semi annually. He received ₹ 2541 after one year. The rate of interest per annum is:-				
17	Quantitative Aptitude	20000, 25000, 30000, 50000, wrong	50,000		X
	40% of Anamika's income goes to house loan installment, 25% is her fixed day to day expenses and 20% is paid in various investment plans. If she spends the remaining ₹ 7,500 on movies and leisure, her salary (in ₹) is:-				
18	Quantitative Aptitude	75000, 80000, 84000, 88000, wrong	84000		X
	By selling a car for ₹ 56,000 Kailash lost 20%. In order to gain 20% he has to sell his car at the price of:-				
19	Quantitative Aptitude	40, 41, 42, 43, wrong	41		X
	The average run scored by a batsman in 20 innings is 40. If he gets out after scoring 61 in the next inning, then what will be his new average?				
20	Quantitative Aptitude	48, 72, 96, 120, wrong	96	96	✓
	Working capacity of a man is thrice as that of his friend. Working together, they can finish the work in 24 hrs. How much time (in hrs.) will be required for his friend to complete the same work alone?				
21	Logical Reasoning	O & G, O & F, N & E, P & G, wrong	O & F	O & F	✓
	Find the next two terms of the given series. C, U, G, P, K, K, __, __				
22	Logical Reasoning	33, 44, 13, 61, wrong	44	13	X
	Find the odd man out. 6, 13, 22, 33, 44, 61, 78				
23	Logical Reasoning	61, 60, 59, 58, wrong	60	60	✓
	In a class, Anusha's rank is 25 th from the top and 36 th from the bottom. What is the total number of students in that class?				
24	Logical Reasoning	30, 32, 24, 28, wrong	24	24	✓

20 year old Manish is five times as old as his brother Greece. How old will Manish be when he is three times as old as Greece?

25 Logical Reasoning 0.916666666666667, 09:30 PM 09:30 PM ✓
0.875, 0.895833333333333, 0.9375, wrong

Mayank leaves his office at 15 min to nine in the evening, reaches Pinky's house in 35 mins, they finish their dinner in another 10 mins and leave for his house which takes another 30 mins. At what time, did he leaves Pinky's house to reach his house?

26 Logical Reasoning P, S, R, Q, wrong S ✗

If C + D means C is the brother of D; C - D means C is the mother of D; C \$ D means C is the daughter of D then who is the father in P - Q + R \$ S?

27 Logical Reasoning Sheela-Tuesday- Estillo, Sulekha- Wednesday-Boleno, Sakshi-Sunday-Polo, Shweta-Monday- Santro, wrong Sakshi- Sunday-Polo ✗

Read the paragraph carefully and answer this question.
Sheela, Sabnam, Sulekha, Sita, Sakshi, Sonam and Shweta are 7 members of a club. Each of them likes one day of the week viz. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, not necessarily in the same order. Each of them owns a different car viz. Boleno, Santro, WagonR, Beat, Polo, Estillo and Optra, not necessarily in the same order.

Sulekha likes Wednesday and her favourite car is neither Polo nor Optra. Sakshi does not like Monday and her favourite car is Beat. The favourite car of the one who likes Friday is WagonR. The one whose favourite car is Estillo likes Tuesday. Sita likes Saturday and Sita's favourite car is not polo. Shweta's favourite car is Santro. Sonam likes Thursday. Sabnam does not like Estillo.

Which of the following combination is not correct ?

28 Logical Reasoning Monday, Sunday, Thursday, wrong Thursday ✗

Tomorrow is Monday. After 67 days, it will be _____.

29 Logical Reasoning 40, 60, 50, 80, wrong 50 50 ✓

There are Dogs and owls in a zoo. By counting heads they are 100. The number of their legs is 300. How many owls are there?

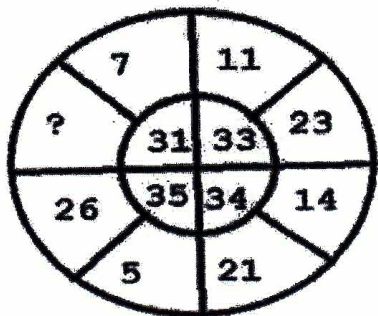
30 Logical Reasoning 242, 228, 224, 220, wrong 228 ✗

Select the missing number from the given option.

3, 18, 48, 93, 153, ?

31 Logical Reasoning 27, 26, 24, 25, wrong 26 27 ✗

Find the missing character.



32 Logical Reasoning E, A, C, D, wrong C ✗

This question is based on two statements numbered I and II

given below

You have to decide whether the data provided in the statements are sufficient to answer the question.

- (A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (C) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (D) If the data given in both statements I and II together are not sufficient to answer the question and
- (E) If the data in both statements I and II together are necessary to answer the question.

How far is Sonu from the starting point?

If

- I. Sonu moves 10 km towards east, then 4 km towards left, 20 km towards right and finally, 4 km towards right and stop.
- II. Sonu moves 4 km towards east, then 4 km towards right, 28 km towards left and finally, 4 km towards left and stop.

33 Logical Reasoning A, E, D, B, wrong D X

This question is based on two statements numbered I and II given below .

You have to decide whether the data provided in the statements are sufficient to answer the question.

- (A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (C) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (D) If the data given in both statements I and II together are not sufficient to answer the question and
- (E) If the data in both statements I and II together are necessary to answer the question.

Who among X, Y, Z, A, B and C is the Smallest?

If

- I. Z is larger than A, X and C and is not the largest.
- II. A is smaller than Y but is not the smallest.

34 Logical Reasoning Niece, Sister, Maternal Uncle, Father, wrong Maternal Uncle Maternal Uncle ✓

Pointing to a photograph, Suresh said, "she is the daughter of the only daughter of the father of my sister Sheela." How is Suresh related to the person in the photograph?

35 Logical Reasoning B, A, D, C, wrong A C X

This question is based on statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

- (A) If only argument I is strong
- (B) If only argument II is strong
- (C) If either I or II is strong
- (D) If neither I nor II is strong and
- (E) If both I and II are strong.

Should Indian government close all the loss making public sector organisation ?

	<p>I. No, all worker will lose their jobs, what would they do for earning?</p> <p>II. Yes, today is very competitive world, the only rule applied for existence is "survival of the fittest".</p>				
36	<p>Logical Reasoning</p> <p>Letters of the words given below have been jumbled up and you are required to construct the meaningful word, Each letter has been numbered. Choose the correct option.</p> <p>P R O P A I T R A E P 1 2 3 4 5 6 7 8 9 10 11</p>	<p>5, 4, 8, 1, 3, 11, 2, 6, 9, 7, 10, 1, 2, 3, 4, 7, 10, 11, 8, 5, 9, 9, 9, 4, 1, 8, 3, 11, 2, 6, 5, 7, 10, 9, 4, 1, 8, 3, 11, 6, 2, 5, 7, 10, wrong</p>	<p>9, 4, 1, 8, 3, 11, 2, 6, 5, 7, 10</p>	<p>9, 4, 1, 8, 3, 11, 2, 6, 5, 7, 10</p>	✓
37	<p>Logical Reasoning</p> <p>In a class of 75, where number of boys are twice that of girls, Sonam ranked 15th from the top. If there are 10 boys before Sonam, how many girls are there in the list after Sonam?</p>	<p>25, 21, 20, 4, wrong</p>	<p>20</p>	<p>20</p>	✓
38	<p>Logical Reasoning</p> <p>Read the paragraph carefully and answer this question.</p> <p>Sheela, Sabnam, Sulekha, Sita, Sakshi, Sonam and Shweta are 7 members of a club. Each of them likes one day of the week viz. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, not necessarily in the same order. Each of them owns a different car viz. Boleno, Santro, WagonR, Beat, Polo, Estilo and Optra, not necessarily in the same order.</p> <p>Sulekha likes Wednesday and her favourite car is neither Polo nor Optra. Sakshi does not like Monday and her favourite car is Beat. The favourite car of the one who likes Friday is WagonR. The one whose favourite car is Estilo likes Tuesday. Sita likes Saturday and Sita's favourite car is not polo. Shweta's favourite car is Santro. Sonam likes Thursday. Sabnam does not like Estilo.</p> <p>Who likes Sunday?</p>	<p>Shweta, Sakshi, Sheela, Sonam, wrong</p>	<p>Sakshi</p>	✗	
39	<p>Logical Reasoning</p> <p>Read the paragraph carefully and answer this question</p> <p>FM1, FM2, FM3, FM4, FM5, FM6 and FM7 are the 7 members of a family. There are 3 females among them. There are two married couples in the family. Each of them has a different profession from Cricketer, Tennis player, Teacher, Engineer, Manager, Doctor and Musician, not necessarily in the same order.</p> <p>FM2 is the Tennis player and he is married to FM6, the Manager. FM1 is brother of FM7, who is the Cricketer. FM3 is the Doctor and is an unmarried lady. FM4 is the Teacher and the sister of FM7. FM5 is not an Engineer.</p> <p>What is FM1's profession?</p>	<p>Cricketer, Musician, Engineer, Doctor, wrong</p>	<p>Engineer</p>		✗
40	<p>Logical Reasoning</p> <p>In a certain code, "BALL" is written as "RSHH". How will "CARE" be written in that same code?</p>	<p>QSBP, SBRO, QSBO, QRRO, wrong</p>	<p>QSBO</p>	<p>SBRO</p>	✗
41	<p>Logical Reasoning</p> <p>Read the paragraph carefully and answer this question.</p> <p>Sheela, Sabnam, Sulekha, Sita, Sakshi, Sonam and Shweta are 7 members of a club. Each of them likes one day of the week viz. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, not necessarily in the same order. Each</p>	<p>Sheela, Sabnam, Sulekha, Sita, wrong</p>	<p>Sabnam</p>		✗

of them owns a different car viz. Boleno, Santro, WagonR, Beat, Polo, Estillo and Optra, not necessarily in the same order.

Sulekha likes Wednesday and her favourite car is neither Polo nor Optra. Sakshi does not like Monday and her favourite car is Beat. The favourite car of the one who likes Friday is WagonR. The one whose favourite car is Estillo likes Tuesday. Sita likes Saturday and Sita's favourite car is not Polo. Shweta's favourite car is Santro. Sonam likes Thursday. Sabnam does not like Estillo.

Whose favourite car is WagonR?

42

Logical Reasoning

Read the paragraph carefully and answer this question.

FM1, FM2, FM3, FM4, FM5, FM6 and FM7 are the 7 members of a family. There are 3 females among them. There are two married couples in the family. Each of them has a different profession from Cricketer, Tennis player, Teacher, Engineer, Manager, Doctor and Musician, not necessarily in the same order.

FM2 is the Tennis player and he is married to FM6, the Manager. FM1 is brother of FM7, who is the Cricketer. FM3 is the Doctor and is an unmarried lady. FM4 is the Teacher and the sister of FM7. FM5 is not an Engineer.

Which of the following combination is not correct ?

Manager-Female-married, Engineer-male-unmarried, Teacher-Female-married, Doctor-Female-married, wrong

Doctor-Female-married

X

43

Logical Reasoning

Read the paragraph carefully and answer this question.

Sheela, Sabnam, Sulekha, Sita, Sakshi, Sonam and Shweta are 7 members of a club. Each of them likes one day of the week viz. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, not necessarily in the same order. Each of them owns a different car viz. Boleno, Santro, WagonR, Beat, Polo, Estillo and Optra, not necessarily in the same order.

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Whose favourite car is Polo?

Sonam, Sheela, Sakshi, Shweta, wrong

Sonam

X

44

Logical Reasoning

If 5th Dec, 2017 is a Sunday, then what will be the day of 5th Dec, 2019?

Monday, Thursday, Tuesday, Sunday, wrong

Tuesday

Thursday

X

45

Logical Reasoning

What should come next in the following series?

57, 41, 32, 28, ?

27, 26, 25, 20, wrong

27

26

X

46

Logical Reasoning

What will be the angle between hour hand and minute hand, if clock shows 11:30 AM?

175o, 165o, 150o, 120o, wrong

165°

165°

✓

47

Logical Reasoning

Read the paragraph carefully and answer this question.

FM2 and FM5, FM1 and FM5, FM2 and FM7, FM3 and FM5, wrong

FM2 and FM5

X

FM1, FM2, FM3, FM4, FM5, FM6 and FM7 are the 7 members of a family. There are 3 females among them. There are two married couples in the family. Each of them has a different profession from Cricketer, Tennis player, Teacher, Engineer, Manager, Doctor and Musician, not necessarily in the same order.

FM2 is the Tennis player and he is married to FM6, the Manager. FM1 is brother of FM7, who is the Cricketer. FM3 is the Doctor and is an unmarried lady. FM4 is the Teacher and the sister of FM7. FM5 is not an Engineer.

What are the names of two married males?

48 Logical Reasoning S, O, I, T, wrong I S X

If it is possible to make a meaningful word with the 4th, 5th, 6th and 7th letter of the word "CAPTION", which of the following will be the first letter of that word? If no such word can be formed, give "S" as the answer.

49 Logical Reasoning Only A, Only B, Both A and B, Neither A nor B, wrong Only B Only B ✓

Ayush and Saumya are children of X. Who is the father of Ayush? To answer this question which of the statements (A) and (B) is necessary?

- A. Mohan is the brother of Ayush and the son of Z
- B. Y is the mother Saumya.

50 Logical Reasoning 1, 2, 3, 4, wrong 2 2 ✓

The positions of how many digits in the number 9640728 will remain unchanged after the digits are rearranged in ascending order within the number?

51 Logical Reasoning Cricketer, Musician, Engineer, Doctor, wrong Musician X

Read the paragraph carefully and answer this question.

FM1, FM2, FM3, FM4, FM5, FM6 and FM7 are the 7 members of a family. There are 3 females among them. There are two married couples in the family. Each of them has a different profession from Cricketer, Tennis player, Teacher, Engineer, Manager, Doctor and Musician, not necessarily in the same order.

FM2 is the Tennis player and he is married to FM6, the Manager. FM1 is brother of FM7, who is the Cricketer. FM3 is the Doctor and is an unmarried lady. FM4 is the Teacher and the sister of FM7. FM5 is not an Engineer.

What is FM5's profession?

52 Logical Reasoning 5, 7, 9, 3, wrong 5 9 X

Find the missing character.

7	11	65
3	?	29
8	2	32

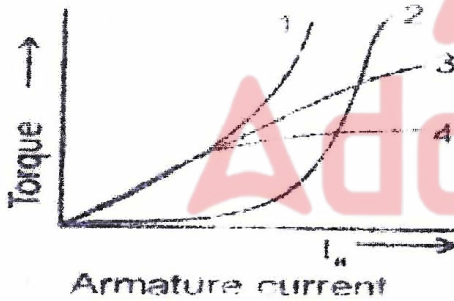
53 Logical Reasoning East, West, North, South, wrong North North ✓

From his house, Suman went 20 km to the north. Then, he turned west and covered 12 km. Then, he turned south and covered 6 km. Finally turning to east, he covered 12 km. In

	which direction is he from his house?			
54	Logical Reasoning Arrange the words given below in a meaningful sequence 1. Cure 2. Doctor 3. Diagnosis 4. Treatment 5. Recovery	2, 3, 4, 1, 5, 2, 4, 3, 5, 1, 2, 3, 4, 5, 1, 2, 3 5 # 1. wrong	2, 3, 4, 5, 1 2, 3, 4, 1, 5	X
55	Logical Reasoning In this question, jumbled letters of a meaningful word are given. You are required to rearrange these letter and select from the given alternatives. the word which is almost similar in the meaning to the rearranged word. "NIRKSH"	Increase, Decrease. Expand, Good, wrong	Decrease Decrease	✓
56	Logical Reasoning Read the paragraph carefully and answer this question. Sheela, Sabnam, Sulekha, Sita, Sakshi, Sonam and Shweta are 7 members of a club. Each of them likes one day of the week viz. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday, not necessarily in the same order. Each of them owns a different car viz. Boleno, Santro, WagonR, Beat, Polo, Estilo and Opra, not necessarily in the same order. Sulekha likes Wednesday and her favourite car is neither Polo nor Opra. Sakshi does not like Monday and her favourite car is Beat. The favourite car of the one who likes Friday is WagonR. The one whose favourite car is Estilo likes Tuesday. Sita likes saturday and sita's favourite car is not polo. Shweta's favourite car is Santro. Sonam likes Thurday. Sabnam does not like Estilo. Who likes Tuesday?	Sheela, Sakshi, Shweta, Sabnam, wrong	Sheela	X
57	Logical Reasoning If "LEFT" is coded as "17-24-23-9", then how will you code "RIGHT"?	12-21-23-22-10, 10-19- 21-20-8, 11-20-22-21- 9, 18-9-7-8-20. wrong	11-20-22-21-9 11-20-22-21- 9	✓
58	Logical Reasoning Read the paragraph carefully and answer this question. FM1, FM2, FM3, FM4, FM5, FM6 and FM7 are the 7 members of a family. There are 3 females among them. There are two married couples in the family. Each of them has a different profession from Cricketer, Tennis player, Teacher, Engineer, Manager, Doctor and Musician, not necessarily in the same order. FM2 is the Tennis player and he is married to FM6, the Manager. FM1 is brother of FM7, who is the Cricketer. FM3 is the Doctor and is an unmarried lady. FM4 is the Teacher and the sister of FM7. FM5 is not an Engineer. Who is musician?	FM1, FM5, FM6, FM2, wrong	FM5	X
59	Logical Reasoning Mohan starts from a point D and travels 2 km eastwards to E and then turns left and travels 6 km that distance to reach F. He again turns left and travels 5 times the distance he covered between D and E and reaches his destination G. What is the shortest distance between the starting point and the destination?	9 km, 12 km, 10 km, 15 km, wrong	10 km 10 km	✓

60	Logical Reasoning Find out the wrong number in the series. 5, 13, 29, 61, 122, 253, 509	29, 61, 122, 253 wrong	122	253	✗
61	Marathi Language नख?शखांत या श?दाचा अर्थ? काय?	1, 1, 1, 1, wrong	पाया?या नखापासून ते कपाळापर्यंत	पाया?या नखापासून ते कपाळापर्यंत	✓
62	Marathi Language खाल?लपैक? कोणती जोडी अयोग्य आहे?	1, 1, 1, 1, wrong	मना?या - धुंद?त	धुंद - सुवास	✗
63	Marathi Language घाटाचे ?श?प मोठे सुंदर आहे हे वा?य उद्गारवाचक करा।	1, 1, 1, 1, wrong	घाटाचे ?श?प ?कती सुंदर आहे	घाटाचे ?श?प सुंदरच आहे	✗
64	Marathi Language ?तहापा?या स्मृतीची न?ट घे?याचा पर?हा ????कोण कोणता ?	1, 1, 1, 1, wrong	मजकुराची सम?कट आ?ण ?याला मांड?याची वेगळी क?पनाश?ती	श?द मया?दा, कारण ते मह?वपूण? आहे	✗
65	Marathi Language एका ?द?शीर शक्यम्हाकडून वोलत? जगारा? ?द?शीर कधी ?हणते	1, 1, 1, 1, wrong	बोल?	बोल?	✓
66	Marathi Language चाल?र?ती या श?दाचा अर्थ?:-	1, 1, 1, 1, wrong	र??त?स्वाज	र??त?स्वाज	✓
67	Marathi Language मानवी ?वचार आ?ण मानवी संवाद यांना ?ल?हणे व वाचणे या ???ये?या मा?यमातून जोड?याचा माग? ?हणजे:-	1, 1, 1, 1, wrong	आपेची ?याकरणीय रचना	उ?चारण आ?ण ताण	✗
68	Marathi Language कोण?या अ?ययन ?त उ?च ?णी?या ?वचारसरणीचा समावेश होतो?	1, 1, 1, 1, wrong	मू?यमापन	मू?यमापन	✓
69	Marathi Language गुहा व लेणी यातील खाल?लपैक? यो?य फरक ?नवडा.	1, 1, 1, 1, wrong	गुहा लेणी?या तुलनेत ?नमुळ?या जागेत असते	गुहा लेणी?या तुलनेत ?नमुळ?या जागेत असते	✓
70	Marathi Language कडकडून भेटणे ?हणजे:-	1, 1, 1, 1, wrong	आवेगाने भेटणे	आवेगाने भेटणे	✓
71	Marathi Language फुघाडीचा फेर धरला आहे या वा?यात अलंकार आहे:-	1, 1, 1, 1, wrong	अनु?स	?पक	✗
72	Marathi Language यो?य पया?य ?नवडून ?वचारले?या ??नांची उ?तरे ?लहा. वाचन करत असतानाचे संकलन कौश?य ?हणजे	1, 1, 1, 1, wrong	मह?वाची ?टपणे तयार करणे	?टपणे काढणे	✗
73	Marathi Language कावला बृ?णामईता कोणती नद? ?वते ?	1, 1, 1, 1, wrong	कोयना	कोयना	✓
74	Marathi Language पाच न?या आपले आगळे अ?ित?व कोठे दाखवतात?	1, 1, 1, 1, wrong	ज?मा?या ?ठकाणी	इ?ण नद?र ?मळताना	✗
75	Marathi Language	1, 1, 1, 1, wrong	?माचे	?माचे	✓

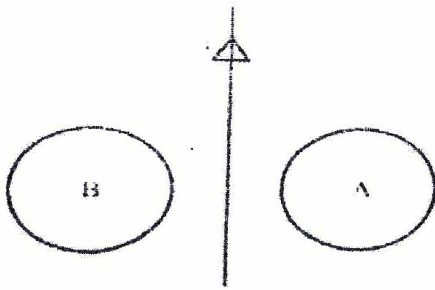
76	<p>Marathi Language</p> <p>“रेशमाचे बंध” हे कशाचे वण?न आहे?</p> <p>?याकरण आ?ण भाषाशा?? ?व?या?या?न ?शकायला सु?वात के?यावर ?यांना काय कळायला लागते?</p>	1, 1, 1, 1, wrong	हाह? बाव संभाषणासाठी? आव?यक असून यामुळे आप?या कौश?यात भर पडते	?लखाणा?या शैल?ला ?याकरण ?भा?वत करते	X
77	<p>Marathi Language</p> <p>बोझु?क मूल ?विशेषता नसे? ?क्यात मूल्य व उद्देश्य काय ?हणतात?</p>	1, 1, 1, 1, wrong	म?हलेचे ह?तांतरण	आठ?व?याची ???या	X
78	<p>Marathi Language</p> <p>पांथ?थ या श?दाचा समानार्थ? श?द कोणता?</p>	1, 1, 1, 1, wrong	वाटस?	वाटस?	✓
79	<p>Marathi Language</p> <p>चं? आ?ण स्य? याची शा?थीय मा?हती कशात आहे?</p>	1, 1, 1, 1, wrong	भूगोल	भूगोल	✓
80	<p>Marathi Language</p> <p>ते ?म जाणतात वा वा?याच एव? मूलकाठ काय होईल ?</p>	1, 1, 1, 1, wrong	?यांनी ?म जाणले होते	?यांनी ?म जाणले होते	✓
81	<p>Professional Knowledge - Electrical</p> <p>Which of the following Torque (T) - Armature Current (Ia) characteristics is true for Differential Compound Motor?</p>	1, 2, 3, 4, wrong	4	3	X



82	<p>Professional Knowledge - Electrical</p> <p>In Bipolar Junction transistors, the type of configuration which will give both voltage gain and current gain is:-</p>	CC, CB, CE, Both CB & CE, wrong	CE	Both CB & CE	X
83	<p>Professional Knowledge - Electrical</p> <p>The dielectric strength of the air at NTP is:-</p>	0.2kV/cm, 1.0kV/cm, 30kV/cm, 3kV/cm, wrong	30kV/cm	30kV/cm	✓
84	<p>Professional Knowledge - Electrical</p> <p>Synchronous condenser means an over excited synchronous motor operating at _____ with _____ pf used in large power stations for improvement of pf.</p>	No load, leading, Full Load, lagging, No load, lagging, Full load, leading, wrong	No load, leading	No load, leading	✓
85	<p>Professional Knowledge - Electrical</p> <p>Which one of the following is/are not true with reference to a thyristor?</p> <p>1. Latching current (IL) is associated with turn off process and holding current (IH) with turn on process. 2. Holding current is associated with turn-off process and latching current with turn-on process. 3. A thyristor can be termed as AC switch.</p>	Both 1 & 2 are correct, Only 2 & 3 are correct, Only 2 is correct, Only 1 is correct, wrong	Only 2 is correct	Only 2 & 3 are correct	X
86	<p>Professional Knowledge - Electrical</p>	Resistance, Inductance,	Capacitance	Capacitance	✓

87	<p>More dominant property in cables among the following is _____.</p> <p>Professional Knowledge - Electrical</p> <p>Generally characteristic impedance of cable is taken as _____.</p>	Reluctance. Capacitance, wrong	4000, 40, 400, 4kΩ, 40Ω wrong	40Ω	40Ω	✓
88	<p>Professional Knowledge - Electrical</p> <p>Which of the following statements is/are true?</p> <ol style="list-style-type: none"> 1. Superconductors have almost zero resistivity 2. The external magnetic field has no effect on superconductors 3. Barium Ferrite can't be used for permanent magnets 	Only 1 & 2 are correct, Only 2 is correct, Only 1 & 3 is correct, Only 1 is correct, wrong	Only 1 & 3 is correct	Only 1 is correct		✗
89	<p>Professional Knowledge - Electrical</p> <p>Find discharge, if the power developed by a hydroelectric generator unit is 9.80 KW, assuming 100% efficiency, with 1.0 m head and density of water taken as 1000 kg/m³.</p>	1.2 m ³ /s, 1.5 m ³ /s, 2 m ³ /s, 1.0 m ³ /s, wrong	1.0 m ³ /s			✗
90	<p>Professional Knowledge - Electrical</p> <p>In which of the following cases Ferranti effect on long overhead lines can't be experienced?</p> <ol style="list-style-type: none"> 1. The line is lightly loaded 2. The line is heavily loaded 3. The power factor is unity 	Both 1 & 2, Both 2 & 3, Only 1, Only 3, wrong	Both 2 & 3	Both 2 & 3		✓
91	<p>Professional Knowledge - Electrical</p> <p>Consider the following circuit and find current due to 1A source only.</p>	0.4A, 0A, (-0.4A), 1A, wrong	0.4A	1A		✗
92	<p>Professional Knowledge - Electrical</p> <p>Which of the following quantity will be reduced due to skewing of rotor in a three-phase squirrel cage induction motor?</p> <ol style="list-style-type: none"> 1. Parasitic torque 2. Starting torque 3. Pullout torque 	Only 1 is correct, 1 & 2 are correct, Only 3 is correct, 1, 2 & 3 are correct, wrong	1, 2 & 3 are correct	Only 1 is correct		✗
93	<p>Professional Knowledge - Electrical</p> <p>Given V curve (I_a v/s I_p) corresponds to which of the following type of motor?</p>	Synchronous motor, Induction motor, DC shunt motor, DC series motor, wrong	Synchronous motor	Synchronous motor		✓
94	<p>Professional Knowledge - Electrical</p> <p>Choose the correct option with reference to induced current in the loops by a straight current carrying conductor as shown in</p>	Clockwise current in A and zero current in B, Clockwise current in B and zero current in A,	Anti-Clockwise current in A and	Anti-Clockwise current in B and		✗

fig. below.-



Anti-Clockwise current in B and clockwise current. Anti-Clockwise current in A and clockwise current. wrong
 clockwise current in B
 clockwise current in A

95	<p>Professional Knowledge - Electrical</p> <p>Output voltage waveform as shown in fig. refers to which of the following category of chopper configuration?</p>	<p>Voltage commutated chopper. Load-commutated chopper, Current commutated chopper, Ideal dc chopper, wrong</p>	<p>Ideal dc chopper</p>			X
96	<p>Professional Knowledge - Electrical</p> <p>Which of the following follows the property of transmission line?</p>	<p>1 & 2 are correct, Only 3 is correct, 2 & 3 are correct, 1 & 3 are correct, wrong</p>	<p>AD-BC=1</p>	<p>AD-BC=1</p>		✓
97	<p>Professional Knowledge - Electrical</p> <p>What will be the value of gate-source resistance (in kΩ) for an SCR if the gate-cathode characteristics has a straight-line slope of 130, trigger source voltage of 15 V and allowable gate power dissipation of 0.5 watts?</p>	<p>1.11 k?, 2 k?, 111.94 k?, 3 k?, wrong</p>	<p>1.11 kΩ</p>			X
98	<p>Professional Knowledge - Electrical</p> <p>For the waveform (as shown below), which of the options is true?</p>	<p>Single Phase fully controlled ac to dc converter, Voltage commutated dc to dc chopper with input dc, Phase voltage of a Three-phase inverter with 180 c, Three-phase diode bridge rectifier, wrong</p>	<p>Phase voltage of a Three-phase inverter with 180° conduction and input dc voltage E</p>			X
99	<p>Professional Knowledge - Electrical</p> <p>A 50 Hz, 3-phase synchronous generator has inductance per phase of X mH. The capacitance of generator and circuit breaker is 0.002 μF. If the natural frequency of oscillation is 29 kHz, find the value of inductance X.</p>	<p>15, 10, 25, 5, wrong</p>	<p>15</p>			X
100	<p>Professional Knowledge - Electrical</p> <p>For the AC circuit as shown below, if the rms voltage across the inductor is 30 V, value of inductor is 0.5 H, what is the value of resistor?</p>	<p>1 ?, 1 k?, 2 k?, 2 ?, wrong</p>	<p>1 kΩ</p>	<p>2 Ω</p>		X

101	Professional Knowledge - Electrical Consider the following statements and choose the incorrect one:- 1. The nature of reactive power compensation is different for peak load and off-peak load conditions. 2. Ferranti effect is significant only on medium and long lines. 3. Equivalent-T circuit of a long line is preferred to equivalent- π circuit.	Only 1, Only 2, Both 1 & 2, Only 3, wrong	Only 3	Only 3	✓
102	Professional Knowledge - Electrical The output signal of a common-collector amplifier is always:-	Larger than the input signal, In phase with the input signal, Out of phase with the input signal, Exactly equal to the input signal, wrong	In phase with the input signal	Out of phase with the input signal	✗
103	Professional Knowledge - Electrical An emitter follower circuit widely used in AC amplification has _____.	High input impedance and high output impedance., High input impedance and low output impedance., Low input impedance and high output impedance., Low input impedance and low output impedance., wrong	High input impedance and low output impedance	Low input impedance and high output impedance	✗
104	Professional Knowledge - Electrical Permeance which is the property of the magnetic circuit due to which it allows flow of the magnetic flux through it can be measured in _____.	Wb/A, A/Wb, Wb-m, H/m, wrong	Wb/A	A/Wb	✗
105	Professional Knowledge - Electrical What is the nature of power factor if surge impedance loading is less than load?	Unity, Lagging, Leading, Zero, wrong	Lagging	Leading	✗
106	Professional Knowledge - Electrical Which among the following is a type of three phase transformer connection? 1. Star-Star connection 2. Open Delta connection 3. Scott connection	Only 1, All 1, 2 & 3, Only 2 & 3, Only 1 & 2, wrong	All 1, 2 & 3	All 1, 2 & 3	✓
107	Professional Knowledge - Electrical The SIL (Surge Impedance Loading) of the transmission line for given configuration-3phase, 200kV, 400 ohm is:-	400MW, 100MW, 200MW, 1600MW, wrong	100MW	100MW	✓
108	Professional Knowledge - Electrical With increase in temperature what is the effect on insulation of cable?	No change, Increases, Decreases, Exponentially increases, wrong	Decreases	Increases	✗
109	Professional Knowledge - Electrical Which type of chopper has the following circuit configuration as shown?	Type-A chopper, Type-B chopper, Type-C chopper, Type-D chopper, wrong	Type-A chopper	Type-A chopper	✓



110	<p>Professional Knowledge - Electrical</p> <p>Statement (I): In a negative feedback amplifier, the noise voltage due to noise generated within the amplifiers is reduced. Statement (II): Negative feedback reduces the amplifier gain.</p>	<p>Both Statement (I) and Statement (II) are individu, Both Statement (I) and Statement (II) are individu, Statement (I) is true but Statement (II) is false, Statement (I) is false but Statement (II) is true, wrong</p>	<p>Both Statement (I) and Statement (II) are individually true and Statement (II) is the correct explanation of Statement (I)</p>		X
111	<p>Professional Knowledge - Electrical</p> <p>Each instruction in an assembly language program has the following fields.</p> <p>(1) Label field (2) Mnemonic field (3) Operand field (4) Comment field</p> <p>What is the correct sequence of these fields?</p>	<p>1, 2, 3 and 4, 2, 1, 4 and 3, 1, 3, 2 and 4, 2, 4, 1 and 3, wrong</p>	<p>1, 2, 3 and 4</p>	<p>1, 3, 2 and 4</p>	X
112	<p>Professional Knowledge - Electrical</p> <p>What does the part "oy" as referred to the diagram of forward gate characteristics of a thyristor represents?</p>	<p>Maximum permissible gate voltage, Maximum permissible gate current, Non triggering gate voltage, Minimum gate voltage to trigger an SCR, wrong</p>	<p>Minimum gate voltage to trigger SCR</p>	<p>Minimum gate voltage to trigger SCR</p>	✓
113	<p>Professional Knowledge - Electrical</p> <p>In drawing the excitation diagrams of a DC machine, the field winding will be drawn at _____ to the armature circuit.</p>	<p>45, 30, 90, 120, wrong</p>	<p>90°</p>	<p>90°</p>	✓
114	<p>Professional Knowledge - Electrical</p> <p>Loss in transmission line is 20 MW and is loaded at 110kV. If load is 200MVA and length is 100km then resistance per km is _____.</p>	<p>8.06 ohm, 6.05 ohm, 0.806 ohm, 0.0605 ohm, wrong</p>	<p>6.05 ohm</p>	<p>6.05 ohm</p>	✓
115	<p>Professional Knowledge - Electrical</p> <p>A 400m cable has insulation of 3 MΩ, what is the resistance of 800 m cables?</p>	<p>1.2 M?, 1.5 M?, 3 M?, 6 M?, wrong</p>	<p>1.5 MΩ</p>	<p>1.5 MΩ</p>	✓
116	<p>Professional Knowledge - Electrical</p> <p>An electric circuit with 8 branches and 5 nodes will have _____.</p>	<p>1 & 2 are correct, Only 3 is correct, 2 & 3 are correct, 1 & 3 are correct, wrong</p>	<p>4 loop equations</p>	<p>4 loop equations</p>	✓
117	<p>Professional Knowledge - Electrical</p>	<p>1 & 2 are correct, Only 3 is correct, 2 &</p>	<p>1 & 3 are correct</p>	<p>Only 3 is correct</p>	X

	Which of the following will not be the nature of torque produced when a d.c series motor is accidentally connected to single phase a.c supply?	3 are correct, 1 & 3 are correct, wrong			
	1 Steady & unidirectional 2 Pulsating & unidirectional 3 Oscillating				
118	Professional Knowledge - Electrical For a 3-Phase Induction motor, rotor copper losses at a slip of 4% is 625W. Find the rotor power output.	20 kW, 10 kW, 15 kW, 18 kW, wrong	15 kW	15 kW	✓
119	Professional Knowledge - Electrical Which of the following is true for auto-transformer in comparison to its two-winding counterpart?	Only 2 & 4 are correct, Only 1 & 4 are correct, Only 2, 3 & 4 are correct, Only 4 is correct, wrong	Only 2 & 4 are correct	Only 2 & 4 are correct	✓
	1 Higher reactance 2 Lower losses 3 Higher Exciting current 4 Better voltage regulation				
120	Professional Knowledge - Electrical What will be the daily energy produced in a thermal power station at a load factor of 0.6 when the maximum demand of the station is 50MW?	500 MWh, 2000 MWh, 720 MWh, 400 MWh, wrong	720 MWh	500 MWh	✗
121	Professional Knowledge - Electrical In order to generate a square wave from a sinusoidal input signal, one can use:-	1, 2 and 3, 1 and 3 only, 1 and 2 only, 2 and 3 only, wrong	2 and 3 only	2 and 3 only	✓
	1. Clippers and amplifiers 2 Schmitt trigger circuit 3 Monostable multivibrator				
122	Professional Knowledge - Electrical Corona in DC supply is _____	Zero, Less than AC, Greater than AC, Cannot be calculated, wrong	Less than AC	Zero	✗
123	Professional Knowledge - Electrical A 50Ω distortionless transmission line has inductance per metre of 0.25μH. What is the capacitance?	10-5 f/m, 10-10 f/m, 10-8 f/m, 10-4 f/m, wrong	10 ⁻¹⁰ f/m	10 ⁻¹⁰ f/m	✓
124	Professional Knowledge - Electrical Find the base impedance for a 10 kV, 10 MVA 3-Phase system.	5 ohms, 7 ohms, 10 ohms, 1 kilo ohms, wrong	10 ohms	1 kilo ohms	✗
125	Professional Knowledge - Electrical Find the value of current I from the circuit as shown below.	1A, 2A, 3A, 4A, wrong	3A	3A	✓
126	Professional Knowledge - Electrical An ammeter has a current range of 0-5 A, and its internal resistance is 0.4Ω. In order to change the range to 0-50 A, we need to add a resistance of _____	0.4 Ω in series with the meter, 1.0 Ω in series with the meter, 0.044 Ω in parallel with the meter, 0.055	0.044 Ω in parallel with the meter	0.044 Ω in parallel with the meter	✓

		0 in parallel with the meter, wrong			
127	Professional Knowledge - Electrical	Copper(I ² R) loss, Copper stray load loss, Core stray load loss, Hysteresis loss, wrong	Hysteresis loss	Hysteresis loss	✓
	Which of the following can't be considered under the category of variable loss in a rotating machines?				
128	Professional Knowledge - Electrical	1 & 2 are correct, Only 3 is correct, 2 & 3 are correct, 1 & 3 are correct, wrong	32 x 32 bits	256 x 4 bits	✗
	What is the size of memory for an arrangement of eight memory chips of 32x4 bit size having their address buses connected together?				
129	Professional Knowledge - Electrical	1 & 2 are correct, Only 3 is correct, 2 & 3 are correct, 1 & 3 are correct, wrong	Peak working reverse voltage	Peak working reverse voltage	✓
	_____ is the maximum reverse voltage that a thyristor can withstand repeatedly and is equal to the peak negative value of a sine voltage wave.				
130	Professional Knowledge - Electrical	Short transmission line, Transformers, Medium transmission lines, Alternators, wrong	Transformers	Transformers	✓
	Lightening arresters, buchholz relay together used for protection of _____.				

