

GOVT, OF NCT OF DELHI

Delhi Subordinate Services Selection Board FC-18, Institutional Area, Karkardooma, Delhi – 110092.

www.dsssb.delhigovt.nic.in

Participant ID	
Participant Name	
Test Center Name	MRS Global Insititue Of Technology
Test Date	02/09/2021
Test Time	8:30 AM - 10:30 AM
Subject	TGT Maths-(Male)

Section: General Ability

Q.1 The following are the conditions for selecting Marketing Manager for a PSU.

The candidate must:

- a) Had done MBA in Marketing with at least 65% marks.
- b) Not be more than 28 years old and less than 24 years old as on 1.12.2021.
- c) Have fluency in English.
- d) Be in a position to pay Rs. 1,00,000/- as deposit to the company.
- e) have an experience of at least 3 years.
- In the case of candidate who fulfils all the conditions

except I) at (a) above, he should be referred to Managing Director of the company.

II) At (d) and/or (e) above, he should be referred to Chairman of the company.

Now read the information provided in the question and mark your answer accordingly.

Utkarsh who was born at 1-04-1995 is a Post-Graduate (MBA) in Marketing with 70% marks. He is not fluent in English. He has a work experience of 4 years. He can pay the required deposit.

Ans

X A. The candidate is selected.



C. The candidate is referred to Managing Director.

D. The candidate is referred to chairman.

Question ID: 9277593823

Q.2 Among seven persons P, Q, R, S, T, U and V, who are of different ages, V is younger than only S and T. U is younger to Q and older than P. T is not the eldest and R is the youngest. Who is the fourth oldest?

Ans

X A. U

🗙 c. s

X D. R

Q.3 In a circular seating arrangement, Sunil is facing outside. Esha is sitting 2nd to the right of Sunil and opposite to Farhan. Omkar and Vikram are immediate neighbours. If six peoples are sitting in the arrangement then, what is the position of Jitin with respect to Farhan, who is facing inside?

X A. Immediate right

X B. 2nd to the right

C. 2nd to the left

X D. Immediate left

Question ID: 9277593829

Q.4 In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.

Statement:

 $T \le M = R > K > O; U \ge O$

Conclusions:

I. R > U II. R > T

Ans

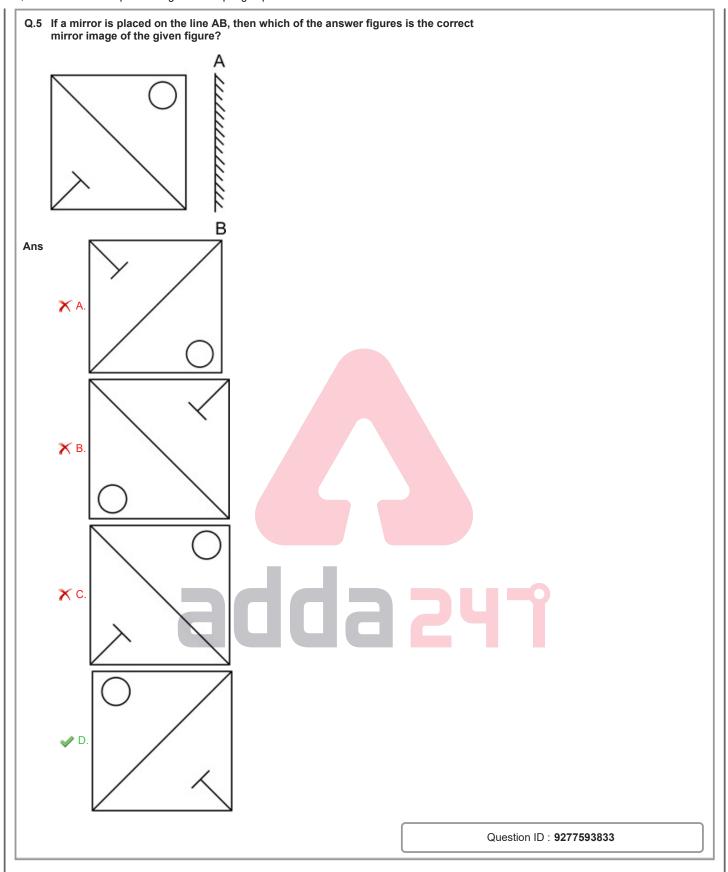
A. None follows

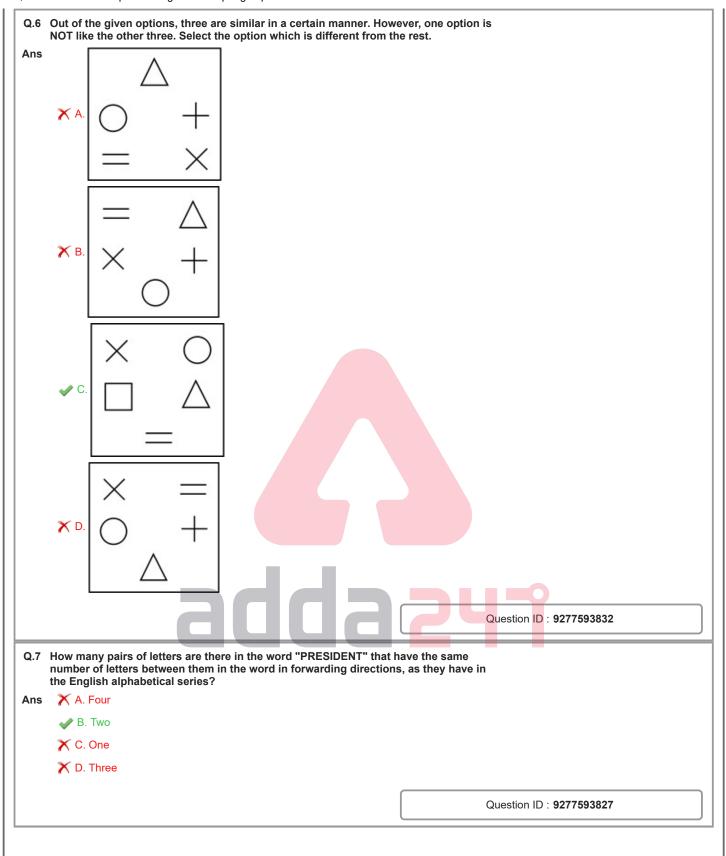
X B. Either conclusion I or II follow

X C. Only conclusion I follows

X D. Only conclusion II follows







Q.8 Find the missing number in the given series:

8, 129, 210, 259, 284, ____, 294

Ans X A. 291

X B. 290

X C. 292

D. 293

Question ID: 9277593825

- Read the following information to answer the given question. Following are the criteria for selecting Mathematics teacher by a school. The candidate:
 - 1. Must have done post graduation in Mathematics with at least 70% marks.
 - 2. Should have good aptitude skills with fluency in English.
 - 3. Must be between 23 to 27 years of age.
 - 4. Must have at least 2 years of related work experience.

In the case of Candidate who fulfils all conditions except-

- (a) At (1) above, but has at least 4 years of experience in Mathematics, his/her case to be referred to HOD.
- (b) At (4) above, but has done post graduation in Mathematics with at least 80% marks, his/her case to be referred to Principal.

In question below, details of a candidate are provided followed by a question and 4 courses of action. Select the course of action that applies to the person's candidature.

Anu has done post graduation in mathematics. She scored 65% marks in her post graduation. She has strong aptitude skills with fluency in English. She is 25 years old. She has only one year of work experience.

- X A. She will be selected.
 - B. She will not be selected.
 - C. She will be referred to HOD.
 - D. She will be referred to Principal.

Question ID: 9277593824

Q.10 The following question is based on the five three-digit numbers given below. 295 567 876 456 345

If in each number second and third digits are interchanged, then how many even numbers are there?

- Ans X A. 1
 - X B. 3
 - √ C. 2
 - X D. 4

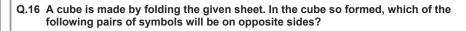
Question ID: 9277593826

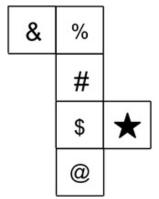
Q.11 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans

- X A. NASA
- X B. ISRO
- C. WHO
- 🗙 D. JAXA

Q.12	Find the wrong term in	the given series.					
	AC, BE, EI, JO, QV						
Ans	🗙 A. El						
	🔀 B. JO						
	✓ C. QV						
	🗙 D. BE						
						Question ID : 9277593820	0
	A's sister is the wife of grandmother. F is E's					A ?	
Ans	X A. Son						
	B. Sister's son						
	X C. Father						
	X D. Brother						
						Question ID : 9277593828	<u> </u>
						Question iD . 9277593626	
	Out of the given option NOT like the other three					n is	
Ans	X A. 64 - 81						
	X B. 36 - 49						
	➤ B. 36 - 49 ✓ C. 49 - 81						
	X B. 36 - 49						
	➤ B. 36 - 49 ✓ C. 49 - 81					Question ID : 927759381 7	7
	➤ B. 36 - 49 ✓ C. 49 - 81					Question ID : 927759381 7	7
	➤ B. 36 - 49 ✓ C. 49 - 81		term on the sa	ame basis a	as the second		7
	 ★ B. 36 - 49 ★ C. 49 - 81 ★ D. 16 - 25 Select the option that i is related to the first te 56: 67:: 42:?		term on the sa	ame basis a	as the second		7
	➤ B. 36 - 49 ➤ C. 49 - 81 ➤ D. 16 - 25 Select the option that i is related to the first te		term on the sa	ame basis a	as the second		7
Q.15	 ★ B. 36 - 49 ★ C. 49 - 81 ★ D. 16 - 25 Select the option that i is related to the first te 56: 67:: 42:?		term on the sa	ame basis a	as the second		7
Q.15	 ★ B. 36 - 49 ★ C. 49 - 81 ★ D. 16 - 25 Select the option that i is related to the first te 56:67:42:? ★ A. 76 		term on the sa	ame basis a	as the second		7
Q.15	 ★ B. 36 - 49 ★ C. 49 - 81 ★ D. 16 - 25 Select the option that i is related to the first te 56:67::42:? ★ A. 76 ★ B. 48 		term on the sa	ame basis a	as the second		7
Q.15	 ★ B. 36 - 49 ★ C. 49 - 81 ★ D. 16 - 25 Select the option that i is related to the first te 56:67::42:? ★ A. 76 ★ B. 48 ★ C. 60 		term on the sa	ame basis a	as the second		





Ans

✓ A. % and \$

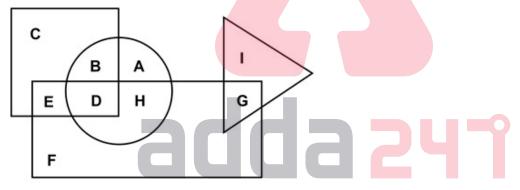
X B. # and *

X C. @ and %

X D. & and \$

Question ID: 9277593835

Q.17 In the following Venn Diagram, the triangle represents 'lawyers', the circle represents 'Indians', the square represents 'Doctors' and the rectangle represents 'teachers'. Which letter or set of letters represents the teachers who are neither Indians nor lawyers?

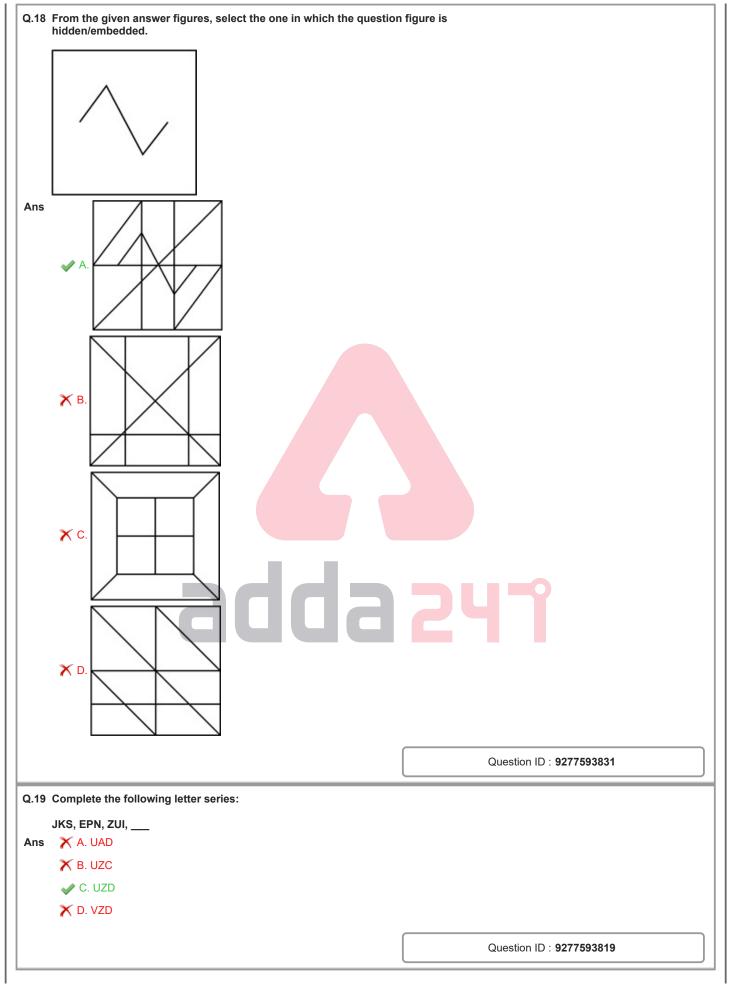


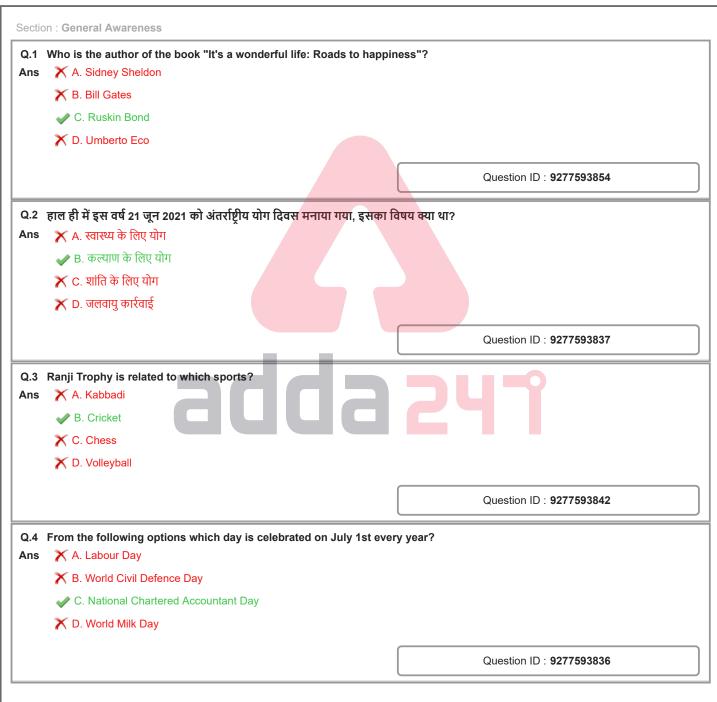
Ans X A. C

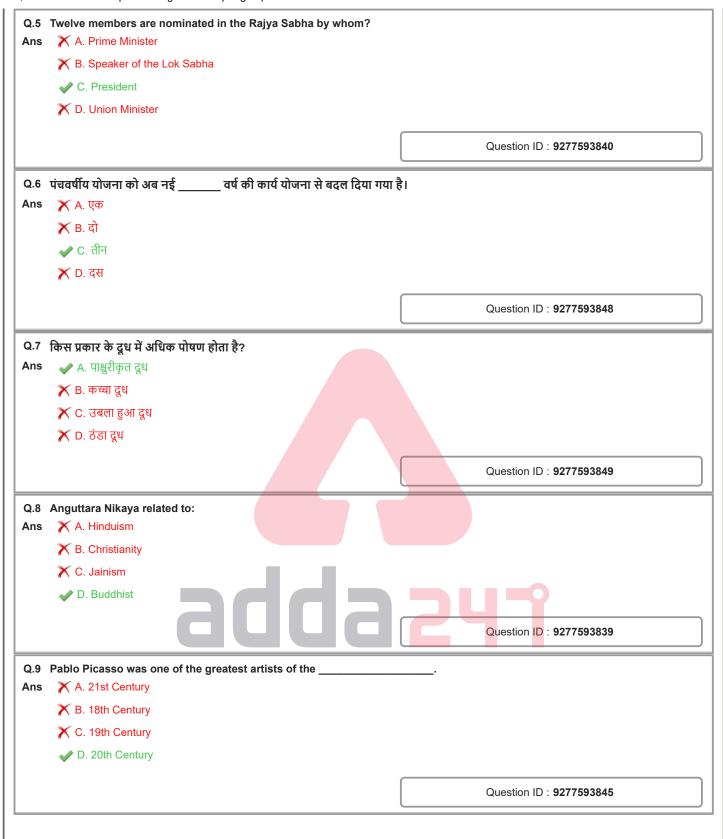
X B. A

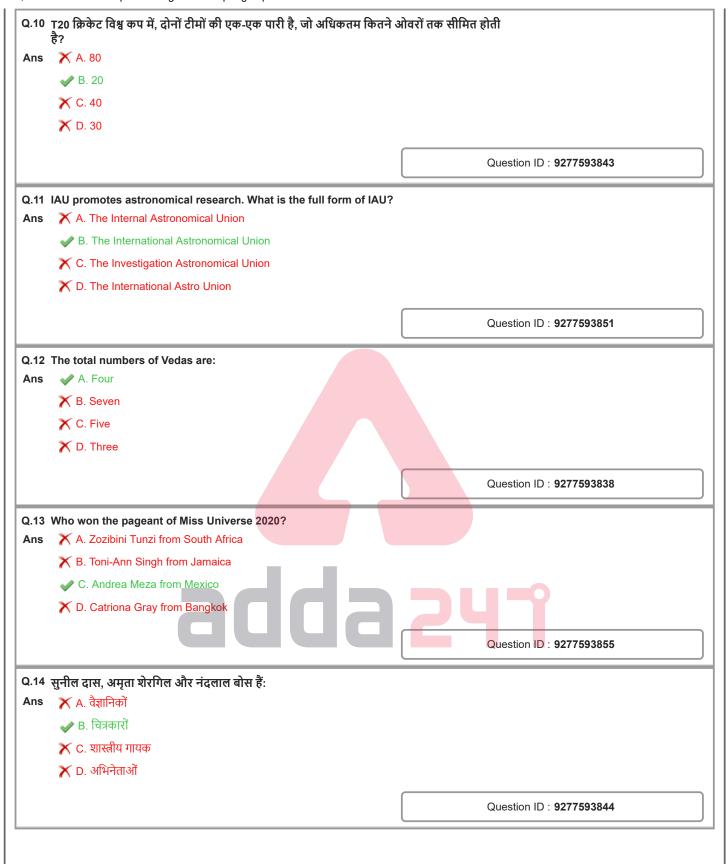
C. E and F

X D. I

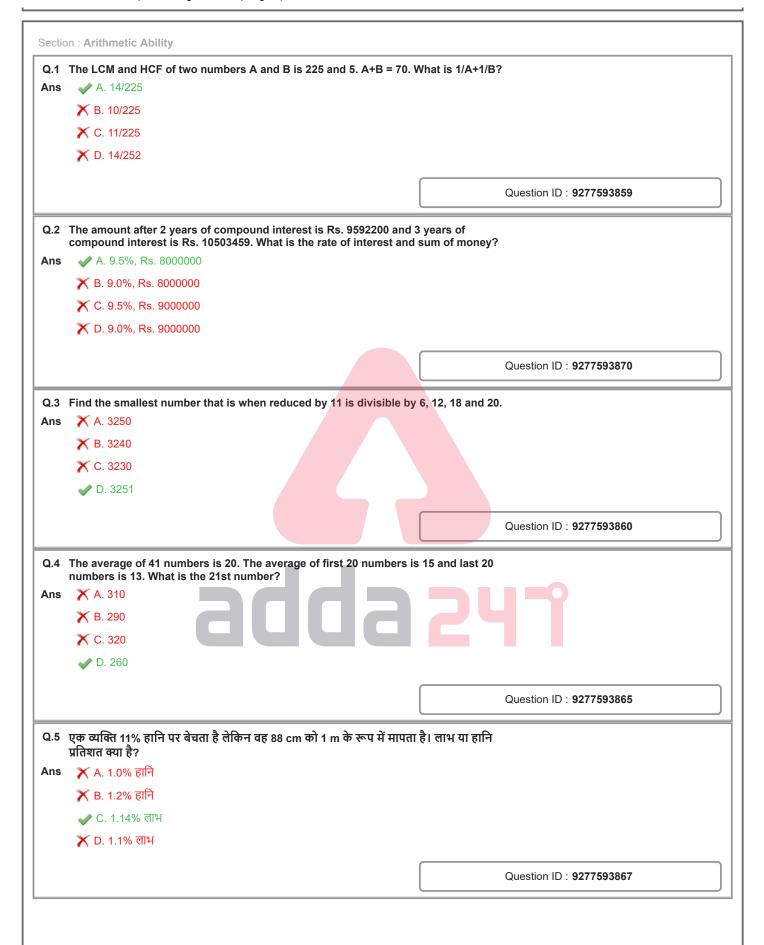


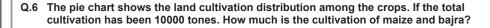


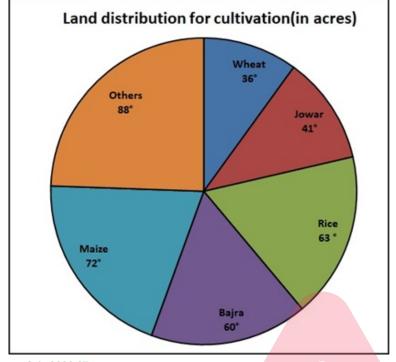




Q.15	Aedes is a genus of "	<u></u>
Ans	A. Mosquitoes	
	X B. Humans	
	X C. Birds	
	X D. Animals	
		Question ID : 9277593852
O 16	वर्तमान में (अगस्य २०२४ वरू)	कितने देश संयुक्त राष्ट्र सुरक्षा परिषद के स्थायी सदस्य हैं?
Ans	्र A. बीस	ाणतम देश तपुष्त राष्ट्र तुरक्षा पारपद क स्पापा तदस्य हं?
	X B. पंद्रह	
	X C. दस	
	✓ D. पांच	
	D. 414	
		Question ID : 9277593853
	Mainly which vitamin prot	ects teeth?
Ans	X A. Vitamin B12	
	✓ B. Vitamin D	
	C. Vitamin B6	
	X D. Vitamin E	
		Question ID : 9277593850
		Question in . 327733333
Q.18	कार्बी आंगलोंग पठार किस क्षेत्र	या राज्य में स्थि <mark>त है?</mark>
Ans	🗙 A. हिमाचल	
	🗙 B. गुजरात	
	৵ C. असम	
	🗙 D. मेघालय	
		Question ID : 9277593846
O 10	Which article of the Indian	Constitution is related to the election of the President?
Ans	X A. Article 51	Constitution is related to the election of the President:
	X B. Article 45	
	C. Article 23	
	✓ D. Article 55	
	D. Attiolo 00	
		Question ID : 9277593841
Q.20	देवप्रयाग किस शहर का एक न	गर है?
Ans	🗙 A. गुजरात	
	🗙 B. मध्य प्रदेश	
	🥓 C. उत्तराखंड	
	🗙 D. हिमाचल प्रदेश	
		Outpetitus ID : ACTTFORMET
		Question ID : 9277593847







Ans

A. 3666.67 tonnes

X B. 3664 tonnes

X C. 3667 tonnes

X D. 3665 tonnes

Question ID: 9277593874

Q.7 A man marks 27% profit on the cost price. He gives a 18% discount on the list price. What is the actual gain percentage?

Ans

X A. 4.0%

X C. 4.5%

X D. 5.0%

Question ID: 9277593868

Q.8 The capacity of a cylindrical box is 81466 cubic cm. The radius is 23 cm. What is the height of the box?

Ans

X A. 47 cm

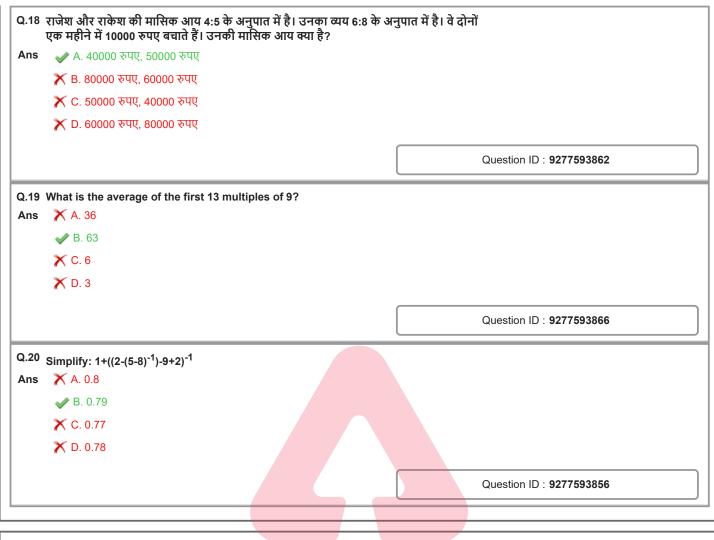
X B. 50 cm

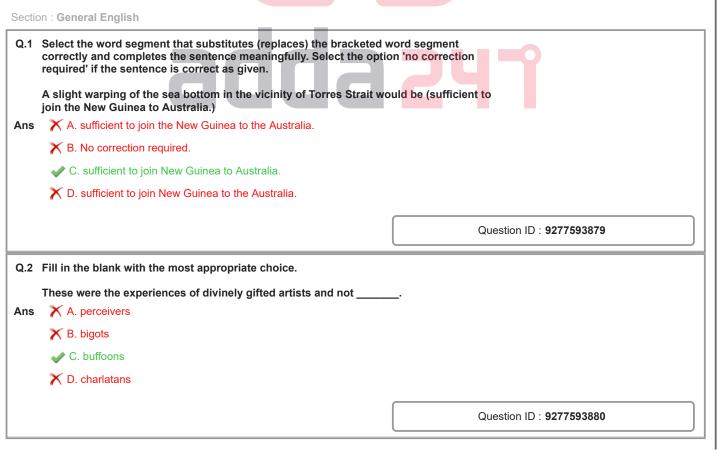
✓ C. 49 cm

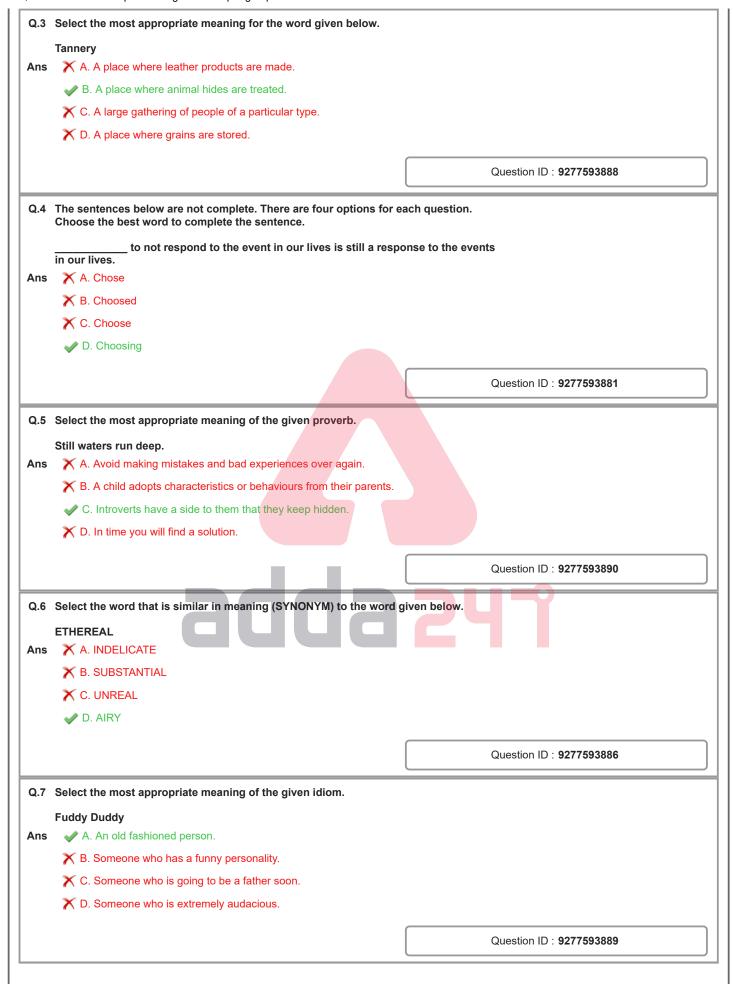
X D. 48 cm

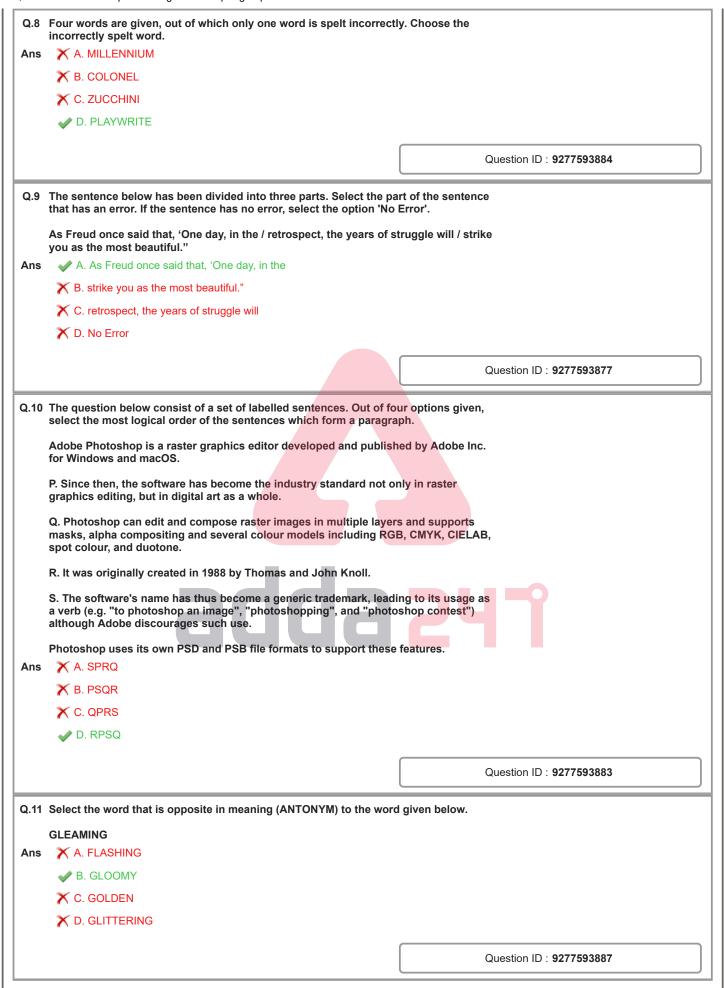
Ano	be increased so that the consumption	by 11% then how much the consumption should expenditure is not decreased?
Ans	• •	
	✓ B. 12.36% C. 12.0%	
	X D. 11.0%	
		Question ID : 9277593864
Q.10		ays and Ramesh can do the same work in 18 long will they take to complete the work?
Ans	✓ A. 6 days	
	X B. 4 days	
	★ C. 5 days	
	X D. 7 days	
		Question ID : 9277593872
Q.11		what is the value of P+Q+R+S+T? (The digit P is in hundredth's place, S is in thousandth's place
Ans	X A. 5.4332	
	✓ B. 5.2343	
	× C. 4.2334	
	X D. 5.2433	
		Question ID : 9277593857
Q.12	राम फर्नीचर बेचता है। एक कुर्सी का अंकित उसके बाद श्याम ने सौदेबाजी की और 1780	Question ID : 9277593857 मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली?
Q.12 Ans		
	X A. 12.7%	
	X A. 12.7% ✓ B. 12.47%	
	X A. 12.7% ✓ B. 12.47% X C. 12.4%	
Ans	X A. 12.7% ✓ B. 12.47% X C. 12.4% X D. 12.74%	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटौ का बजट 120 रुपए का है। मूल मूल्य क्या है?	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली?
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटो का बजट 120 रुपए का है। मूल मूल्य क्या है? ★ A. 18	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटौ का बजट 120 रुपए का है। मूल मूल्य क्या है? ★ A. 18 ★ B. 30 	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटी का बजट 120 रुपए का है। मूल मूल्य क्या है? ★ A. 18 ★ B. 30 ★ C. 12 	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटौ का बजट 120 रुपए का है। मूल मूल्य क्या है? ★ A. 18 ★ B. 30 	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869
Ans	 ★ A. 12.7% ★ B. 12.47% ★ C. 12.4% ★ D. 12.74% चावल का मूल्य 20% से कम हो गया है। कटी का बजट 120 रुपए का है। मूल मूल्य क्या है? ★ A. 18 ★ B. 30 ★ C. 12 	मूल्य 24500 रुपए था। उसने श्याम को 17% की छूट दी। 0 में कुर्सी ले ली। दूसरी छूट क्या है जो श्याम को मिली? Question ID : 9277593869

Q.14 There are two equations 7x+8z-9y = 5 and 9x-8z+6y = -5. What is x:y? X A. 16:3 X C. 3:1 X D. 16:1 Question ID: 9277593861 Q.15 A man walks 5/7 of his usual speed and reaches 10 minutes late. Find his usual time. ✓ A. 25 mins X B. 52 mins X C. 35 mins X D. 50 mins Question ID: 9277593873 Q.16 The graph shows the year on year production of sugar. In how many years the production of sugar has decreased by more than 10% over the production in previous year? 700 630 597 601 600 520 488 Sugar in tonnes 500 431 400 300 200 100 0 2016 2017 2018 2019 2015 2020 Year X A. 2 Ans ✓ B. 1 X C. 3 X D. 0 Question ID: 9277593875 Q.17 If a/b = 7/8 and 7a+14b+10 = 35 then what is the value of a? X A. 21/20 Ans X C. 20/21 X D. 23/25 Question ID: 9277593858









Q.12	Select the word that is similar in meaning (SYNONYM) to the word given below.			
	CANONIZATION			
Ans	★ A. VETO			
	★ B. MOBILIZATION			
	✓ C. RECOGNITION			
	➤ D. COMPARISON			
	Question ID : 9277593885			
Q.13	13 Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.			
	Pit bull is a term used in			
	P. the United Kingdom the term is used as an abbreviation			
	Q. the United States for a type of dog			
	R. while in other countries such as			
	S. descended from bulldogs and terriers,			
	of the American Pit Bull Terrier breed.			
Ans	X A. SRQP			
	◆ B. QSRP			
	X C. RPQS			
	X D. PQRS			
	Question ID : 9277593882			
	Question id. 3217333002			
Q.14	The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.			
	If creative spirit of Periclean age be / manifested in the Parthenon, then the Bolshevist era is manifested / through its cubist grimace.			
Ans	A. through its cubist grimace.			
	B. If creative spirit of Periclean age be			
	C. No Error			
	X D. manifested in the Parthenon, then the Bolshevist era is manifested			
	Question ID : 9277593876			
Q.15	.15 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.			
	Thank you for inviting me but the day has been exhausting, (I will neither watch a movie or go to sleep.)			
Ans	X A. I will be neither watching a movie or go to sleep.			
	✓ B. I will either watch a movie or go to sleep.			
	★ C. I will either watch a movie nor go to sleep.			
	➤ D. No correction required.			
	Question ID : 9277593878			
	Question iD . 32//3330/0			

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In Greek mythology, the Amazons are portrayed in a number of ancient epic poems and legends, such as the Labours of Hercules, the Argonautica and the Iliad. They were a group of female warriors and hunters, who matched men in physical agility and strength, in archery, riding skills and the arts of combat. Their society was closed for men and they only raised their daughters, either killing their sons or returning them to their fathers, with whom they would only socialize briefly in order to reproduce. Courageous and fiercely independent, the Amazons, commanded by their queen, regularly undertook extensive military expeditions into the far corners of the world, from Scythia to Thrace, Asia Minor and the Aegean Islands, reaching as far as Arabia and Egypt. Besides military raids, the Amazons are also associated with the foundation of temples and the establishment of numerous ancient cities like Ephesos, Cyme, Smyrna, Sinope, Myrina, Magnesia, Pygela, etc.

The texts of the original myths envisioned the homeland of the Amazons at the periphery of the then known world. Various claims to the exact place ranged from provinces in Asia Minor (Lycia, Caria etc.) to the steppes around the Black Sea, or even Libya. However, authors most frequently referred to Pontus in northern Anatolia, on the southern shores of the Black Sea, as the independent Amazon kingdom where the Amazon queen resided at her capital Themiscyra, on the banks of the Thermodon river. Decades of archaeological discoveries of countless burial sites of female warriors, including royalty, in the Eurasian Steppes prove that the horse cultures of Scythian, Sarmatian, Hittite and other women have inspired and fundamentally defined the Amazon myth. In 2019, a grave with multiple generations of female Scythian warriors, armed and in golden headdresses, was found near Russia's Voronezh.

SubQuestion No: 16

Q.16 On the basis of your reading of the above passage, select the most appropriate heading for the same.

X A. Aegean Island Warriors

B. Scythian Warriors

X C. Greek Mythology

D. The Amazons



A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In Greek mythology, the Amazons are portrayed in a number of ancient epic poems and legends, such as the Labours of Hercules, the Argonautica and the Iliad. They were a group of female warriors and hunters, who matched men in physical agility and strength, in archery, riding skills and the arts of combat. Their society was closed for men and they only raised their daughters, either killing their sons or returning them to their fathers, with whom they would only socialize briefly in order to reproduce. Courageous and fiercely independent, the Amazons, commanded by their queen, regularly undertook extensive military expeditions into the far corners of the world, from Scythia to Thrace, Asia Minor and the Aegean Islands, reaching as far as Arabia and Egypt. Besides military raids, the Amazons are also associated with the foundation of temples and the establishment of numerous ancient cities like Ephesos, Cyme, Smyrna, Sinope, Myrina, Magnesia, Pygela, etc.

The texts of the original myths envisioned the homeland of the Amazons at the periphery of the then known world. Various claims to the exact place ranged from provinces in Asia Minor (Lycia, Caria etc.) to the steppes around the Black Sea, or even Libya. However, authors most frequently referred to Pontus in northern Anatolia, on the southern shores of the Black Sea, as the independent Amazon kingdom where the Amazon queen resided at her capital Themiscyra, on the banks of the Thermodon river. Decades of archaeological discoveries of countless burial sites of female warriors, including royalty, in the Eurasian Steppes prove that the horse cultures of Scythian, Sarmatian, Hittite and other women have inspired and fundamentally defined the Amazon myth. In 2019, a grave with multiple generations of female Scythian warriors, armed and in golden headdresses, was found near Russia's Voronezh.

SubQuestion No: 17

Q.17 According the above passage, which of the following is not a skill of the women warriors mentioned in the passage?

X A. Horse Riding

X B. Art of Combat

X C. Archery

D. Vagabond



A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In Greek mythology, the Amazons are portrayed in a number of ancient epic poems and legends, such as the Labours of Hercules, the Argonautica and the Iliad. They were a group of female warriors and hunters, who matched men in physical agility and strength, in archery, riding skills and the arts of combat. Their society was closed for men and they only raised their daughters, either killing their sons or returning them to their fathers, with whom they would only socialize briefly in order to reproduce. Courageous and fiercely independent, the Amazons, commanded by their queen, regularly undertook extensive military expeditions into the far corners of the world, from Scythia to Thrace, Asia Minor and the Aegean Islands, reaching as far as Arabia and Egypt. Besides military raids, the Amazons are also associated with the foundation of temples and the establishment of numerous ancient cities like Ephesos, Cyme, Smyrna, Sinope, Myrina, Magnesia, Pygela, etc.

The texts of the original myths envisioned the homeland of the Amazons at the periphery of the then known world. Various claims to the exact place ranged from provinces in Asia Minor (Lycia, Caria etc.) to the steppes around the Black Sea, or even Libya. However, authors most frequently referred to Pontus in northern Anatolia, on the southern shores of the Black Sea, as the independent Amazon kingdom where the Amazon queen resided at her capital Themiscyra, on the banks of the Thermodon river. Decades of archaeological discoveries of countless burial sites of female warriors, including royalty, in the Eurasian Steppes prove that the horse cultures of Scythian, Sarmatian, Hittite and other women have inspired and fundamentally defined the Amazon myth. In 2019, a grave with multiple generations of female Scythian warriors, armed and in golden headdresses, was found near Russia's Voronezh.

SubQuestion No: 18

Q.18 On the basis of your reading of the above passage, which of the following is not an ancient city developed by the subject of the passage?

A. Thermodon

X B. Pygela

X C. Ephesos

X D. Cyme



A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In Greek mythology, the Amazons are portrayed in a number of ancient epic poems and legends, such as the Labours of Hercules, the Argonautica and the Iliad. They were a group of female warriors and hunters, who matched men in physical agility and strength, in archery, riding skills and the arts of combat. Their society was closed for men and they only raised their daughters, either killing their sons or returning them to their fathers, with whom they would only socialize briefly in order to reproduce. Courageous and fiercely independent, the Amazons, commanded by their queen, regularly undertook extensive military expeditions into the far corners of the world, from Scythia to Thrace, Asia Minor and the Aegean Islands, reaching as far as Arabia and Egypt. Besides military raids, the Amazons are also associated with the foundation of temples and the establishment of numerous ancient cities like Ephesos, Cyme, Smyrna, Sinope, Myrina, Magnesia, Pygela, etc.

The texts of the original myths envisioned the homeland of the Amazons at the periphery of the then known world. Various claims to the exact place ranged from provinces in Asia Minor (Lycia, Caria etc.) to the steppes around the Black Sea, or even Libya. However, authors most frequently referred to Pontus in northern Anatolia, on the southern shores of the Black Sea, as the independent Amazon kingdom where the Amazon queen resided at her capital Themiscyra, on the banks of the Thermodon river. Decades of archaeological discoveries of countless burial sites of female warriors, including royalty, in the Eurasian Steppes prove that the horse cultures of Scythian, Sarmatian, Hittite and other women have inspired and fundamentally defined the Amazon myth. In 2019, a grave with multiple generations of female Scythian warriors, armed and in golden headdresses, was found near Russia's Voronezh.

SubQuestion No: 19

- Q.19 Three assertions are given below (A, B & C) on the basis of your understanding of the passage, which one of the options is correct?
 - A. On the banks of the Thermodon river, Amazon queen resided at her capital Themiscyra.
 - B. The Scythian warriors are a myth.
 - C. The Amazons had a matriarchal society.

X A. B and C are correct. Ans

B. All are correct.

C. Only A is correct.

D. B is correct.

 $https://cdn.digialm.com//per/g01/pub/1258/touchstone/AssessmentQPHTMLMode1/1258O21338/1258O21338S1D12/16309041477676309/112903... \\ 24/50 -$

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

In Greek mythology, the Amazons are portrayed in a number of ancient epic poems and legends, such as the Labours of Hercules, the Argonautica and the Iliad. They were a group of female warriors and hunters, who matched men in physical agility and strength, in archery, riding skills and the arts of combat. Their society was closed for men and they only raised their daughters, either killing their sons or returning them to their fathers, with whom they would only socialize briefly in order to reproduce. Courageous and fiercely independent, the Amazons, commanded by their queen, regularly undertook extensive military expeditions into the far corners of the world, from Scythia to Thrace, Asia Minor and the Aegean Islands, reaching as far as Arabia and Egypt. Besides military raids, the Amazons are also associated with the foundation of temples and the establishment of numerous ancient cities like Ephesos, Cyme, Smyrna, Sinope, Myrina, Magnesia, Pygela, etc.

The texts of the original myths envisioned the homeland of the Amazons at the periphery of the then known world. Various claims to the exact place ranged from provinces in Asia Minor (Lycia, Caria etc.) to the steppes around the Black Sea, or even Libya. However, authors most frequently referred to Pontus in northern Anatolia, on the southern shores of the Black Sea, as the independent Amazon kingdom where the Amazon queen resided at her capital Themiscyra, on the banks of the Thermodon river. Decades of archaeological discoveries of countless burial sites of female warriors, including royalty, in the Eurasian Steppes prove that the horse cultures of Scythian, Sarmatian, Hittite and other women have inspired and fundamentally defined the Amazon myth. In 2019, a grave with multiple generations of female Scythian warriors, armed and in golden headdresses, was found near Russia's Voronezh.

SubQuestion No: 20

Q.20 According the above passage, which of the following adjective is incorrect with reference to the women warriors & their society mentioned in the passage?

Ans

A. Self-effacing

X B. Robust

X C. Autonomous

X D. Courageous

Question ID: 9277593896

Section: General Hindi

Q.1 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो विराम चिह्न युक्<mark>त वाक्य</mark> क<mark>ा सही</mark> विकल्प है।

Ans X A. स्मिता ,महक ,श्वेता आदि भी आई हैं , ये सब अब बाजार जायेंगी ;

🗙 B. स्मिता ,महक ,श्वेता आदि भी आई हैं , ये सब अब बाजार जायेंगी

🗶 C. स्मिता ,महक ,श्वेता आदि भी आई हैं , ये सब अब बाजार जायेंगी"

✔ D. स्मिता ,महक ,श्वेता आदि भी आई हैं , ये सब अब बाजार जायेंगी ।

Question ID: 9277593908

Q.2 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए शब्द का समानार्थी शब्द नहीं है |

तबीयत

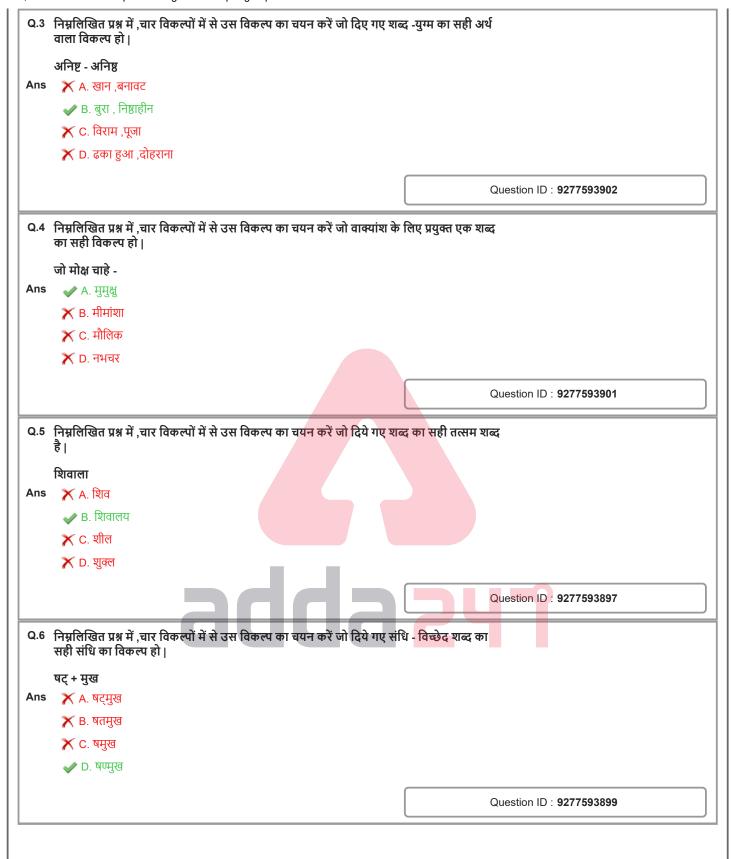
Ans

🟋 A. दशा

🗙 B. हालचाल

🚀 C. गात्र

🟋 D. अवस्था



Q.7	निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिये गए संधि शब्द का सही संधि- विच्छेद शब्द का विकल्प हो				
	जगज्जीवन				
Ans	✔ A. जगत् + जीवन				
	🗶 B. जग + जीवन				
	🗶 C. जगवन				
	🗙 D. जगद + जीवन				
	0				
	Question ID : 9277593900				
Q.8	Q.8 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के काल भेद का सही विकल्प है				
	यदी मैंने निबंध लिखा होता, तो मुझे इनाम अवश्य मिलता।				
Ans					
	🗙 C. सन्दिग्ध भूतकाल				
	🗙 D. सामान्य भविष्यत् काल				
	Question ID : 9277593905				
Q.9	निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का च <mark>यन करें जो शुद्ध शब्द का सही</mark> विकल्प हो				
Ans	★ A. चहाता				
	Х В. अनुशरण				
	🗶 C. आक्षादन				
	✔ D. ज्योत्सना				
	Question ID : 9277593903				
	निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के भेद का सही विकल्प है परिश्रमी कभी निराश नहीं होते				
Ans	🗙 A. प्रश्न वाचक वाक्य				
	🔀 छ. संयुक्त वाक्य				
	✓ C. सरल वाक्य				
	🗶 D. मिश्रित वाक्य				
	Question ID : 9277593907				
_					
Q.11	निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो विराम चिह्न युक्त वाक्य का सही विकल्प है				
Ans	🗙 A. नहीं कल मैं तुम्हारे घर नहीं आ सकूंगी				
	🗙 B. नहीं , कल मैं तुम्हारे घर नहीं आ सकूंगी				
	✓ C. नहीं , कल मैं तुम्हारे घर नहीं आ सळूंगी				
	🗙 D. नहीं , कल मैं तुम्हारे घर नहीं आ सकूंगी "				
	1 St. 1613 and all Right are the an ork in				
	Question ID : 9277593909				

Q.12 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए मुहावरे का सही अर्थ हो। ठहाका मारना -Ans 🥓 A. जोर से हँसना 🗙 в. दुखभरी सांस लेना 🗶 C. शेखी मारना 🗙 D. खुशामद करना Question ID: 9277593910 Q.13 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिए गए वाक्य के भेद का सही विकल्प है। राम बहुत तेज़ दौड़ा था तथा भी प्रथम न आ सका। Ans X A. सरल वाक्य 🗶 В. मिश्रित वाक्य 🥓 C. संयुक्त वाक्य 🗶 D. प्रश्न वाचक वाक्य Question ID: 9277593906 Q.14 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चय<mark>न करें जो दिए गए लोकोक्ति</mark> का सही अर्थ हो एक अकेला, दो ग्यारह= Ans \chi A. ऐसे लोग जिनके कहीं कोई इज्जत न हो X B. कष्ट सहने के लिए तैयार व्यक्ति को कष्ट का डर नहीं रहता 🗙 D. किसी कार्य को संपन्न कराने के लिए किसी एक समर्थ व्यक्ति का सहारा लेना | Question ID: 9277593911 Q.15 निम्नलिखित प्रश्न में ,चार विकल्पों में से उस विकल्प का चयन करें जो दिये गए शब्द <mark>का सही</mark> तदभव शब्द है | तीक्ष्ण Ans 🗙 A. अरक 🗙 C. ताम्बा 🗶 D. धुआँ Question ID: 9277593898

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें।

सत्य-व्यवहार एंव वचन को आखिर तप क्यों कहा गया है? इस प्रश्न का उत्तर सहज-सरल है कि विश्व में प्रेम और सत्य मार्ग पर चल पाना खांडे की धार पर चल पाने समान कठित हुआ करता है। सत्य के साधक और व्यवहारक के सामने हर कदम पर अनेक कठिनाइयों का सामना करना पड़ता है। उसके अपने भी उस सबसे घबराकर अक्सर साथ छोड़ दिया करते हैं। सब प्रकार के दबाव और कष्ट झेलते हुए सत्य के साधक और उपासक को अपनी राह पर अंकेले ही चलना पड़ता है। यदि व्यक्ति अपनी बुराई को छिपाता नहीं, बल्कि स्वीकार कर लेता है, तो उसमें स्थार की प्रत्येक संभावना बनी रहती है। लेकिन मानव अपने स्वभाव से बड़ा ही कमजोर और डरपोक हुआ करता है। वह बराई को छिपाने के लिए अक्सर झठ का सहारा लिया करता है। जब एक बार कोई झठ बोलता है तो उसे छिपाने के लिए उसे एक-के-बाद-एक निरंतर झूठ की राह पर बढ़ते जाने के लिए विवश होते जाना पड़ता है। फिर किसी भी प्रकार झुठों और झुठे व्यवहारों से पिंड छुड़ाना मुश्किल हो जाया करता है। मनुष्य सभी का घृणा का पात्र बनकर रह जाता है। जीवन एक प्रकार का बोझ साबित होने लगता है। इन्हीं सब व्यवहार मूलक तथ्यों के आलोक में सत्य के शोधक संत कवि ने झूठ को सबसे बड़ा पाप उचित ही ठहराया है।

SubQuestion No: 16

Q.16 सत्य के मार्ग पर चलना किसके समान है ?

🟋 B. बहुत आसान है

🗙 C. बाएँ हाथ का खेल है

🗙 D. सरल ही सरल है

Question ID: 9277593913

Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें।

सत्य-व्यवहार एंव वचन को आखिर तप क्यों कहा गया है? इस प्रश्न का उत्तर सहज-सरल है कि विश्व में प्रेम और सत्य मार्ग पर चल पाना खांडे की धार पर चल पाने समान कठित हुआ करता है। सत्य के साधक और व्यवहारक के सामने हर कदम पर अनेक कठिनाइयों का सामन<mark>ा करना पड़ता</mark> है। उसके अपने भी उ<mark>स सबसे घबरा</mark>कर अक्सर साथ छोड़ दिया करते हैं। सब प्रकार के दबाव और कष्ट झेलते हुए सत्य के साधक और उपासक को अपनी राह पर अकेले ही चलना पड़ता है। यदि व्यक्ति अपनी बुराई को छिपाता नहीं, बल्कि स्वीकार कर लेता है, तो उसमें सुधार की प्रत्येक संभावना बनी रहती है। लेकिन मानव अपने स्वभाव से बड़ा ही कमजोर और डरपोक हुआ करता है। वह बुराई को छिपाने के लिए अक्सर झूठ का सहारा लिया करता है। जब एक बार कोई झूठ बोलता है तो उसे छिपाने के लिए उसे एक-के-बाद-एक निरंतर झूठ की राह पर बढ़ते जाने के लिए विवश होते जाना पड़ता है। फिर किसी भी प्रकार झूठों और झूठे व्यवहारों से पिंड छुड़ाना मुश्किल हो जाया करता है। मनुष्य सभी का घुणा का पात्र बनकर रह जाता है। जीवन एक प्रकार का बोझ साबित होने लगता है। इन्हीं सब व्यवहार मूलक तथ्यों के आलोक में सत्य के शोधक संत कवि ने झूठ को सबसे बड़ा पाप उचित ही ठहराया है।

SubQuestion No: 17

Q.17 अनुच्छेद के लिए उचित शीर्षक दीजिये।

Ans 🗙 A. सत्यान्वेषी

🗶 B. सत्य और मिथ्या में अंतर

🗶 C. सत्य की जय होती है

🥒 D. सत्यमेव जयते

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें।

सत्य-व्यवहार एंव वचन को आखिर तप क्यों कहा गया है? इस प्रश्न का उत्तर सहज-सरल है कि विश्व में प्रेम और सत्य मार्ग पर चल पाना खांडे की धार पर चल पाने समान कठित हुआ करता है। सत्य के साधक और व्यवहारक के सामने हर कदम पर अनेक कठिनाइयों का सामना करना पड़ता है। उसके अपने भी उस सबसे घबराकर अक्सर साथ छोड़ दिया करते हैं। सब प्रकार के दबाव और कष्ट झेलते हुए सत्य के साधक और उपासक को अपनी राह पर अंकेले ही चलना पड़ता है। यदि व्यक्ति अपनी बुराई को छिपाता नहीं, बल्कि स्वीकार कर लेता है, तो उसमें स्थार की प्रत्येक संभावना बनी रहती है। लेकिन मानव अपने स्वभाव से बड़ा ही कमजोर और डरपोक हुआ करता है। वह बराई को छिपाने के लिए अक्सर झठ का सहारा लिया करता है। जब एक बार कोई झठ बोलता है तो उसे छिपाने के लिए उसे एक-के-बाद-एक निरंतर झूठ की राह पर बढ़ते जाने के लिए विवश होते जाना पड़ता है। फिर किसी भी प्रकार झुठों और झुठे व्यवहारों से पिंड छुड़ाना मुश्किल हो जाया करता है। मनुष्य सभी का घृणा का पात्र बनकर रह जाता है। जीवन एक प्रकार का बोझ साबित होने लगता है। इन्हीं सब व्यवहार मूलक तथ्यों के आलोक में सत्य के शोधक संत कवि ने झूठ को सबसे बड़ा पाप उचित ही ठहराया है।

SubQuestion No: 18

Q.18 व्यक्ति का सुधार किस प्रकार संभव है ?

🧪 A. अपनी बुराई को न छिपाकर , उसे स्वीकार करना

🗶 B. अपनी बुराई कभी न मानना

\chi C. हमेशा झूठ बोलना

🗶 D. खुद की बडाई करना

Question ID: 9277593914

Comprehension:

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें।

सत्य-व्यवहार एंव वचन को आखिर तप क्यों कहा गया है? इस प्रश्न का उत्तर सहज-सरल है कि विश्व में प्रेम और सत्य मार्ग पर चल पाना खांडे की धार पर चल पाने समान कठित हुआ करता है। सत्य के साधक और व्यवहारक के सामने हर कदम पर अनेक कठिनाइयों का सामन<mark>ा करना पड़ता</mark> है। उसके अपने भी उ<mark>स सबसे घबरा</mark>कर अक्सर साथ छोड़ दिया करते हैं। सब प्रकार के दबाव और कष्ट झेलते हुए सत्य के साधक और उपासक को अपनी राह पर अकेले ही चलना पड़ता है। यदि व्यक्ति अपनी बुराई को छिपाता नहीं, बल्कि स्वीकार कर लेता है, तो उसमें सुधार की प्रत्येक संभावना बनी रहती है। लेकिन मानव अपने स्वभाव से बड़ा ही कमजोर और डरपोक हुआ करता है। वह बुराई को छिपाने के लिए अक्सर झूठ का सहारा लिया करता है। जब एक बार कोई झूठ बोलता है तो उसे छिपाने के लिए उसे एक-के-बाद-एक निरंतर झूठ की राह पर बढ़ते जाने के लिए विवश होते जाना पड़ता है। फिर किसी भी प्रकार झूठों और झूठे व्यवहारों से पिंड छुड़ाना मुश्किल हो जाया करता है। मनुष्य सभी का घुणा का पात्र बनकर रह जाता है। जीवन एक प्रकार का बोझ साबित होने लगता है। इन्हीं सब व्यवहार मूलक तथ्यों के आलोक में सत्य के शोधक संत कवि ने झूठ को सबसे बड़ा पाप उचित ही ठहराया है।

SubQuestion No: 19

Q.19 मनुष्य सभी का घुणा का पात्र क्यों बनता है ?

Ans 🔀 A. सबकी सहायता करने के कारण

🥒 B. झूठे व्यवहार के कारण

🗶 C. न्याय करने के कारण

🗙 D. सत्य बोलने के कारण

नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़ें और पूछे गए प्रश्नों का सर्वोत्तम उत्तर चुनें।

सत्य-व्यवहार एंव वचन को आखिर तप क्यों कहा गया है? इस प्रश्न का उत्तर सहज-सरल है कि विश्व में प्रेम और सत्य मार्ग पर चल पाना खांडे की धार पर चल पाने समान कठित हुआ करता है। सत्य के साधक और व्यवहारक के सामने हर कदम पर अनेक कठिनाइयों का सामना करना पड़ता है। उसके अपने भी उस सबसे घबराकर अक्सर साथ छोड़ दिया करते हैं। सब प्रकार के दबाव और कष्ट झेलते हुए सत्य के साधक और उपासक को अपनी राह पर अंकेले ही चलना पड़ता है। यदि व्यक्ति अपनी बुराई को छिपाता नहीं, बल्कि स्वीकार कर लेता है, तो उसमें सुधार की प्रत्येक संभावना बनी रहती है। लेकिन मानव अपने स्वभाव से बड़ा ही कमजोर और डरपोक हुआ करता है। वह बराई को छिपाने के लिए अक्सर झुठ का सहारा लिया करता है। जब एक बार कोई झुठ बोलता है तो उसे छिपाने के लिए उसे एक-के-बाद-एक निरंतर झूठ की राह पर बढ़ते जाने के लिए विवश होते जाना पड़ता है। फिर किसी भी प्रकार झुठों और झुठे व्यवहारों से पिंड छुड़ाना मुश्किल हो जाया करता है। मनुष्य सभी का घृणा का पात्र बनकर रह जाता है। जीवन एक प्रकार का बोझ साबित होने लगता है। इन्हीं सब व्यवहार मूलक तथ्यों के आलोक में सत्य के शोधक संत कवि ने झूठ को सबसे बड़ा पाप उचित ही ठहराया है।

SubQuestion No: 20

Q.20 जीवन' का विलोम शब्द क्या है ?

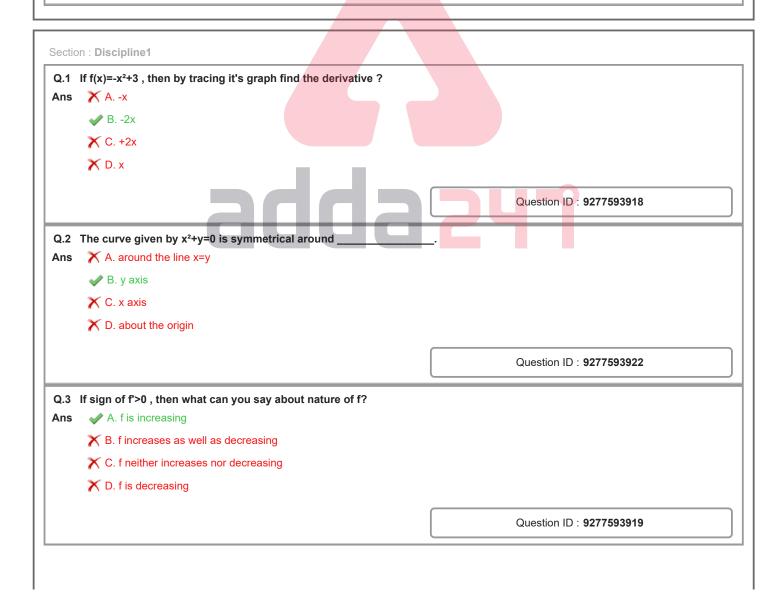
Ans

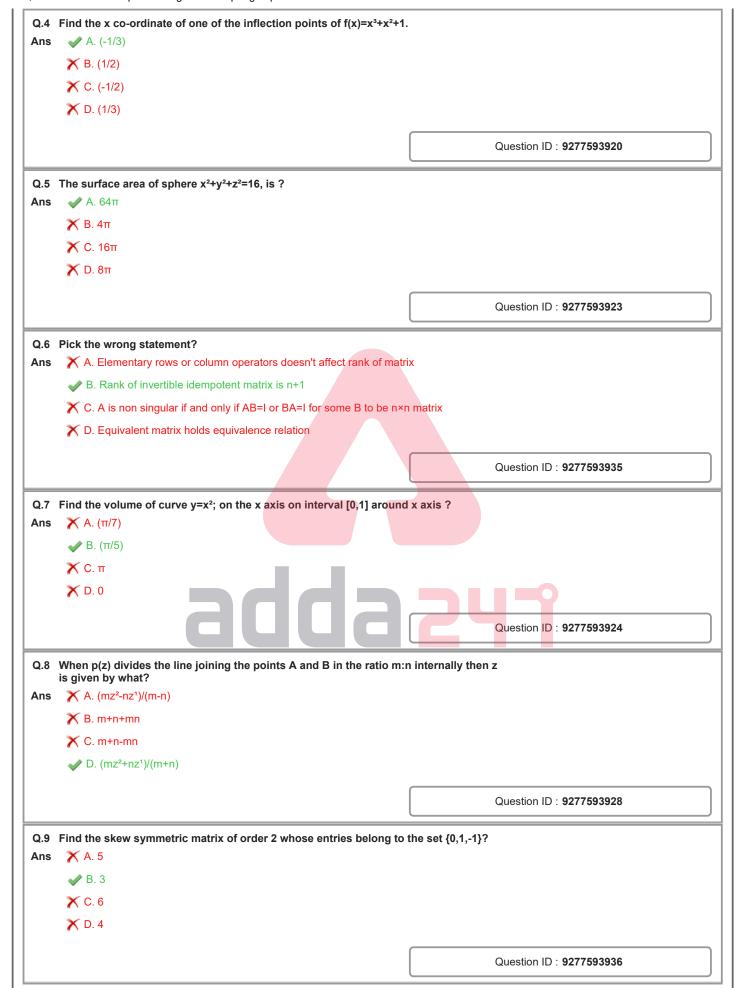
🥒 A. मरण

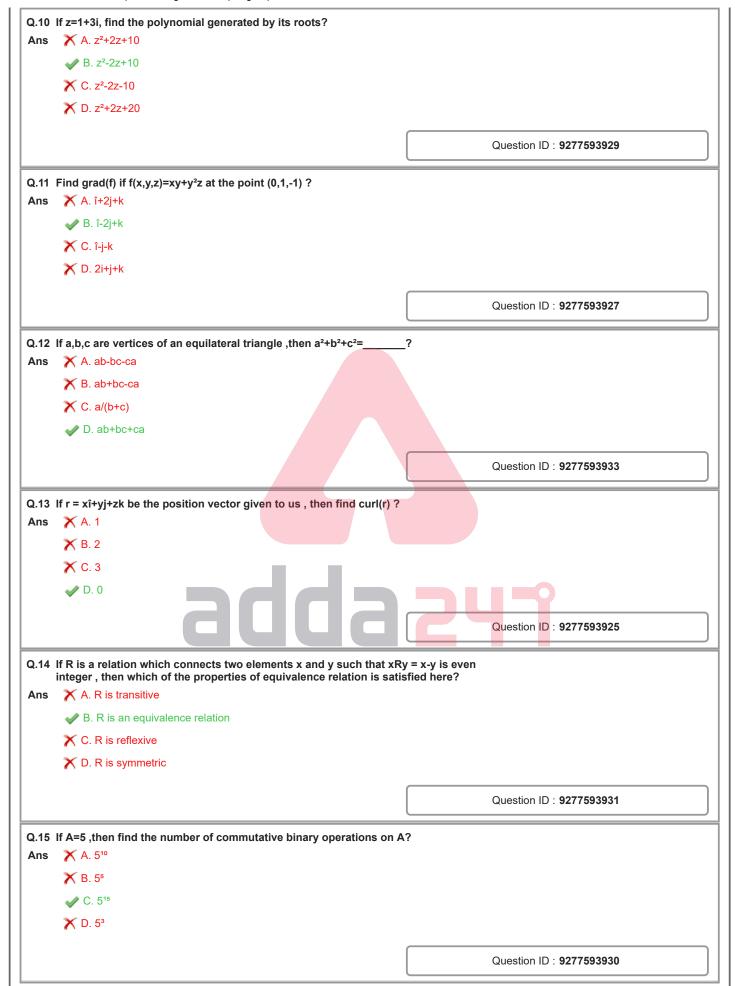
🟋 B. हयात

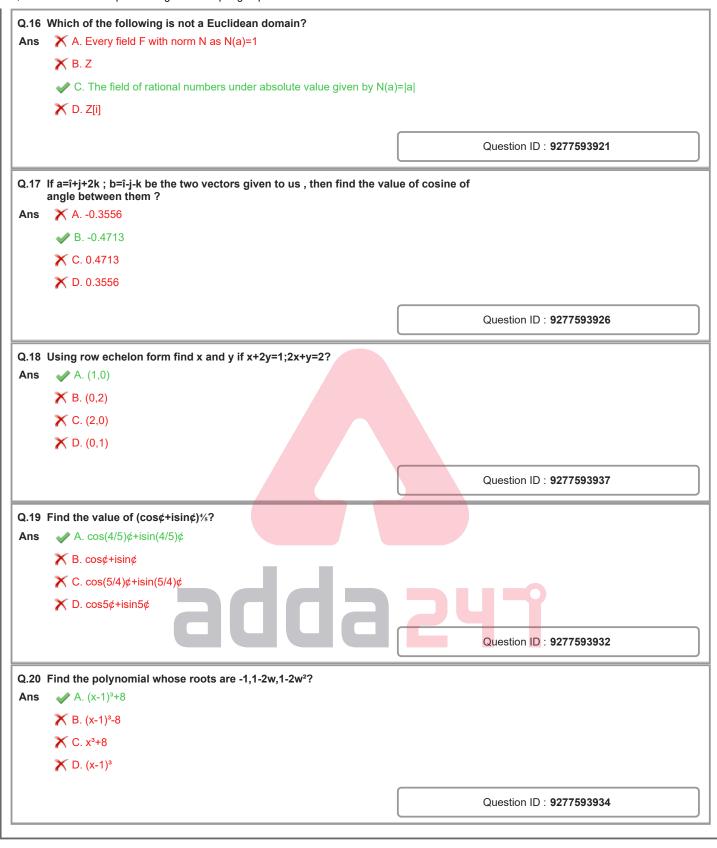
🗙 C. जान

🗙 D. प्राण









Section: Discipline2

Q.1	Which of the following is not a component of mathematical model?	
Ans	X A. variables	
	✓ B. factors	
	C. constants	
	X D. noise parameters	
		Question ID : 9277593956
		Quodion ib . 327733333
Q.2	If f={2,2 ² ,2 ³ ,}, then check about whether it is bounded above or bel unbounded?	ow or bounded or
Ans	X A. f is bounded above by 2 but not bounded below	
	X B. f is unbounded	
	C. f never attains its bound	
	◆ D. f is bounded below by 2 but unbounded above	
		Question ID : 9277593941
Q.3	Find the integrating factor of (y-xy²)dx-(x+x²y)dy ?	
Ans	★ A. 1/2y	
	★ B. y/2x	
	★ C. 1/2x	
	✓ D. 1/2xy	
		Question ID : 9277593954
Q.4	Which growth curve indicates that, "living organisms is growing in environment"?	natural
Ans	X A. parametric curve	
	X B. logistic curve	
	✓ C. sigmoid growth curve	
	➤ D. t curve	
		Question ID : 9277593952
Q.5	The series given by 1+(1/5)+(1/5²)+ is	
Ans	X A. oscillates infinitely	
	✗ B. oscillates finitely	
	★ C. divergent	
	✓ D. convergent	
		Question ID : 9277593946

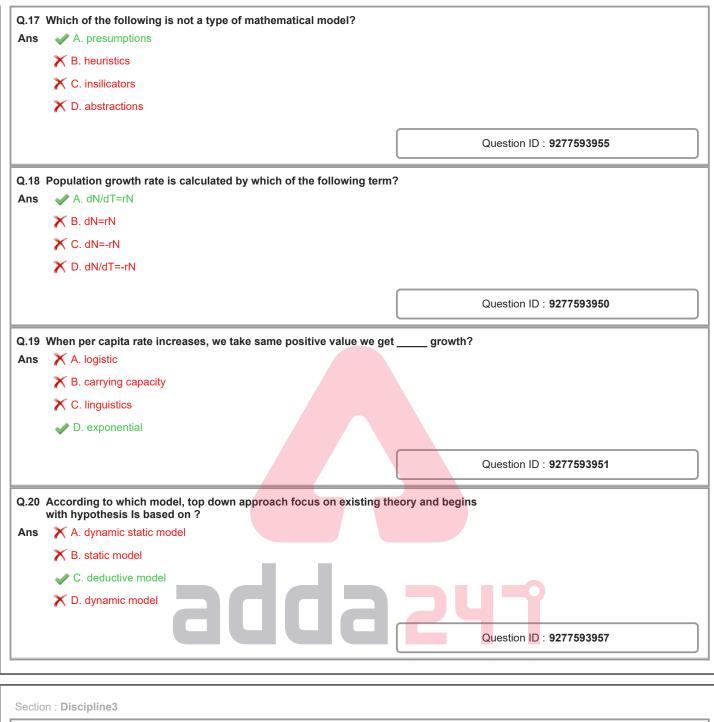
X A. approximate wrong results

B. estimated results

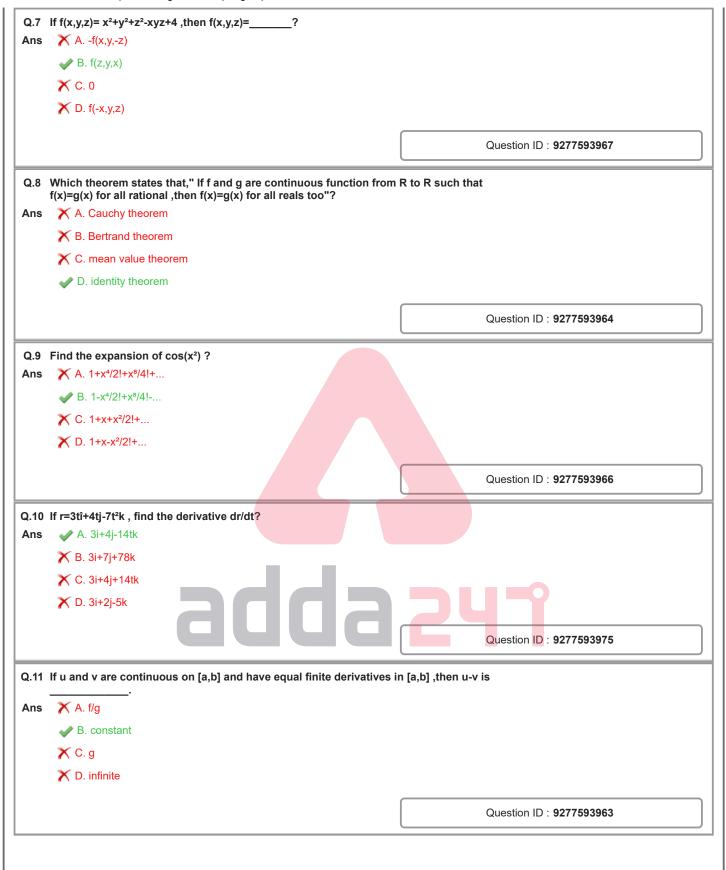
X C. accurate results

D. wrong results

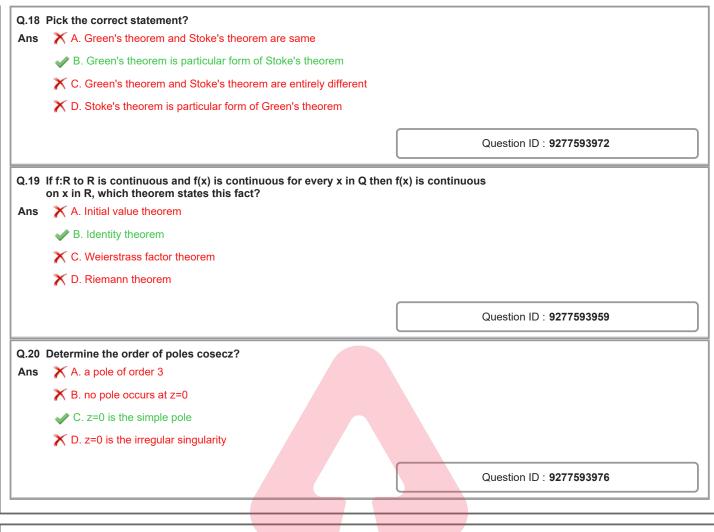
Q.11 Which of the following is uncountable? ✓ A. The unit interval [0,1] X B. The set of a rational numbers in [0,1] X C. Every subset of countable set X D. The set of all integers Question ID: 9277593938 Q.12 Find the range of the sequence given by f=<(1/n)>? X A. zero Ans X B. {1,1/3,1/5.,..} ✓ C. {1,1/2,1/3,...} X D. {1,2,3,...} Question ID: 9277593942 Q.13 The series given by 1/(2.3)+2/(3.4)+4/(4.5)+... is _ A. divergent X B. oscillates infinitely X C. convergent X D. oscillates finitely Question ID: 9277593945 Q.14 Solve the given differential equation y²dx+2xydy=0? Ans X A. yx²=k C. yx3=k X D. xy=k Question ID: 9277593953 Q.15 Which of the following statement is true? X A. The union of any arbitrary family of open sets is open X B. The intersection of an arbitrary number of open sets is open C. The intersection of any finite number of open sets is open X D. The intersection of any finite number of open set is closed Question ID: 9277593940 Q.16 Find the terms of the sequence given by <1+1/n²>? **Ans** X A. <1,2,3,..> **⊘** B. <2,5/4,10/9,...> X C. <1,1,1,...> X D. <1,1/4,1/9,..> Question ID: 9277593944

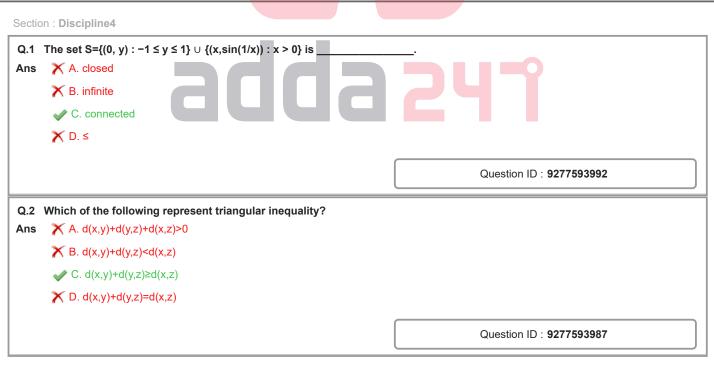


Q.2	Let F=xi+yj+zk ,then find the integral of F around the simple closed curve C over the boundary of surface S?		
Ans	✓ A. 0		
	★ B. 3		
	X C. 1		
	X D. 2		
	Question ID : 9277593974		
Q.3	3 According to which theorem , there exists a real number C between a and b such that f'(C)=0 whenever f'(a)f'(b)<0 such that f be defined and derivable on [a,b]?		
Ans	X A. Milne theorem		
	X B. Dirichilets theorem		
	★ C. riesz's theorem		
	✓ D. Darboux's theorem		
	Question ID: 9277593962		
Q.4	If f and g are Riemann integrable on [a,b] , then which of the following property doesn't holds ?		
Ans	X A. f² is R-integrable		
	★ B. max{f,g} is R-integrable		
	★ C. min{f,g} is R-integrable		
	✓ D. f is not R-integrable		
	Question ID : 9277593977		
Q.5	Taylor's theorem is mainly used in expressing the function as a sum with		
۵.0	terms ?		
Ans	✓ A. infinite		
	X B. finite		
	X C. complete		
	X D. partial		
	Question ID : 9277593965		
Q.6	Find the value of integral of f; where $f(x,y)=(x^2y+xy)dx+(x^2+y^2)dy$ over the limits -1 to 1?		
Ans	✓ A. 0		
	★ B. 1		
	★ C. 3		
	✗ D. 2		
	Question ID : 9277593973		



	Check about the nature of continuity of $f(x)=x/(x+1)$ in [0,2]?	
Ans	X A. not continuous	
	X B. not uniformly continuous	
	C. uniformly continuous	
	X D. continuous but not uniformly continuous	
		0 11 15 11
		Question ID : 9277593961
Q.13	Find the maximum and minimum values of f(x)= sin(sin(x)) respecti	ively ?
Ans	X A. sin(1) and sin(2)	
	➤ B. sin(2) and sin(1)	
	C. sin(1) and sin(-1)	
	✗ D. sin(0) and sin(90)	
		Question ID : 9277593969
Q.14	Find the limit of sin (y)/x ,where (x,y) approaches to (0,0)?	
Ans	× A. infinite	
	★ B. 0	
	✓ C. doesn't exist	
	X D. 1	
		Question ID : 9277593968
Ans	 ★ A. it is not uniformly continuous ★ B. discontinuous everywhere ★ C. can't say about continuity of f ✔ D. it is uniformly continuous 	547
		Question ID : 9277593960
0.40		
Q.16	Evaluate the triple integral of f(x.v.z)=xdxdvdz where x.v.z varies from	om 0 to 1?
Q.16 Ans	Evaluate the triple integral of $f(x,y,z)=xdxdydz$ where x,y,z varies from A. (1/5)	om 0 to 1?
		om 0 to 1?
	★ A. (1/5)	om 0 to 1?
	★ A. (1/5)✓ B. (1/2)	om 0 to 1?
	★ A. (1/5)★ B. (1/2)★ C. (1/4)	om 0 to 1?
	★ A. (1/5)★ B. (1/2)★ C. (1/4)	Om 0 to 1? Question ID : 9277593971
Ans	 ★ A. (1/5) ★ B. (1/2) ★ C. (1/4) ★ D. (1/3) 	Question ID : 9277593971
Ans	★ A. (1/5)★ B. (1/2)★ C. (1/4)	Question ID : 9277593971
Ans	 ★ A. (1/5) ★ B. (1/2) ★ C. (1/4) ★ D. (1/3) Find the limit of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point of the derivative of function f(x,y)=xy²/(x²+y²+y²+y²+y²+y²+y²+y²+y²+y²+y²+y²+y²+y²	Question ID : 9277593971
Ans	 ★ A. (1/5) ★ B. (1/2) ★ C. (1/4) ★ D. (1/3) Find the limit of the derivative of function f(x,y)=xy²/(x²+y⁴) at the po ★ A. 2 	Question ID : 9277593971
Ans	 ★ A. (1/5) ★ B. (1/2) ★ C. (1/4) ★ D. (1/3) Find the limit of the derivative of function f(x,y)=xy²/(x²+y⁴) at the point A. 2 ★ B. 0 	Question ID : 9277593971
Ans	 X A. (1/5) ✓ B. (1/2) X C. (1/4) X D. (1/3) Find the limit of the derivative of function f(x,y)=xy²/(x²+y⁴) at the pox A. 2 X B. 0 ✓ C. √2/3 	Question ID : 9277593971



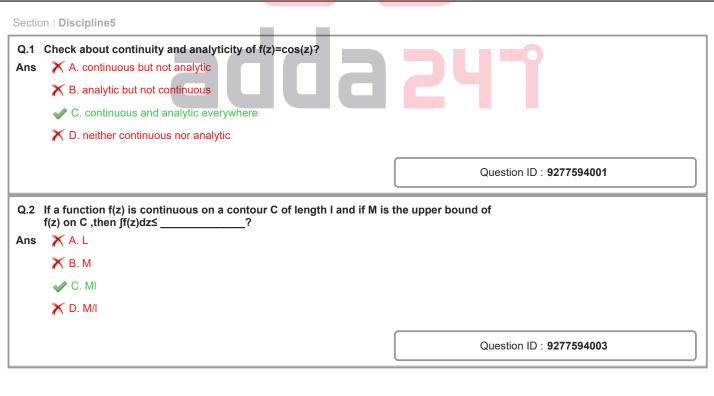


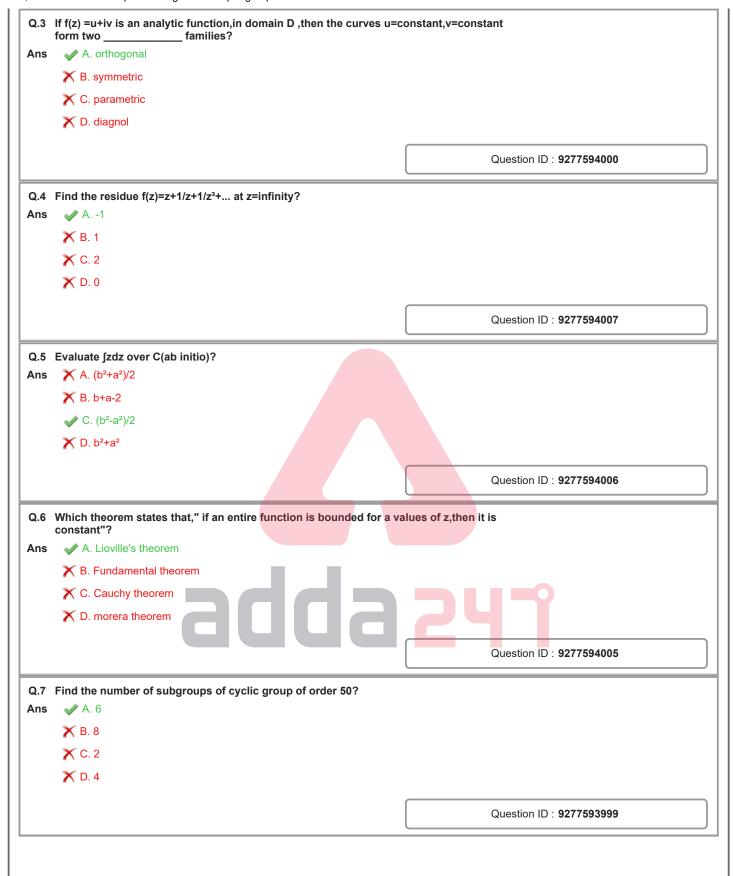
Q.3	Find point wise limit of the series <x (1+nx)="">?</x>	
Ans	X A. 1	
	✓ B. 0	
	X C. 2	
	X D. 3	
		Question ID : 9277593981
Q.4	Which of the following intervals are infinite?	
Ans	★ A. [a,b)	
	✓ B. [a,infinity)	
	X C. (a,b)	
	X D. [a,b]	
		Question ID : 9277593979
0.5	$\{x \in : (\ , \ y) \le r\}$ defined in metric space is known asb	pall.
Ans	X A. open	
	X C. semi-open	
	X D. semi-closed	
	· Commission	
		Question ID : 9277593989
	For a strict of the strict of	
Q.b	For a metric d on a non empty set X, the metric space is represer	nted as
Ans	★ A. (X,d]	
	X B. [X,d)	
	✓ C. (X,d)	
	★ D. [X,d]	
		Question ID : 9277593985
Q.7	Let D⊆R; f:D to R, be sequence of bounded function and series continuous to some function g, then	f is Uniformly
Ans	X A. g is unbounded	
	X B. g is infinite	
	★ C. g is finite	
	✓ D. g is bounded	
	-	

	Find the radius of convergence of series 1+x+x²+x³+?	
Ans	★ A. 3	
	✓ B. 1	
	X C. 0	
	X D. 2	
		0
		Question ID : 9277593983
Q.9	Find the cardinality of generating set for dihedral group?	
Ans	★ A. 1	
	✓ B. 2	
	X C. 3	
	X D. 4	
		Question ID : 9277593997
Q.10	The external direct product of two abelian group is abelian if a	and only if both are
	?	
Ans	X A. non abelian	
	→ B. abelian	
	C. infinite	
	X D. finite	
		Question ID : 9277593996
Q.11	Consider the following series <n²x (1+n²x²)="">, and check whether uniformly convergent on [0,1]?</n²x>	ner the series is
	annormy control gent on [c, .].	
Ans	✓ A. it is not uniformly continuous on [0,1]	
Ans		
Ans	✓ A. it is not uniformly continuous on [0,1]	
Ans	✓ A. it is not uniformly continuous on [0,1]✗ B. none of the above options hold	1247
Ans	 ✓ A. it is not uniformly continuous on [0,1] ✓ B. none of the above options hold ✓ C. it is uniformly continuous on [0,1] 	3247
Ans	 ✓ A. it is not uniformly continuous on [0,1] ✓ B. none of the above options hold ✓ C. it is uniformly continuous on [0,1] 	Question ID : 9277593982
	 A. it is not uniformly continuous on [0,1] X B. none of the above options hold X C. it is uniformly continuous on [0,1] X D. it is uniformly continuous on (0,1) Which property states that ," A⊆X be any subset and every fir 	Question ID : 9277593982
	A. it is not uniformly continuous on [0,1] B. none of the above options hold C. it is uniformly continuous on [0,1] D. it is uniformly continuous on (0,1)	Question ID : 9277593982
Q.12	A. it is not uniformly continuous on [0,1] ★ B. none of the above options hold ★ C. it is uniformly continuous on [0,1] ★ D. it is uniformly continuous on (0,1) Which property states that ," A⊆X be any subset and every fir has non empty intersection?	Question ID : 9277593982
Q.12	A. it is not uniformly continuous on [0,1] ★ B. none of the above options hold ★ C. it is uniformly continuous on [0,1] ★ D. it is uniformly continuous on (0,1) Which property states that ," A⊆X be any subset and every fir has non empty intersection? ★ A. Cantor property	Question ID : 9277593982
Q.12	A. it is not uniformly continuous on [0,1] X B. none of the above options hold X C. it is uniformly continuous on [0,1] X D. it is uniformly continuous on (0,1) Which property states that ," A⊆X be any subset and every fir has non empty intersection? X A. Cantor property X B. heins berg property	Question ID : 9277593982
Q.12	 A. it is not uniformly continuous on [0,1] ★ B. none of the above options hold ★ C. it is uniformly continuous on [0,1] ★ D. it is uniformly continuous on (0,1) Which property states that ," A⊆X be any subset and every fir has non empty intersection? ★ A. Cantor property ★ B. heins berg property ✔ C. Finite intersection property 	Question ID: 9277593982

Q.13	Find radius of convergence of 1+x+x²/2!+?	
Ans	X A. 5	
	✓ B. infinite	
	★ C. 10	
	X D. 0	
		Question ID : 9277593984
0.14	C[a,b] i.e. the set of all continuous function from a to b is a subset	of roal valued
Q. 17	function?	or real valueu
Ans	✓ A. bounded	
	X B. infinite	
	X C. finite	
	X D. discontinuous	
		Question ID : 9277593986
Q.15	A topological space is if every point x of X has neig	hbourhood base
	consisting of compact neighbourhoods?	
Ans	✓ A. locally compact	
	X B. connected	
	C. compact	
	X D. finite metric	
		0 11 12 0000000
		Question ID : 9277593988
Q.16	An automorphism is defined if it is	
Ans	X A. isomorphism but not one one and onto	
	★ C. isomorphism only	
	X D. one one ,onto	
	4444	
		Question ID : 9277593993
Q.17	Let G be a multiplicative group defined by T(x)=x²; then T satisfies following property?	which of the
Ans	✓ A. all of the three options	
Alla		
Alls	X B. isomorphism	
Alls		
Alls	★ C. automorphism	
Alls		

2.18 The usual topological space induced by usual metric is denoted by which of the following?				
Ans				
	X B. d(x,y)<0			
	C. d(x,y)>0			
	✓ D. d(x,y)= x-y			
		Question ID : 9277593990		
	If f(x)=1/q for any rational number x and 0 otherwise	then find the lower integral?		
Ans	X A. 6			
	★ B. 1			
	X C. 2			
	✓ D. 0			
		Question ID : 9277593978		
20	If U(8)={1,3,5,7} and U(10)={1,3,7,9} ,then find how m U(8)×U(10)?	any element are there in		
ns	✓ A. 16			
	★ B. 4			
	★ C. 8			
	X D. 32			
		Question ID : 9277593995		





	8 Let f(z) be single valued analytic function in a simple connected domain D, if a,b are in D, then(ʃf(z)dz)over the limits a and b =, where F(z) is and indefinite integral of f(z)?	
Ans	★ A. F(a)	
	✓ B. F(b)-F(a)	
	★ C. F(a)-F(b)	
	★ D. F(b)	
	Question ID : 9277594004	
	f the contour is closed and does not intersect itself ,then it is called curve.	
Ans	X A. ternary	
	✗ B. open	
	✓ C. jordan	
	▼ D. binary	
	Question ID : 9277594002	
Q.10	f a set G with binary operation * satisfies closure property as well as associative property then it is called	
Ans	X A. monoid	
	✓ B. semigroup	
	★ C. group	
	X D. quasiod	
	Question ID : 9277593998	



Q.3	To create an environment of equality, the teacher should not	.		
Ans	X A. maintain the body language in such biased manner			
	X B. use gender neutral language			
	 ★ C. ensure discipline in class and avoid any situations, which mapupils based on their gender D. give different opportunities to boy and girls to participate in the 			
	2.3 a			
		Question ID : 9277594013		
Q.4	कक्षा में बात करना और अनुशासनहीनता का संकेत है।			
Ans	🗙 A. अच्छा छात्र नहीं			
	🗙 В. अशिष्ट			
	🗶 D. शरारती व्यवहार			
		Question ID : 9277594009		
Q 5	कौन सा अधिगम शिक्षार्थियों पर ध्यान केंद्रित करता है, जो कुछ कर <mark>ने के अ</mark> प	गर्ने थ्रन्थत को गर्निहेंतित		
Q.5	करती है, ताकि वैचारिक अंतर्दृष्टि के साथ-साथ व्यावहारिक विशेष <mark>ज्ञता हासि</mark> व	ल की जा सके?		
Ans	🗙 A. सैद्धांतिक अधिगम			
	🗙 B. व्यावहारिक अधिगम			
	✔ C. प्रायोगिक अधिगम			
	🗙 D. केंद्रित अधिगम			
		Question ID : 9277594008		
0.6	What is simulation based training?			
Ans	A. Is the purification of the mind, heart, understanding and actions to obtain a variety of			
	spiritual goals.			
	✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is another method which uses technology to assist in trainee ✓ B. Is a simple to the content of			
	C. Is additional services available online for those who wish to rule training above and beyond that which is offered by their employers	receive		
	D. Is method which include how to use a variety of weapons, ou	utdoor survival skills.		
		Question ID : 9277594015		
0.7	O			
Q.7 Ans	Communicative Lessons are not A. Grammatical			
7 1110	X B. Contextualised			
	C. Authentic			
	* D. Loornor Controd			
	★ D. Learner-Centred			
	D. Learner-Centred	Question ID : 9277594014		

Q.8 किस वर्ष के अध्ययन से पता चला है कि, पुरुष और महिलाएं अपने अन्योन्याश्रयता प्रकार में भिन्न हैं?

X B. 1980

✓ C. 1999

X D. 1997

Question ID: 9277594012

Q.9 What refers to the set of rules and principles that govern the structuring of a sentence or a phrase in a language?

X A. Discourse Ans

B. Syntax

X C. Language function

X D. Vocabulary

Question ID: 9277594010

Q.10 अधिगम के लिए आकलन में होने वाली मुख्य प्रक्रिया कौन सी है?

🗙 A. छात्र जो अपने आकलन और मूल्यांकन हेतु शिक्षकों पर निर्भर रहते है।

🥒 B. शिक्षक प्रत्येक छात्र को उनके अधिगम में सुधार करने के <mark>तरीके के बारे में प्रतिक्रि</mark>या प्रदान करता है

🗶 C. छात्रों से प्रश्न करना कि वे किस स्तर पर हैं।

🗙 D. नैदानिक परीक्षा

Question ID: 9277594016

adda 241