





GOVT. OF NCT OF DELHI

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

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Participant ID	
Participant Name	
Test Center Name	
Test Date	25/09/2021
Test Time	4:30 PM - 6:30 PM
Subject	TGT Natural Science-(Female)

Section: General Ability

 $\mbox{Q.1}\ \ \,$ In the following question, select the missing number from the given series.

57, 61, 70, ?, 111, 147

Ans

✓ A. 86

X B. 94

X C. 100

X D. 105

TEACHERS

Question ID: 9277598723

Q.2 In a class of fifty students, Geeta's rank is thirty-two from the left end. What is her rank from the right end?

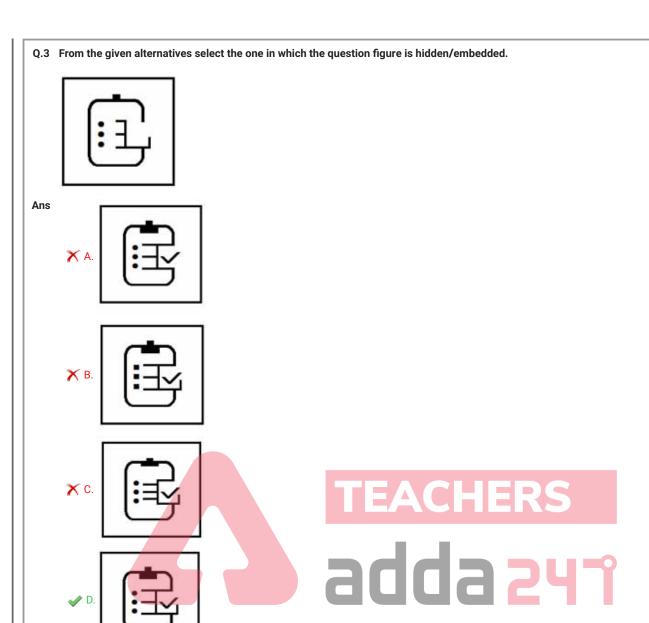
Ans

X A. 18

⊘ B. 19

X C. 17

X D. 20



Question ID: 9277598727

Q.4 Two statements are followed by two conclusions numbered I and II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statement:

All gates are farm. Some farm are not crop.

Conclusions:

- (I) No gate is crop.
- (II) Some farm are gate.

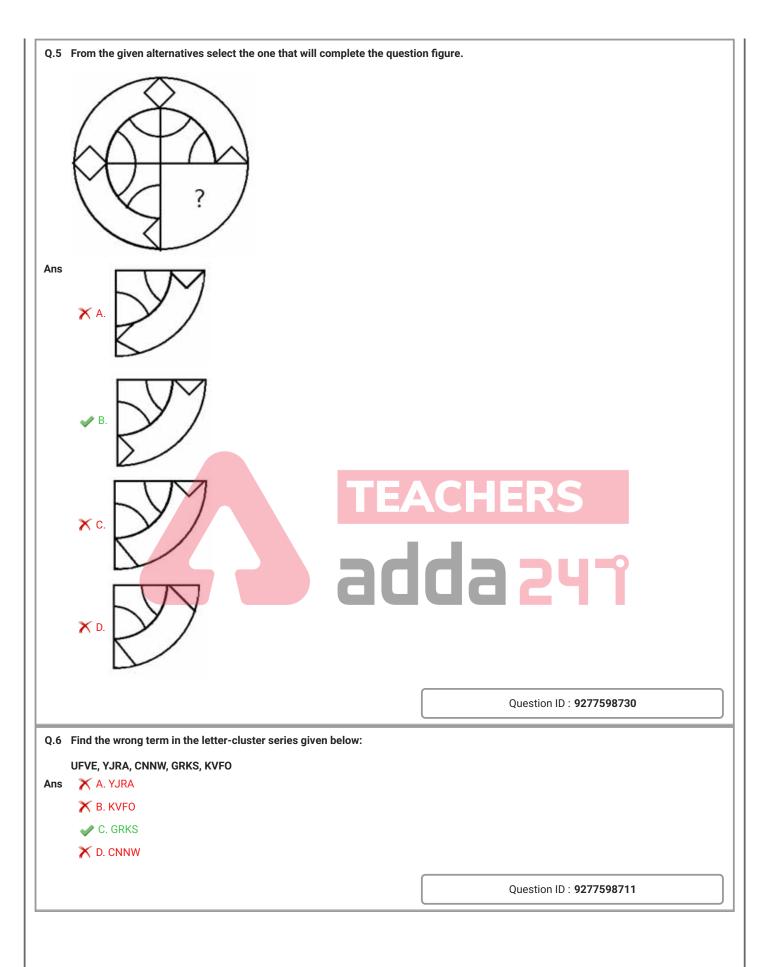
Ans

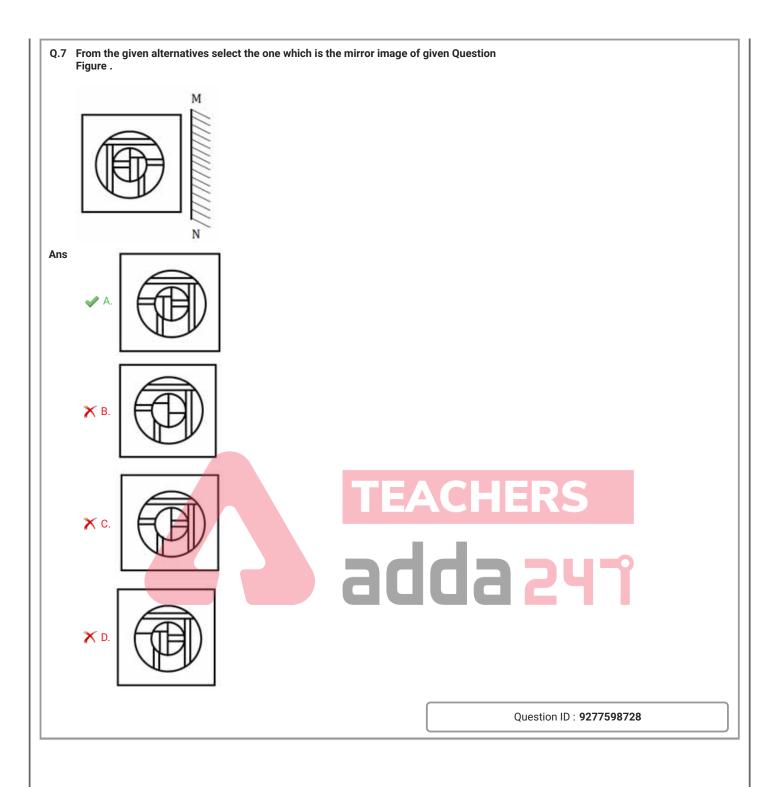
A. Only II follows

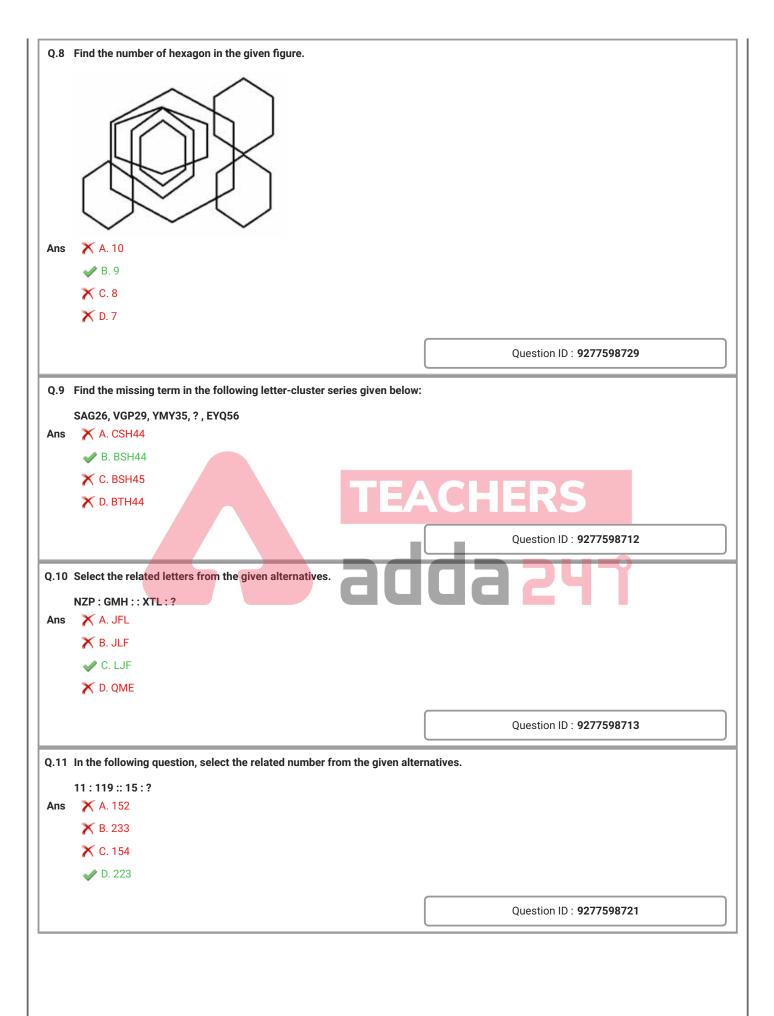
X B. Only I follow

X C. Neither I nor II follows

X D. Both I and II follow







Q.12 Three statements are followed by two conclusions numbered I and II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statement:

Atleast some fishes are snake. Few snakes are crocodile. Few crocodile are ants.

Conclusions:

- (I) Some crocodile are not fish.
- (II) Few crocodile are snakes.

Ans

- A. Only II follows
- X B. Neither I nor II follows
- X C. Only I follow
- X D. Both I and II follow

Question ID: 9277598719

Q.13 In the following figure, triangle represents professor, circle represents architect, hexagon represents advocate, rectangle represents entertainer and square represents entrepreneur.

What does letter 'A' represents?



X C. Group of professors, architect, advocate and entertainer but not entrepreneur

X D. Group of advocate, entrepreneur, professors and entertainer but not architect

Question ID: 9277598725

Q.14 In the question below, a statement is followed by two conclusions. Study the conclusions and select the correct option as the answer.

Statement:

 $G > A = N < K \ge B$

Conclusions:

I. B > A

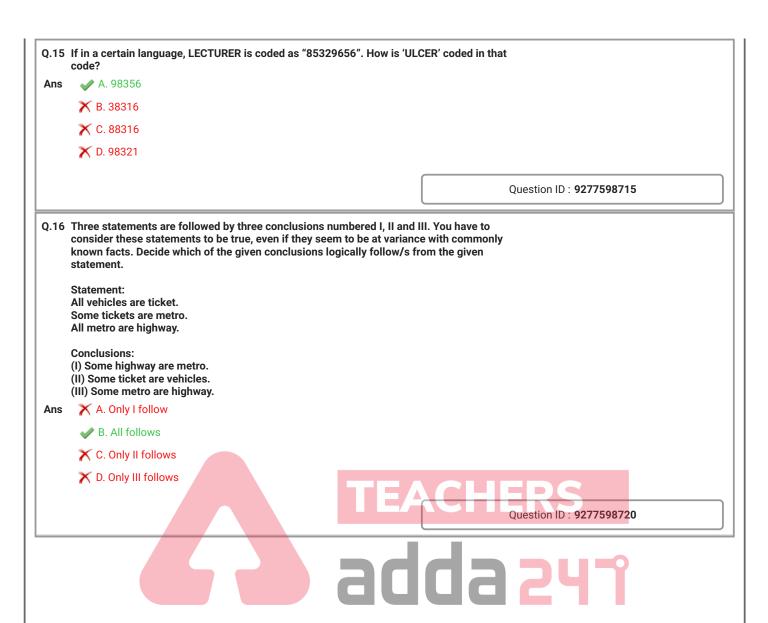
II. A = K

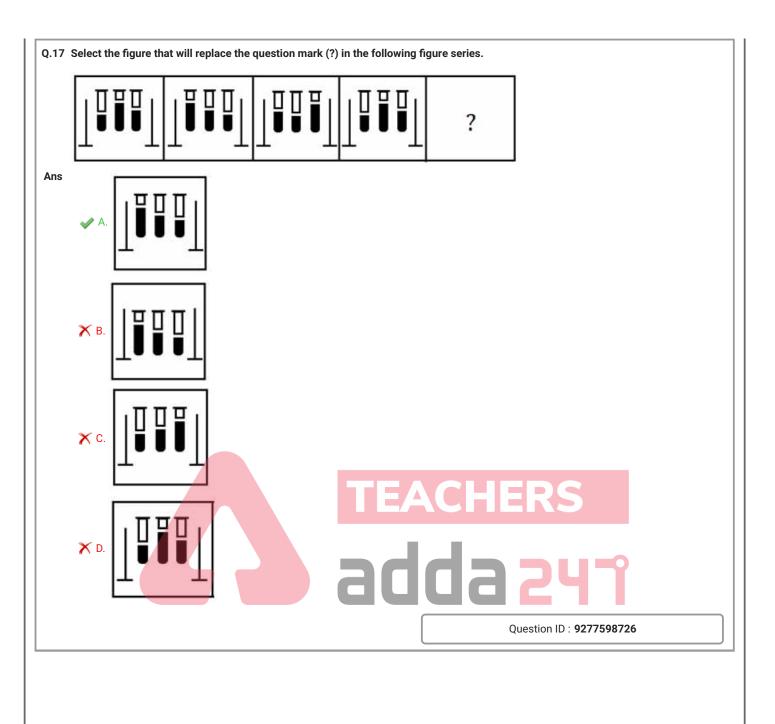
Ans X A. Only I follows

X B. Both I and II follow

C. Either I or II follows

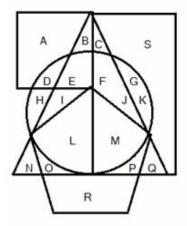
D. Neither I nor II follows





Q.18 In the following figure, triangle represents defense sector, circle represents state government exams, pentagon represents railways, rectangle represents aspirants and square represents private company.

What does letter 'F' represents?



Ans X A. Aspirants who are preparing for railways and state government exam only

X B. Aspirants who are preparing for private company and state government exams only

C. Aspirants who are preparing for defense sector and state government exams only

X D. Aspirants who are preparing for state government exams only

Question ID: 9277598724

Q.19 Find out the odd word from the given alternatives.

Ans

X A. Cinnamon

X B. Black Pepper

C. Salt

X D. Red chilli



Question ID: 9277598714

Q.20 Six friends Aman, Raman, Deepu, Lalit, Aditya and Shivam likes different colors i.e. Pink, Yellow, White, Green, Red and Violet, but not necessarily in the same order. Each of them studies in a different college. i.e. A, B, C, D, E and F, but not necessarily in the same order. Lalit likes Green but does not study in college A or E. Aditya studies in college F but does not like pink. Shivam does not study in college D or E. Deepu likes Violet and studies in college C. Aman studies in college B and likes white. The one who like red and studies in college E.

Who likes redcolor?

Ans

X A. Shivam

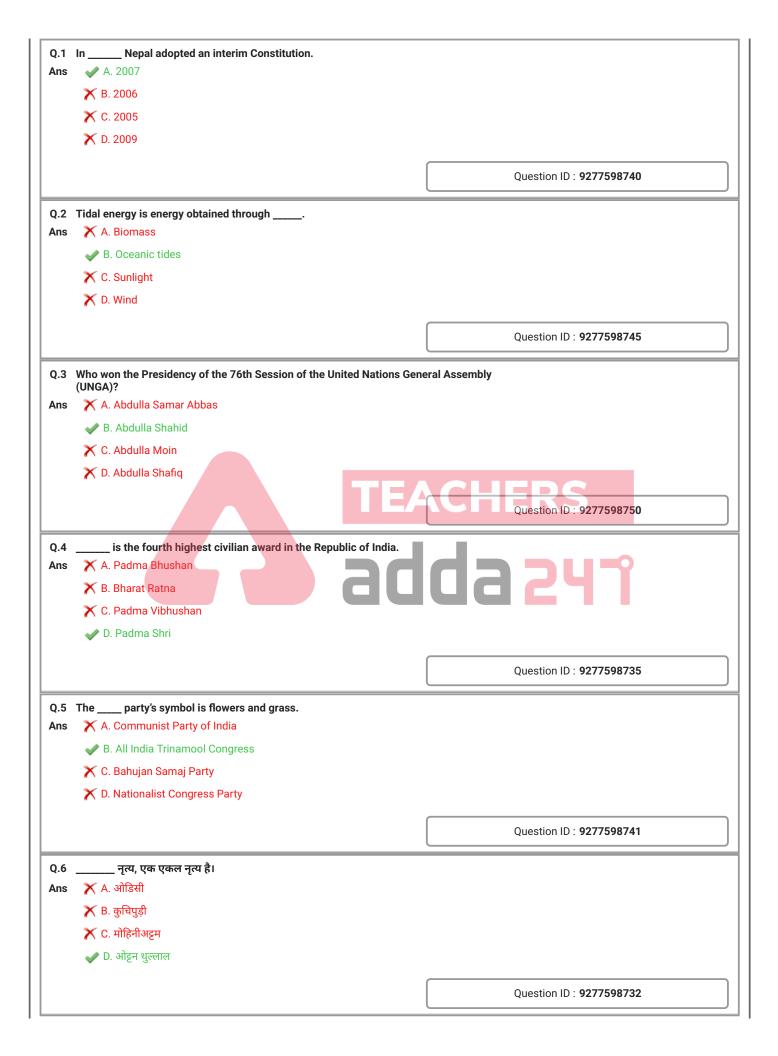
X B. Deepu

X C. Aditya

D. Raman

Question ID: 9277598717

Section: General Awareness



	7 Removing barriers or restrictions set by the government on trade is known as		
Ans	✓ A. Liberalisation		
	★ B. Arbitration		
	C. Privatisation		
	X D. Globalisation		
		Question ID : 9277598739	
Q.8	मानवीय राहत और सामाजिक कार्य करने के लिए 1896 में रामकृष्ण मिशन की स्थापन	ा किसने की थी?	
Ans	💢 A. स्वामी रामकृष्ण परमहंस		
	🗙 B. स्वामी दयानंद सरस्वती		
	💢 C. गोपाल कृष्ण गोखले		
	✔ D. स्वामी विवेकानंद		
		Question ID : 9277598747	
		Question ID . 9277396747	
Q.9	is the oldest form of composition of the Hindustani vocal music.		
Ans	X A. Gazal		
	🗙 В. Тарра		
	★ C. Thumri ———————————————————————————————————		
	✓ D. Dhrupad		
	TEA	Question ID : 9277598733	
		Question ID : 92//598/33	
Q.10	को 'भारत के फ् <mark>लाइंग सिख</mark> ' के रूप <mark>में जाना जा</mark> ता था।	_	
Ans	✔ A. मिल्खा सिंह		
	🗙 B. फौजा सिंह	da 241	
	🗙 C. हरभजन सिंह		
	🗶 D. बुधिया सिंह		
		2 12 22	
		Question ID : 9277598734	
Q.11	The red color of tomatoes is due to		
Ans	✓ A. Lycopene		
	X B. Acetone and Carotene		
	X C. Acetone		
	X D. Carotene		
		2 12 22	
		Question ID : 9277598743	
Q.12	When was the second battle of Panipat fought?		
Ans	X A. 1757		
	★ B. 1572		
	★ C. 1526		
	✔ D. 1556		
		Ougoties ID : 0277502742	
		Question ID : 9277598749	

	Monazite sand does not contain	
Ans	X A. lanthanum	
	X B. Cerium	
	C. Thorium	
	✓ D. Actinium	
		Question ID : 9277598746
		Question ib . 7277878740
Q.14	Which are the two sectors in terms of ownership of assets or service	es?
Ans	X A. Primary and Secondary	
	✓ B. Public and Private	
	★ C. Open and Close	
	X D. Direct and Indirect	
		Over 45 on 1D v 00777500700
		Question ID : 9277598738
Q.15	What is the number of isotopes of hydrogen?	
Ans	X A.1	
	★ B. 7	
	✓ C. 3	
	X D. 5	
		A CHIEDC
		Question ID : 9277598742
O 16	What is the population of rural India as per 2011 Census?	
Ans		
	X B. About 733 million	דעכ כחו
	✓ C. About 833 million	da 241
	X D. About 783 million	
		Question ID : 9277598744
0.17	Desired to the second s	Jo.
Q.17 Ans	During which Viceroy's tenure was the Simon Commission appointe A. Lord Chelmsford	a:
	✓ B. Lord Irwin	
	C. Lord Wellesley	
	D. Lord Wellington	
	D. Lord Wellington	
		Question ID : 9277598748
Q.18 Ans	The paintings at Ajanta depict stories of the A. Panchatantra	
	✓ B. Jatakas	
	★ C. Mahabharat	
	X D. Ramayana	
		Question ID : 9277598731

Q.19 किस महिला पर्वतारोही ने "एक महिला द्वारा विश्व की सबसे तेज एवरेस्ट चढ़ाई" दर्ज की?

Δns

🟋 A. प्रेमलता अग्रवाल

X B. बछेंद्री पाल

🗙 D. संतोष यादव

Question ID: 9277598736

Q.20 ____ has been conferred with the "Green Urja Award" for being the Leading Public Institution in the Financing Institution for Renewable Energy this year.

Ans X A. Sálim Ali Centre for Ornithology and Natural History (SACON)

X B. Larsen & Toubro Limited(LNT)

X C. Bombay Natural History Society (BNHS)

✓ D. Indian Renewable Energy Development Agency Ltd. (IREDA)

Question ID: 9277598737

Section: Arithmetic Ability

Q.1 अरिहंत एक निश्चित काम करना शुरू करता है। 4 दिनों के बाद, अरुण, जो अरिहंत से आधा कार्यकुशल है, उसी कार्य पर कार्य करना शुरू करता है। <mark>नतीजत</mark>न, काम 9 अधिक दिनों में पूरा होता है। यदि अरुण अकेले कार्य

करता है तो कार्य को पूरा करने में कितना समय लगेगा?

Ans 🥒 A. 35 दिन

\chi B. 38 दिन

🗙 C. 39 दिन

🗙 D. 32 दिन

TEACHERS



Q.2 What value will come in place of question mark (?) in the following question?

$$\frac{3 \times 3 \times 3 + 5 \times 5 \times 5}{(3)^2 + (5)^2 - 3 \times 5} = ?$$

Ans

✓ A. 8

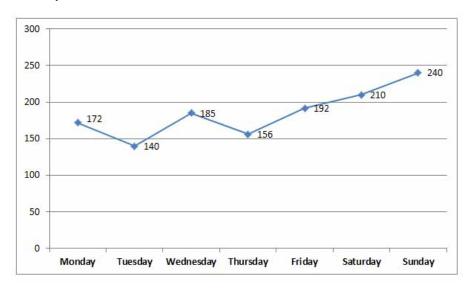
X B. 13

X C. 12

X D. 15

2.3	What is the difference between simple interest and compound interest for one year at 10 percent per annum, compounded half yearly?	on a sum of Rs.1200				
Ans	X A. Rs.30					
	★ B. Rs.6					
	✓ C. Rs.3					
	★ D. Rs.60					
		Question ID : 9277598762				
Q.4	The ratio of the ages of Dev and his son is 4 : 1 respectively. After 11 y be in the ratio 13 : 6 respectively. What was Dev's age when his son wa					
Ans	X A. 23 years					
	X B. 24 years					
	X C. 25 years					
	✓ D. 21 years					
		Question ID : 9277598761				
Q.5	By selling 45 laddus for Rs. 40, a man loses 20 percent. How many lad Rs. 24 to gain 20 percent?	dus should he sell for				
Ans	★ A. 20					
	★ B. 15					
	★ C. 16	CLIEBO				
	✓ D. 18	ACHERS				
		Question ID : 9277598759				
Q.6	A boat can cover 84 km upstream and 252 km downstream in 15 hours boat in still water is thrice the speed of stream, then find the time take 126 km upstream.	s. If the speed of the n by the boat to cover				
Ans	X A. 8 hours					
	✓ B. 9 hours					
	X C. 7 hours					
	X D. 6 hours					
		Question ID : 9277598763				
0.7	In how much time will a car cover a distance of 9000 meter with a spee	ed of 90 kmph.?				
Ans	X A. 0.4 Hour					
	★ B. 0.3 Hour					
	✓ C. 0.1 Hour					
	✓ C. 0.1 HourX D. 0.2 Hour					
	✓ C. 0.1 Hour✓ D. 0.2 Hour					

Q.8 The following line graph represents the sale of the number of Burgers at a shop for the seven days.



On which day, the number of burgers sold is equal to the average number of burgers sold by the shopkeeper during the given period?

Ans

X A. Friday

B. Wednesday

X C. Saturday

X D. Monday

Question ID: 9277598770

Q.9 The percentage of loss incurred in selling an article for Rs.6,800 is equal to the percentage of gain earned by selling the same article for Rs.7,450. What could be the selling price of the same article if the profit percentage is 16 percent?

Ans

X A. Rs.7,460

✓ B. Rs.8,265

X C. Rs.8,480

X D. Rs.7,685

Question ID: 9277598757

Q.10 In a certain store, the profit is 250 percent of the cost price. If the cost price increases by 20 percent but the selling price remains constant, approximately what percentage of the selling price is the profit?

Ans

X A. 56 percent

X B. 75 percent

C. 66 percent

X D. 60 percent

Q.11	A chessboard contains 64 equal squares and the area of each square is 2.56 cm ² . Find the
	length of the side of the chessboard.

Ans X A. 4 cm

✓ B. 12.8 cm

X C. 3.5 cm

X D. 8 cm

Question ID: 9277598768

Q.12 Find the smallest among $\sqrt[18]{12}$, $\sqrt[9]{4}$, $\sqrt[12]{5}$ and $\sqrt[6]{3}$.

Ans

× A. √3

× B. 18√12

× c. ∜4

√ D. ¹²√5

Question ID: 9277598751

Q.13 The given table shows the number of workers in various departments with different age groups in a company.

Department	21 - 25 (age in years)	26 - 30 (age in years)	31 – 35 (age in years)	36 – 40 (age in years)
Production	250	300	210	150
Marketing	120	85	60	75
Logistic	70	65	80	95
Finance	20	35	40	150
Sales	40	60	55	115

Which age group has the highest average number of workers in various departments?

Ans

X A. 26 - 30

✓ B. 36 − 40

X C. 21 - 25

X D. 31 - 35

Question ID: 9277598769

Q.14 A, B and C can do a work in 6, 8 and 12 days respectively. Doing that work together they get an amount of total Rs. 1350, the share of B in that amount is:

Ans

X A. Rs. 440

X C. Rs. 430

X D. Rs. 400

Q.15 Find the cost of painting the total surface area of the hemisphere of radius 14 m at the rate of Rs. $5/m^2$.

Ans

X A. Rs.9360

X C. Rs.9080

X D. Rs.9170

Question ID: 9277598767

Q.16 There were 46 students in a boys hostel. Due to the admission of eight new students the expenses of the hostel mess were increased by Rs.42 per day while the average expenditure per head diminished by Rs 1. What was the original expenditure of the hostel mess?

Ans X A. Rs.652

X C. Rs.544

X D. Rs.572

Question ID: 9277598760

Q.17 In a six days 20 – 20 cricket tournament, a player makes different runs on all six days. The average runs scored by him in first five days are 55 and the average runs scored by him in last five days are 66. On sixth day, he scored 50 percent more runs than scored on first day. What are the runs scored by him on sixth day?

Ans



X B. 125

X C. 150

X D. 140





Q.18 What value will come in place of question mark (?) in the following question?

$$\frac{36 \times 4 + 25}{13} = \frac{104}{?}$$

Ans

X A. 5

X B. 9

X C. 6

✓ D. 8

Question ID: 9277598752

Q.19 A number 1a2b3c is exactly divisible by 11. What are the possible values for (a, b, c)?

Ans

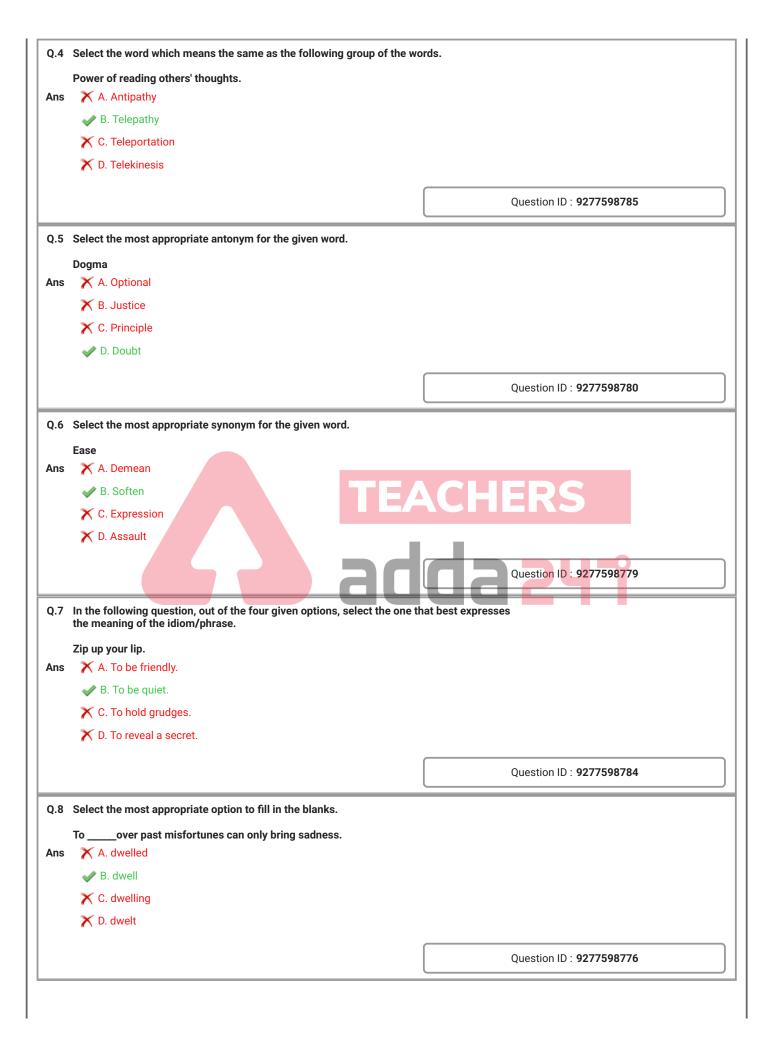
✓ A. (4, 0, 2)

X B. (4, 5, 3)

X C. (5, 2, 7)

X D. (5, 3, 6)

Q. 2 0	.20 एडम ने बाली से 20 प्रतिशत अधिक चॉकलेट खरीदी। बाली द्वारा खरीदी गई प्रत्येक चॉकलेट की कीमत एडम द्वारा खरीदी गई प्रत्येक चॉकलेट की कीमत से 50 प्रतिशत अधिक है। बाली द्वारा चॉकलेट पर खर्च किया गया पैसा एडम के खर्च से कितना प्रतिशत अधिक है?		
Ans	🗙 A. 15 प्रतिशत		
	৵ B. 25 प्रतिशत		
	🗙 C. 22.5 प्रतिशत		
	🗙 D. 30 प्रतिशत		
		1	
			Question ID : 9277598756
Section	on : General English		
0.1	Select the most appropriate option to fill in the blanks.		
	Remember tofrom making any negative remarks	about the proi	ort .
Ans	✓ A. refrain	about the proj	ect.
	X B. keep up		
	X C. going		
	C. quiliq		
	➤ D. abstain		
Q.2	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order.		
	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ	represents th	nen logically
	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology,	represents th	nen logically e most logical
Q.2 Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ **B. RSPQ	represents th	nen logically e most logical
	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ B. RSPQ C. RQPS	represents th	nen logically e most logical
	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ B. RSPQ C. RQPS	represents th	nen logically e most logical
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ B. RSPQ C. RQPS	represents th	nen logically e most logical ERS
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ A. RPSQ B. RSPQ C. RQPS D. PQRS	represents the	e most logical ERS Question ID: 9277598778
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ A. RPSQ B. RSPQ C. RQPS D. PQRS	represents the	e most logical ERS Question ID: 9277598778
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ A. RPSQ B. RSPQ C. RQPS D. PQRS Select the most appropriate option to fill in the blank. Different strategies have been used to awareness about the properties of the propert	represents the	e most logical ERS Question ID: 9277598778
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily X A. RPSQ X B. RSPQ C. RQPS D. PQRS Select the most appropriate option to fill in the blank. Different strategies have been used to awareness ab	represents the	e most logical ERS Question ID: 9277598778
Ans	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily X. A. RPSQ X. B. RSPQ C. RQPS D. PQRS Select the most appropriate option to fill in the blank. Different strategies have been used to awareness ab A. spread B. spreading	represents the	e most logical ERS Question ID: 9277598778
Ans Q.3	The question consists of four statements labelled P, Q, R, a arranged form a coherent passage. Choose the option that order. P. with advanced tool and technology, Q. unlike today's simpler and easier life R. the early human beings lived differently S. making best gadgets and facilities available easily A. RPSQ A. RPSQ B. RSPQ C. RQPS D. PQRS Select the most appropriate option to fill in the blank. Different strategies have been used to awareness ab A. spread B. spreading C. have spread	represents the	e most logical ERS Question ID: 9277598778



Select the most appropriate option to substitute the underlined segment in the given Q.9 sentence. If there is no need to substitute the underlined segment, select 'No improvement'. A well-known animal living in the polar regions are a penguins. X A. are penguin X B. No improvement C. is the penguin X D. penguin Question ID: 9277598773 Q.10 In the following question, out of the four given options, select the one that best expresses the meaning of the idiom/phrase. In the heat of the moment. X A. To share information that was previously concealed. Ans X B. In a confused or befuddled state of mind. X C. Keep something away. D. Overwhelmed by what is happening in the moment. Question ID: 9277598783 Q.11 One part of the sentence below may contain an error. Identify the part. If there is no error, choose 'No error'. How can the governments achieve a state of a clean environment in cities in future? X A. in cities in future Ans X B. a state of a clean environment X C. How can the governments achieve D. No error Question ID: 9277598772 Q.12 Select the CORRECTLY spelt word. X A. Poignent Ans B. Poignant X C. Piognant X D. Poegnant Question ID: 9277598782 Q.13 Select the most appropriate option to substitute the bracketed part in the given sentence. If there is no need to substitute the bracketed part, select 'No improvement'. The teacher asked me to (do away) my assignment and submit it to her before the weekend. X A. do up X B. do away with C. do over X D. No Improvement Question ID: 9277598774

Q.14 Select the INCORRECTLY spelt word.

Δns

X A. Climactic

X B. Definitely

X C. Amateur

D. Harrasment

Question ID: 9277598781

Q.15 One part of the sentence below may contain an error. Identify the part. If there is no error, choose 'No error'.

If we release the fishes on the water surface, they will being eaten by bigger fishes.

Ans

X A. fishes on the water surface

B. No error

X C. they will being eaten by bigger fishes

X D. If we release the

Question ID: 9277598771

Comprehension:

Read the following passage and answer the questions below.

Alfonso Cuarón is a Mexican film director, producer, screenwriter, cinematographer and editor. Cuarón is the first Mexico-born filmmaker to win the Academy Award for Best Director. He has been nominated for Academy Awards in six different categories, a record he shares with Walt Disney and George Clooney. Cuarón has received 11 Academy Award nominations, winning four including Best Director for Gravity (2013) and Roma (2018), Best Film Editing for Gravity, and Best Cinematography for Roma. His other notable films from a variety of genres include the family drama A Little Princess (1995), the romantic drama Great Expectations (1998), the coming of age road film Y tu mamá también (2001), the fantasy film Harry Potter and the Prisoner of Azkaban (2004), and the science fiction dystopian thriller Children of Men (2006). Alfonso Cuarón Orozco was born in Mexico City, the son of Alfredo Cuarón, a doctor specializing in nuclear medicine, and Cristina Orozco, a pharmaceutical biochemist.

He has two brothers, Carlos, also a filmmaker, and Alfredo, a conservation biologist. He studied philosophy and filmmaking. There he met the director Carlos Marcovich and cinematographer Emmanuel Lubezki, and they made what would be his first short film, Vengeance Is Mine.). In addition to writing, producing and directing, Cuarón co-edited the film with Luis Patlán. The film, which also starred singer, Astrid Hadad and model/actress Claudia Ramírez (with whom Cuarón was linked between 1989 and 1993) was a big hit in Mexico. After this success, director Sydney Pollack hired Cuarón to direct an episode of Fallen Angels, a series of neo-noir stories produced for the Showtime premium cable network in 1993; other directors who worked on the series included Steven Soderbergh, Jonathan Kaplan, Peter Bogdanovich, and Tom Hanks. In 1995, Cuarón released his first feature film produced in the United States, A Little Princess, an adaptation of Frances Hodgson Burnett's classic novel.

SubQuestion No: 16

Q.16 Which one of the following is the first short film of Alfonso Cuaron?

Ans

X A. A Little Princess

B. Vengeance Is Mine

X C. Fallen Angels

X D. Sólo con tu pareja

Read the following passage and answer the questions below.

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SubQuestion No: 17

Q.17 Director Sydney Pollack hired Cuarón to direct an episode of Fallen Angels, a series of neonoir stories produced for the Showtime premium cable network in 1993. The following were the co-directors in the series, except...

Ans A. Claudia Ramírez

X B. Jonathan Kaplan

X C. Steven Soderbergh

X D. Peter Bogdanovich

TEACHERS

Read the following passage and answer the questions below.

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SubQuestion No: 18

Q.18 According to the given passage, the film 'Children of Men' falls in which genre?

Ans X A. Action thriller

X B. Family drama

C. Science fiction

X D. Romantic drama

TEACHERS

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SubQuestion No: 19

Q.19 According to the given passage, Alfonso has been nominated for Academy Awards in six different categories. Who else has made this record except Alfonso?

Ans X A. Alfredo Cuarón

B. George Clooney

X C. Emmanuel Lubezki

X D. Carlos Marcovich

TEACHERS

Read the following passage and answer the questions below.

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SubQuestion No: 20

Q.20 Which of the following statements is NOT correct, according to the given passage?

Ans X A. Alfonso has been nominated for Academy Awards in six different categories.

X B. Alfonso is the first Mexico-born filmmaker to win the Academy Award for Best Director.

C. Alfonso studied both psychology and filmmaking.

X D. Alfonso has also been part of Harry Potter.

Question ID: 9277598787

Section: General Hindi

Q.1 निम्नलिखित में से वाच्य के प्रकार का चयन कीजिए-

कोहली द्वारा शतक लगाया गया।

Δne

🟋 A. कर्तृवाच्य

🗙 B. भाववाच्य

🟋 C. अकर्मवाच्य

🥒 D. कर्मवाच्य

Question ID: 9277598803

Q.2 निम्नलिखित में से चिन्ह (;) का सही नाम बताइए-

Ans 2

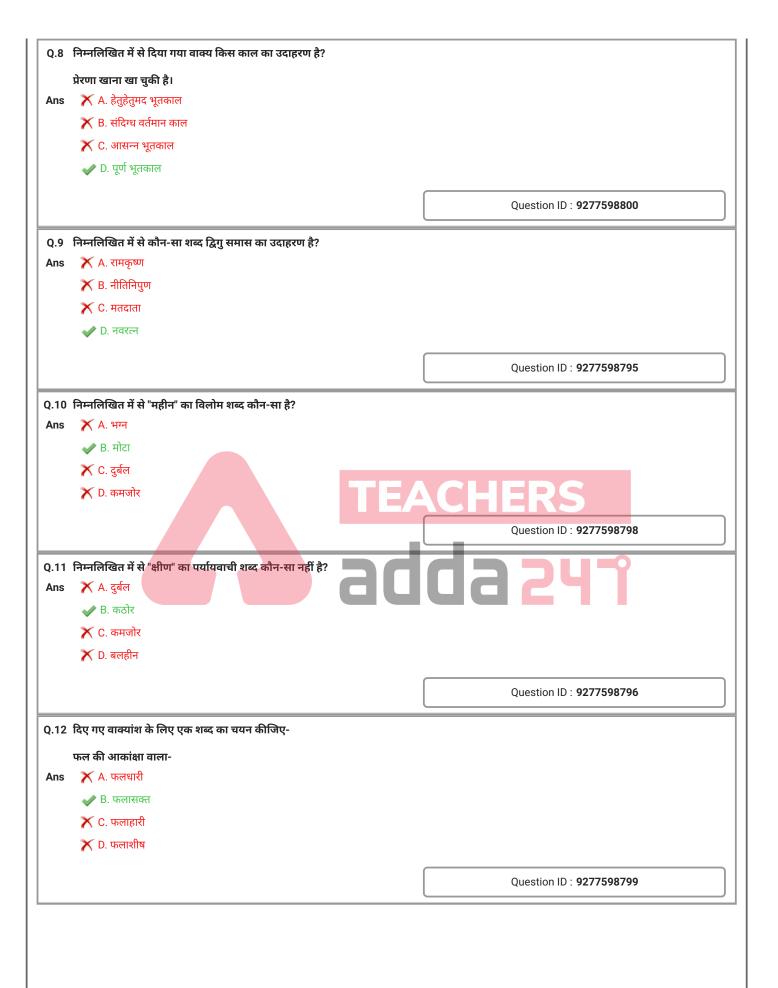
🗙 A. अवतरण चिन्ह

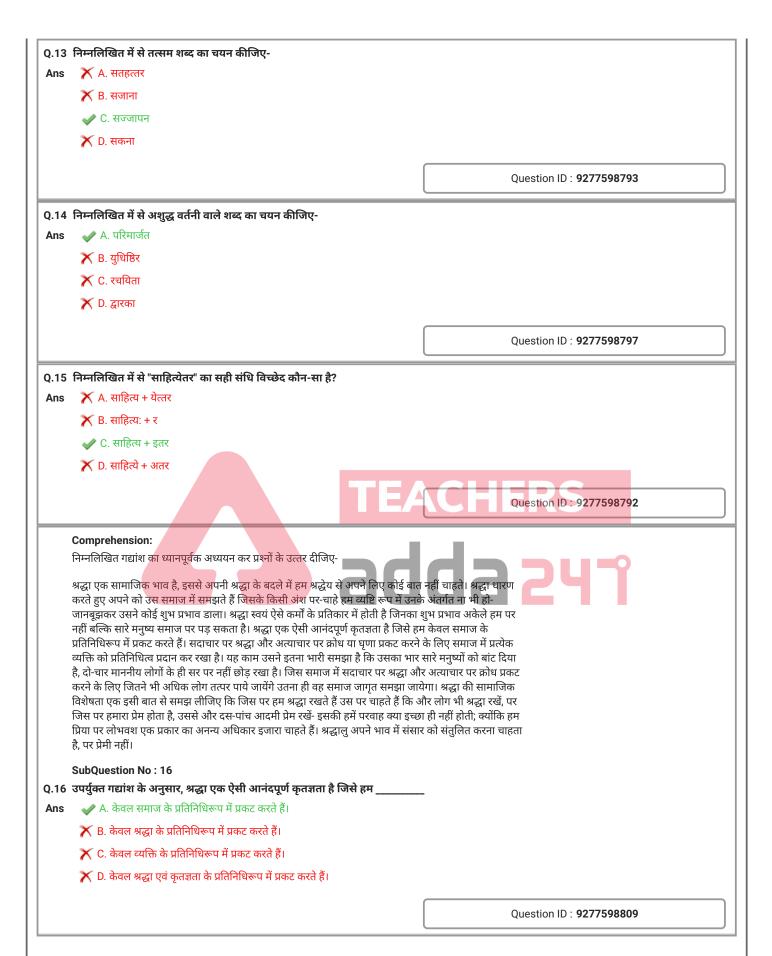
🥓 B. अर्द्धविराम चिन्ह

🗶 C. उद्धरण चिन्ह

X D. अल्पविराम चिन्ह

Q.3 निम्नलिखित में से अशुद्ध वर्तनी वाले वाक्य का चयन कीजिए-🧹 A. मुझसे यह काम सम्भव नहीं हो सकता। 🔀 B. यह दवा रोग को समूल नष्ट कर देगी। \chi C. कृपया मेरा प्रार्थना-पत्र स्वीकार करें। 🗙 D. सभी विद्यार्थियों में राहुल श्रेष्ठ है। Question ID: 9277598801 Q.4 निम्नलिखित में से मुहावरा "जीती मक्खी निगलना" का क्या अर्थ है? 🟋 A. बहुत कंजूस होना। X B. व्यवधान डालना। 🥓 C. जान बूझकर अन्याय सहना। \chi D. दिवाला निकलना। Question ID: 9277598804 Q.5 निम्नलिखित में से कौन-सा एक उपसर्ग नहीं है? 💢 A. डबल Ans 🥒 B. बाज 🟋 C. खुश 🗙 D. परि Question ID: 9277598794 Q.6 निम्नलिखित में से लो<mark>कोक्ति "घोड़े</mark> की दुम ब<mark>ढ़ेगी तो अप</mark>नी ही मक्खियाँ उड़ाएगा" का क्या अर्थ है? 🗙 A. निर्लज्ज पर उपदेशों का असर नहीं पड़ता। da 241 🗶 B. किसी आदमी की प्रतिष्ठा अपने निवास स्थान पर कम होती है। 🥓 C. उन्नति करके आदमी अपना ही भला करता है। 💢 D. दुष्ट से कठोरता का और सज्जन से नम्रता का व्यवहार करें। Question ID: 9277598805 Q.7 निम्नलिखित में से मिश्रवाक्य का चयन कीजिए-💢 B. पानी न बरसने पर सूखा पड़ जाएगा। \chi C. आपके कार्य का सामान यहा नहीं है। 💢 D. वह पुस्तक खो गई थी परन्तु मुझे मिल गई है। Question ID: 9277598802





निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

श्रद्धा एक सामाजिक भाव है, इससे अपनी श्रद्धा के बदले में हम श्रद्धेय से अपने लिए कोई बात नहीं चाहते। श्रद्धा धारण करते हुए अपने को उस समाज में समझते हैं जिसके किसी अंश पर-चाहे हम व्यष्टि रूप में उनके अंतर्गत ना भी हो-जानबूझकर उसने कोई शुभ प्रभाव अकेले हम पर नहीं बल्कि सारे मनुष्य समाज पर पड़ सकता है। श्रद्धा एक ऐसी आनंदपूर्ण कृतज्ञता है जिसे हम केवल समाज के प्रतिनिधिरूप में प्रकट करते हैं। सदाचार पर श्रद्धा और अत्याचार पर क्रोध या घृणा प्रकट करने के लिए समाज में प्रत्येक व्यक्ति को प्रतिनिधित्व प्रदान कर रखा है। यह काम उसने इतना भारी समझा है कि उसका भार सारे मनुष्यों को बांट दिया है, दो-चार माननीय लोगों के ही सर पर नहीं छोड़ रखा है। जिस समाज में सदाचार पर श्रद्धा और अत्याचार पर क्रोध प्रकट करने के लिए जितने भी अधिक लोग तत्पर पाये जायेंगे उतना ही वह समाज जागृत समझा जायेगा। श्रद्धा की सामाजिक विशेषता एक इसी बात से समझ लीजिए कि जिस पर हम श्रद्धा रखते हैं उस पर चाहते हैं कि और लोग भी श्रद्धा रखें, पर जिस पर हमारा प्रेम होता है, उससे और दस-पांच आदमी प्रेम रखें- इसकी हमें परवाह क्या इच्छा ही नहीं होती; क्योंकि हम प्रिया पर लोभवश एक प्रकार का अनन्य अधिकार इजारा चाहते हैं। श्रद्धालु अपने भाव में संसार को संतुलित करना चाहता है, पर प्रेमी नहीं।

SubQuestion No: 17

Q.17 उपर्युक्त गद्यांश के अनुसार, जिस समाज में सदाचार पर श्रद्धा और अत्याचार पर क्रोध प्रकट करने के लिए जितने भी अधिक लोग तत्पर पाये जायेंगे उतना ही ______

Ans

\chi B. वह समाज सुन्न समझा जायेगा।

🗙 C. वह समाज निद्रित समझा जायेगा।

\chi D. वह समाज सुप्त समझा जायेगा।

Question ID: 9277598811

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

TEACHERS

श्रद्धा एक सामाजिक भाव है, इससे अपनी श्रद्धा के बदले में हम श्रद्धेय से अपने लिए कोई बात नहीं चाहते। श्रद्धा धारण करते हुए अपने को उस समाज में समझते हैं जिसके किसी अंश पर-चाहे हम व्यष्टि रूप में उनके अंतर्गत ना भी हो-जानबूझकर उसने कोई शुभ प्रभाव डाला। श्रद्धा स्वयं ऐसे कर्मों के प्रतिकार में होती है जिनका शुभ प्रभाव अकेले हम पर नहीं बल्कि सारे मनुष्य समाज पर पड़ सकता है। श्रद्धा एक ऐसी आनंदपूर्ण कृतज्ञता है जिसे हम केवल समाज के प्रतिनिधिरूप में प्रकट करने हैं। सदाचार पर श्रद्धा और अत्याचार पर क्रोध या घृणा प्रकट करने के लिए समाज में प्रत्येक व्यक्ति को प्रतिनिधित्व प्रदान कर रखा है। यह काम उसने इतना भारी समझा है कि उसका भार सारे मनुष्यों को बांट दिया है, दो-चार माननीय लोगों के ही सर पर नहीं छोड़ रखा है। जिस समाज में सदाचार पर श्रद्धा और अत्याचार पर क्रोध प्रकट करने के लिए जितने भी अधिक लोग तत्पर पाये जायेंगे उतना ही वह समाज जागृत समझा जायेगा। श्रद्धा की सामाजिक विशेषता एक इसी बात से समझ लीजिए कि जिस पर हम श्रद्धा रखते हैं उस पर चाहते हैं कि और लोग भी श्रद्धा रखें, पर जिस पर हमारा प्रेम होता है, उससे और दस-पांच आदमी प्रेम रखें- इसकी हमें परवाह क्या इच्छा ही नहीं होती; क्योंकि हम प्रिया पर लोभवश एक प्रकार का अनन्य अधिकार इजारा चाहते हैं। श्रद्धालु अपने भाव में संसार को संतुलित करना चाहता है, पर प्रेमी नहीं।

SubQuestion No: 18

Q.18 उपर्युक्त गद्यांश का निम्नलिखित में से निष्कर्ष क्या है?

Ans 🛮 🗙 A. श्रद्धा केवल एक श्रद्धालु तक सीमित।

\chi B. श्रद्धा एक सांसारिक लोभवश।

🥓 C. श्रद्धा एक सामाजिक भाव।

🗙 D. केवल एक श्रद्धालु का सामाजिक भाव।

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

श्रद्धा एक सामाजिक भाव है, इससे अपनी श्रद्धा के बदले में हम श्रद्धेय से अपने लिए कोई बात नहीं चाहते। श्रद्धा धारण करते हुए अपने को उस समाज में समझते हैं जिसके किसी अंश पर-चाहे हम व्यष्टि रूप में उनके अंतर्गत ना भी हो-जानबुझकर उसने कोई शुभ प्रभाव डाला। श्रद्धा स्वयं ऐसे कर्मों के प्रतिकार में होती है जिनका शुभ प्रभाव अकेले हम पर नहीं बल्कि सारे मनुष्य समाज पर पड़ सकता है। श्रद्धा एक ऐसी आनंदपूर्ण कृतज्ञता है जिसे हम केवल समाज के प्रतिनिधिरूप में प्रकट करते हैं। सदाचार पर श्रद्धा और अत्याचार पर क्रोध या घुणा प्रकट करने के लिए समाज में प्रत्येक व्यक्ति को प्रतिनिधित्व प्रदान कर रखा है। यह काम उसने इतना भारी समझा है कि उसका भार सारे मनुष्यों को बांट दिया है, दो-चार माननीय लोगों के ही सर पर नहीं छोड रखा है। जिस समाज में सदाचार पर श्रद्धा और अत्याचार पर क्रोध प्रकट करने के लिए जितने भी अधिक लोग तत्पर पाये जायेंगे उतना ही वह समाज जागृत समझा जायेगा। श्रद्धा की सामाजिक विशेषता एक इसी बात से समझ लीजिए कि जिस पर हम श्रद्धा रखते हैं उस पर चाहते हैं कि और लोग भी श्रद्धा रखें, पर जिस पर हमारा प्रेम होता है, उससे और दस-पांच आदमी प्रेम रखें- इसकी हमें परवाह क्या इच्छा ही नहीं होती; क्योंकि हम प्रिया पर लोभवश एक प्रकार का अनन्य अधिकार इजारा चाहते हैं। श्रद्धालु अपने भाव में संसार को संतुलित करना चाहता है, पर प्रेमी नहीं।

SubQuestion No: 19

Q.19 उपर्युक्त गद्यांश का उचित शीर्षक निम्न में से क्या है?

📉 🗙 A. श्रद्धाः एक प्रेम कथा

🗙 B. स्वार्थ एवं परोपकार

\chi C. स्वार्थ एवं श्रद्धा में अंतर

🥒 D. श्रद्धा का स्वरूप

Question ID: 9277598812

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

श्रद्धा एक सामाजिक भाव है, इससे अपनी श्रद्धा के बदले में हम श्रद्धेय से अपने लिए कोई बात नहीं चाहते। श्रद्धा धारण करते हुए अपने को उस समाज में समझते हैं जिसके किसी अंश पर-चाहे हम व्यष्टि रूप में उनके अंतर्गत ना भी हो-जानबुझकर उसने कोई शुभ प्रभाव डाला। श्रद्धा स्वयं ऐसे कर्मों के प्रतिकार में होती है जिनका शुभ प्रभाव अकेले हम पर नहीं बल्कि सारे मनुष्य <mark>समाज पर</mark> पड सकता है। श्रद्धा एक ऐसी आनंदपूर्ण कृतज्ञता है जिसे हम केवल समाज के प्रतिनिधिरूप में प्रक<mark>ट करते हैं। स</mark>दाचार पर श्रद्धा <mark>और अत्याचा</mark>र पर क्रोध या घृणा प्रकट करने के लिए समाज में प्रत्येक व्यक्ति को प्रतिनिध<mark>ित्व प्रदान कर रखा</mark> है। यह <mark>काम उसने इतना भा</mark>री समझा है कि उसका भार सारे मनुष्यों को बांट दिया है, दो-चार माननीय <mark>लोगों के ही सर पर</mark> नहीं छो<mark>ड़ रखा है। जिस</mark> समाज में सदाचार पर श्रद्धा और अत्याचार पर क्रोध प्रकट करने के लिए जितने भी अधिक लोग तत्पर पाये जायेंगे उतना ही वह समाज जागृत समझा जायेगा। श्रद्धा की सामाजिक विशेषता एक इसी बात से समझ लीजिए कि जिस पर हम श्रद्धा रखते हैं उस पर चाहते हैं कि और लोग भी श्रद्धा रखें, पर जिस पर हमारा प्रेम होता है, उससे और दस-पांच आदमी प्रेम रखें- इसकी हमें परवाह क्या इच्छा ही नहीं होती; क्योंकि हम प्रिया पर लोभवश एक प्रकार का अनन्य अधिकार इजारा चाहते हैं। श्रद्धालु अपने भाव में संसार को संतुलित करना चाहता है, पर प्रेमी नहीं।

SubQuestion No: 20

Q.20 उपर्युक्त गद्यांश के अनुसर कौन-सा कथन सही नहीं है?

💢 A. सदाचार पर श्रद्धा और अत्याचार पर क्रोध या घृणा प्रकट करने के लिए समाज में प्रत्येक व्यक्ति को प्रतिनिधित्व Ans

💢 B. श्रद्धा एक सामाजिक भाव है, इससे अपनी श्रद्धा के बदले में हम श्रद्धेय से अपने लिए कोई बात नहीं चाहते।

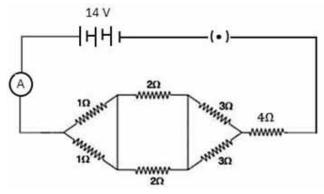
🥓 C. श्रद्धालु अपने भाव में संसार को संतुलित नहीं करना चाहता है, पर प्रेमी चाहता है।

💢 D. श्रद्धा स्वयं ऐसे कर्मों के प्रतिकार में होती है जिनका शुभ प्रभाव अकेले हम पर नहीं बल्कि सारे मनुष्य समाज पर पड सकता है।

Question ID: 9277598810

Section: Discipline1





Ans

✓ A. 2 A

X B. 2.5 A

X C. 1 A

X D. 1.4 A

Question ID: 9277598813

Q.2 SI unit of pressure is -

Ans

X A. Nm⁻¹

X C. Nm⁻³

X D. Nm

TEACHERS

Question ID: 9277598824

Q.3 Which of the following is/are conservative force/s?

- 1. Force of gravity
- 2. Coulomb force
- 3. Force of spring

Choose the correct code

Ans

✓ A. 1, 2 and 3

X B. Only 1 and 3

X C. Only 2 and 3

X D. Only 1

Question ID: 9277598830

Q.4 An elevator weighing 400 kg is to be lifted up at a constant velocity of 0.20 m/s. What would be the minimum horsepower of the motor to be used? (g = 9.8 m/s^2 and there is no frictional loss)

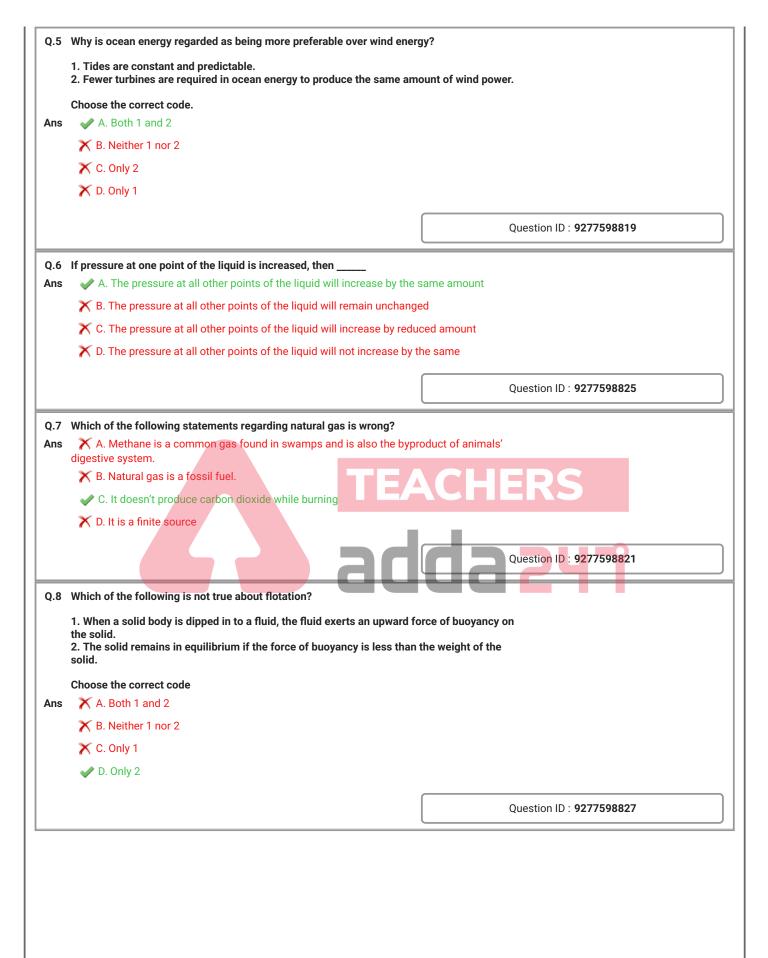
Ans

X A. 5.0 hp

X B. 2.0 hp

✓ C. 1.05 hp

X D. 0.5 hp



Q.9 The effect of the weak forces is experienced inside _____

- 1. Proton
- 2. Neutron

Choose the correct code

Ans

- X A. Only 1
- X B. Only 2
- C. Both 1 and 2
- X D. Neither 1 nor 2

Question ID: 9277598822

Q.10 Which of the following is not a limitation of using hydroelectric power?

Ans X A. Dams can be very expensive to build.

- X C. The hydroelectric power plants cannot be sited at a place of our choice.
- There needs to be a sufficient, and continuously strong water current, or water head, to produce energy.

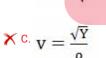
Question ID: 9277598818

Q.11 If Y is the Young modulus of the solid and ρ its density, then the speed (v) of the longitudinal sound waves in a solid rod is

Ans

$$\times$$
 A. $v = \frac{Y}{\rho}$





$$\times$$
 D. $v = \frac{Y}{\sqrt{\rho}}$

TEACHERS



Question ID: 9277598832

Q.12 A pressure of _____ of mercury is one atmospheric pressure.

Ans X A. 80 cm

X B. 70 cm

X C. 71 cm

✓ D. 76 cm

Q.13	A 800 gm solid cube having an edge of length 10 cm floats in water. How much volume of the cube is outside the water? (Density of the water 1000 kg-m ⁻³ .)
Ans	X A. 400 cm ³
	★ B. 100 cm ³
	✓ C. 200 cm ³
	X D. 300 cm ³
	Question ID : 9277598828
Q.14	Find the work done by the force of gravity during the time a particle of mass 50 gm goes up on being thrown vertically upwards with a speed of 10 m/s.
Ans	★ A3.0 J
	✔ B2.5 J
	X C2.0 J
	X D25 J
	Question ID : 9277598829
O 15	An electric iron of resistance 15Ω takes a current of 3A. Calculate the heat developed in 5
Q. 10	minutes.
Ans	✓ A. 40.5 kJ
	★ B. 4.05 × 10 ⁵ J
	X C. 4.50 J
	X D. 4.50 × 10 ⁴ J
	Question ID : 9277598814
	question b. 227 order
Q.16	What is the shape of the electromagnet that is used in an electric-bell?
Ans	X A. Ring-shaped
	X B. Bar-shaped
	★ C. Cylindrical shaped
	✓ D. U-shaped
	Question ID : 9277598816
	Question is . 2277030010
Q.17	Which of the following is correct regarding Fleming's left-hand rule?
Ans	✓ A. If the first finger shows the direction of the magnetic field and the middle one the direction of current flow, then the thumb shows the direction of force 'F' acting on the current carrying conductor.
	➤ B. If the first finger shows the direction of the magnetic field and the middle one the direction of force 'F' acting on the current carrying conductor, then the thumb shows the direction of current flow.
	C. If the first finger shows the direction of the current flow and the middle one the direction of magnetic field, then the thumb shows the direction of force 'F' acting on the current carrying conductor.
	➤ D. If the first finger shows the direction of the current flow and the middle one the direction of force 'F' acting on the current carrying conductor, then the thumb shows the direction of magnetic field.
	Question ID: 9277598817

Q.18 Ans	8 On which of the following does the resistance of a wire not depend? S A. Length of the wire	
Alis	X B. Width of the wire	
	C. Thickness of the wire	
	D. Humidity of the wire	
		Question ID : 9277598815
Q.19	9 Nuclear forces are and are	
	Largely attractive Largely repulsive Short ranged Long ranged	
	Choose the correct code	
Ans	s X A. Only 1 and 4	
	X B. Only 2 and 4	
	C. Only 2 and 3	
	✓ D. Only 1 and 3	
		Question ID : 9277598823
Q.20 Ans	running on gasoline. B. It costs a small amount of money to run a hydrogen vehicle.	as far as a car
	 C. Hydrogen as a gas is not found naturally on Earth. D. Hydrogen is one of the most abundant elements in the universe. 	Question ID : 9277598820
Secti	etion : Discipline2	
Q.1	The appearance of sound to a human ear is subjectively characterized by w following parameters?	which of the

- 1. Pitch 2. Loudness
- 3. Quality

Choose the correct code

Ans A. 1, 2 and 3

X B. Only 2 and 3

X C. Only 1 and 2

X D. Only 1 and 3

Q.2	2 solution is a purple dye, which is extracted from lichen, a plant belonging to the division Thallophyta, and is commonly used as an indicator.	
Ans	X A. Methyl orange	
	✓ B. Litmus	
	X C. lodine	
	X D. Phenolpthalein	
	Question ID : 9277598843	
Q.3	Which among the following is the most reactive metal?	
Ans	X A. Al	
	✓ B. K	
	X C. Pb	
	X D. Hg	
	Question ID : 9277598848	
Q.4	The front portion of eye is covered by a transparent protective membrane called the -	
Ans	X A. Pupil	
	X B. Iris	
	★ C. Retina	
	✓ D. Cornea	
	TEACHERS	
	Question ID: 9277598836	
0.5	Which of the following is most commonly formed from reaction of an acid and an alcohol?	
Ans	X A Calles	
	X B. Water	
	✓ C. Esters	
	X D. Charcoal	
	Question ID : 9277598849	
Q.6	The retina of an eye contains millions of receptors called 1. Rods 2. Cones	
Ans	Choose the correct code A. Both 1 and 2	
7	X B. Neither 1 nor 2	
	C. Only 2	
	▼ D. Only 1	
	Question ID : 9277598837	

Q.7 Which of the following reactions produce insoluble salts?

Ans X

X A. Reduction

X B. Oxidation

X C. Decomposition

D. Precipitation

Question ID: 9277598842

Q.8 Most metal oxides are insoluble in water but some of these dissolve in water to form :

Anc

A. Alkalis

X B. Acid

X C. Non-metal oxides

X D. Hydrogen

Question ID: 9277598847

Q.9 What will be the refractive index of water if the critical angle for water is 48.2°?

Ans

✓ A. 1.34

X B. 0.34

X C. 3.34

X D. 2.34



Q.10 Which of the following is called lime or quick lime?

Ans

A. Calcium oxide

X B. Calcium Carbonate

X C. Ferric Oxide

X D. Ferrous Sulphate



Question ID: 9277598840

Q.11 Which of the following reactions are used in black and white photography?

Ans

$$\times$$
 A. $CaCO_3(s)$ \xrightarrow{Heat} $CaO(s) + CO_2(g)$

X B.

$$Pb(NO_3)_2(s) \xrightarrow{Sunlight} 2PbO(s) + 4NO_2(g) + O_2(g)$$

$$\times$$
 C. 2FeSO₄(s) \longrightarrow Fe₂O₃(s) + SO₂(g) + SO₃(g)

$$_{\checkmark}$$
 D. 2AgBr(s) $\xrightarrow{\text{Sunlight}}$ 2Ag(s) + Br₂(g)

Question ID: 9277598841

Q.12	The natural source of Oxalic acid is:	
Ans	X A. Nettle sting	
	X B. Tamarind	
	X C. Lemon	
	✓ D. Tomato	
		0 11 10 0077700045
		Question ID: 9277598845
Q.13	Find the maximum height a ball will reach if it is thrown vertically up at a (Given $g = 10 \text{ m/s}^2$)	a speed of 4 m/s?
Ans	X A. 0.4 m	
	★ B. 1.6 m	
	✓ C. 0.8 m	
	X D. 0.6 m	
		Outstier ID : 0077500000
		Question ID: 9277598839
Q.14	The term atomic size refers to theof an atom.	
Ans	X A. Point of tangency	
	X B. Circumference	
	✓ C. Radius	
	X D. Diameter	
		Vallaris III
		Question ID : 9277598852
Q.15	Amphoteric oxides are known as:	
Ans	X A. Metal oxides which do not react with bases to produce salts and	water
	B. Metal oxides which react with only acids to produce salts and wa	ter
	C. Metal oxides which react with both acids as well as bases to pro	duce salts and water
	X D. Metal oxides which react with neither acids nor bases to produce	salts and water
		Question ID : 9277598846
		Question ID . 9277596640
Q.16	What is denatured alcohol?	
Ans	X A. The product of ethanol reacting with concentrated sulphuric acid	
	X B. It is formed when alcohol reacts with oxygen	
	C. The mixing of colour and methanol to ethanol for the purpose of industrial use	
	✗ D. The product of alcohol reacting with sodium	
		Question ID : 9277598851
		Question D . 327/398631

Ans

- X A. Carbon monoxide
- X B. Oxygen
- C. Carbon dioxide
- X D. Hydrogen

Question ID: 9277598844

Q.18 Which of the following salt is produced when ethanoic acid (CH₃ COOH) reacts with carbonates and hydrogencarbonates?

Ans

- A. Sodium acetate
- X B. Sulphur oxide
- X C. Potassium bicarbonate
- X D. Carboxylic ester

Question ID: 9277598850

Q.19 Sound waves constitute _____ pulses travelling in the medium.

Anc

- X A. Rarefaction
- X B. Compression
- X C. Random rarefaction and compression
- D. Alternate compression and rarefaction

TEACHERS

Question ID: 9277598834

Q.20 When a ray of light passes from an optically denser medium to an optically rarer medium, we have - (if i = angle of incidence and r = angle of refraction)

Ans

$$\checkmark$$
 A. $\frac{\sin i}{\sin r}$ < 1

$$\times$$
 B. $\frac{\sin i}{\sin r} > 1$

$$\times$$
 c. $\frac{\sin i}{\sin r} = 1$

$$\times D. \frac{\sin i}{\sin r} > 2$$

Question ID: 9277598838

Section: Discipline3

Q.1	The Avogadro constant is :
Ans	\times A. 3.022 × 10 ²³
	\times B. 6.22×10^{23}
	\checkmark C. 6.022 × 10 ²³
	\times D. 6.022 × 10 ³⁴
	Question ID: 9277598863
Q.2	The states of matter are inter-convertible and can be changed by changing temperature or
Ans	X A. Mass
	✗ B. Solubility
	✓ C. Pressure
	X D. Density
	Question ID : 9277598855
Q.3	Calculate the mass of the following: 0.7 mole of N_2 gas (mass from mole of molecule)
Ans	X A. 7 g
	★ B. 15.6 g
	✓ C. 19.6 g
	X D. 14 g
	I EACHERS
	Question ID: 9277598864
0.4	Which of the following is true?
Ans	X A. Latent heat of fusion is the heat energy required to change 1 kg of a liquid to gas at
	atmospheric pressure at its boiling point
	✓ B. Latent heat of vaporisation is the heat energy required to change 1 kg of a liquid to gas at atmospheric pressure at its boiling point.
	C. Latent heat of vaporisation is the heat energy required to change 1 kg of a solid to
	gas at atmospheric pressure at its boiling point
	X D. Latent heat of vaporisation is the heat energy required to change 1 kg of a solid to liquid at atmospheric pressure at its boiling point
	Question ID : 9277598857
	question is . 227703003
Q.5	Atoms of carbon-12 isotopes are assigned a relative atomic mass of and the relative masses of all other atoms are obtained by comparison with the mass of a carbon-12 atom.
Ans	X A. 8
	✔ B. 12
	★ C. 6
	★ D. 16
	Question ID : 9277598862

Ans	A. Cough and breathlessness	
	X B. Jaundice	
	★ C. Headaches only	
	X D. Fits or unconsciousness only	
		Question ID : 9277598871
Q.7	The atomic radius decreases in moving from along a period du nuclear charge which tends to pull the electrons closer to the nucleus a of the atom.	e to an increase in and reduces the size
Ans	X A. Up to down	
	X B. Down to up	
	C. Left to right	
	X D. Right to left	
		Question ID : 9277598854
		Quantities 1.72.700001
Q.8	Which of the following statements is incorrect about alloys?	
Ans	X A. An alloy is considered as a mixture because it shows the proper constituents	ties of its
	X B. They are mixtures of two or more metals	
	C. They can be separated into their components by physical method	ods
	X D. They are mixtures of metal and a non-metal	ACHERS
		Out at law ID + 0077500050
		Question ID : 9277598859
Q.9	Clusters of atoms that act as an ion are called :	
Ans	✓ A. Polyatomic ions	UGZTI
	X B. Triatomic ions	
	C. Diatomic ions	
	X D. Monoatomic ions	
		0 11 12 22
		Question ID : 9277598860
Q.10	What are the functions of thyroxine? 1. Regulates carbohydrates metabolism in the body 2. Regulates proteins and fat metabolism in the body	
Ans	X A. Only 2	
	X B. Neither 1 nor 2	
	C. Both 1 and 2	
	X D. Only 1	
		O
		Question ID : 9277598872

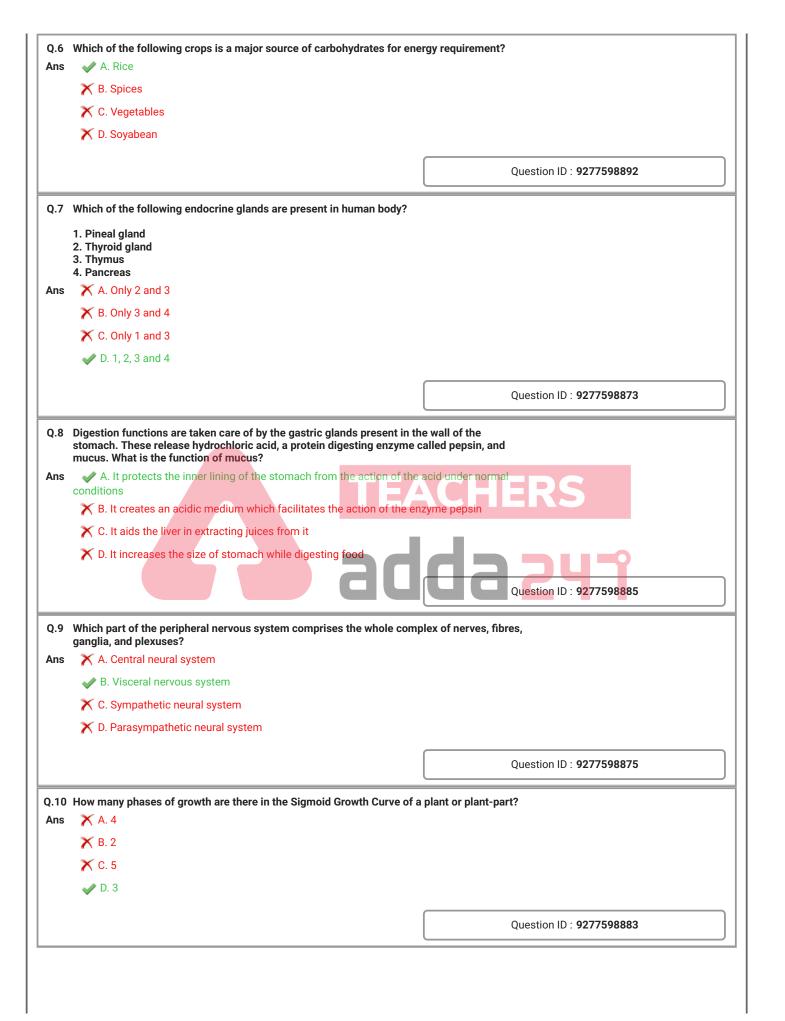
Q.6 What will be the symptom of a disease if the targeted organ is lungs?

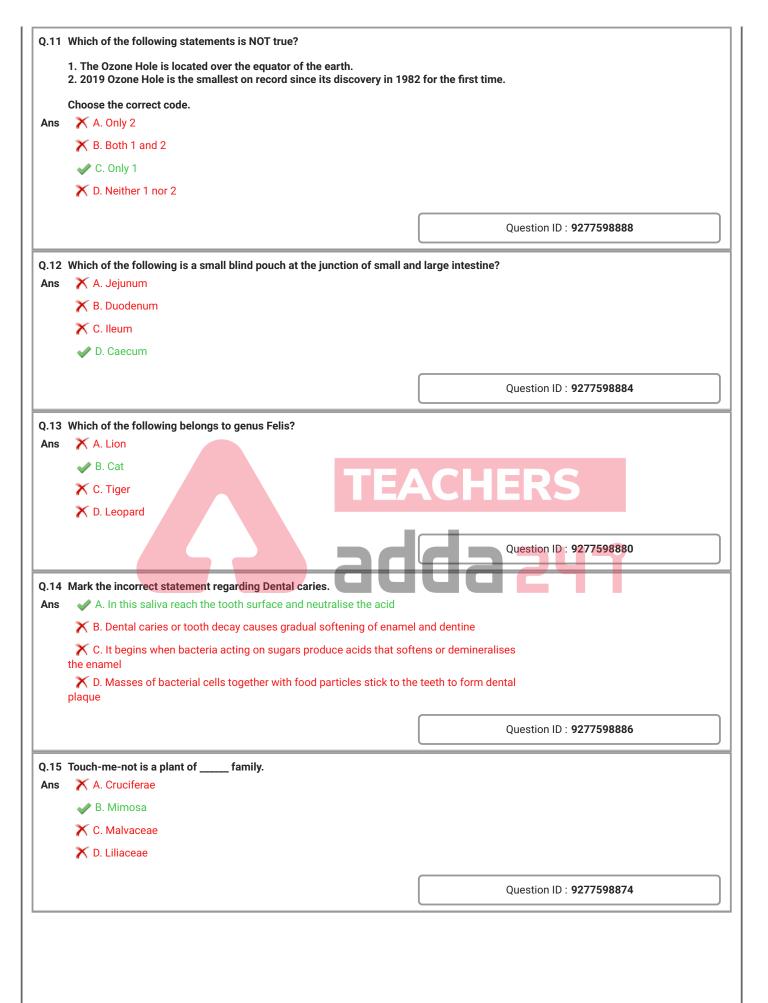
Q.11	Leishmania is a:	
Ans	✓ A. Protozoa	
	X B. Fungi	
	X C. Bacteria	
	X D. Virus	
		Question ID : 9277598870
Q.12	Which of the following is the change of solid state directly to gaseous st through liquid state?	rate without going
Ans	X A. Evaporation	
	✓ B. Sublimation	
	★ C. Deposition	
	X D. Boiling	
		Question ID : 9277598856
Q.13	Which of the following is an example of infectious disease? 1. Diabetes 2. High blood pressure	
Ans	X A. Both 1 and 2	
	X B. Only 2	
	C. Only 1	
	✓ D. Neither 1 nor 2	CHERS
		Question ID : 9277598869
Q.14 Ans	Which of the following was the first fully synthetic fibre? A. Rayon	da 247
	✓ B. Nylon	
	X C. Cotton	
	X D. Wool	
		Outstier ID : 00777500066
		Question ID : 9277598866
Q.15	The forces of attraction between the particles are minimum in	
Ans	X A. Plasmas	
	X B. Solids	
	C. Gases	
	X D. Liquids	
		Question ID : 9277598858

Q.16 Mark the correct statement. X A. Cellulose is made up of a large number of hydrogen units X B. Polymer does not occur in nature X C. Polymer word comes from 2 latin words D. Cotton is a polymer Question ID: 9277598865 Q.17 According to the modern periodic table, which of the following is not a metalloid or semimetal? Ans X A. Arsenic X B. Boron X C. Silicon D. Sulphur Question ID: 9277598853 Q.18 The chemical formula of a molecular compound is determined by the _____ of each element. X A. Mass Ans X B. Molar mass X C. Avogadro constant D. Valency Question ID: 9277598861 Q.19 Which of the following statement is correct about chronic disease? X A. Chronic diseases are always communicable. X B. Common cold is an example of chronic disease C. Ailments that lasts for lifetime or a long time are known as chronic disease X D. Diseases last for very short period of time are chronic disease Question ID: 9277598868 Q.20 Polycot is a mixture of: X A. Polyester and silk B. Polyester and Cotton X C. Polyester and nylon X D. Polyester and wool Question ID: 9277598867

Section: Discipline4

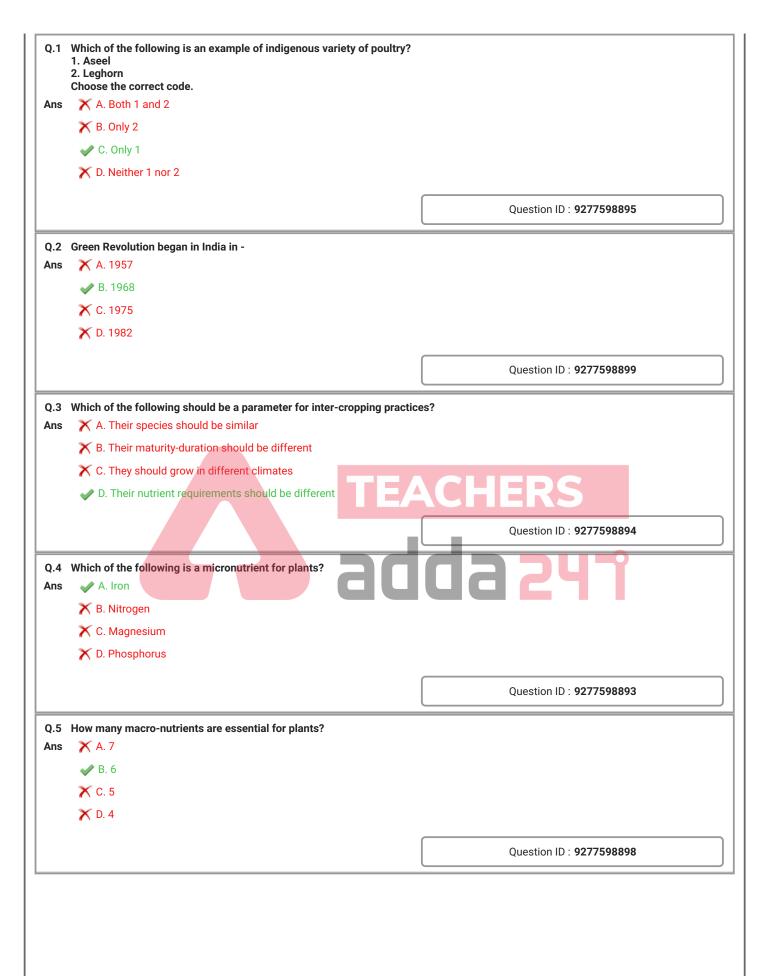
Q.1	Which of the following do not need oxygen?	
Ans	A. Combustion	
	X B. Aerobic metabolism	
	✓ C. Nitrogen fixation	
	X D. Plants' respiration	
		Question ID : 0277E00901
		Question ID : 9277598891
Q.2	belongs to Poaceae family and Monocotyledonae class.	
Ans	X A. Oranges	
	X B. Mango	
	★ C. Peas	
	✓ D. Wheat	
		Question ID : 9277598882
		Question ID . 927739662
Q.3	Which plant tissue has the thinnest walls?	
Ans	✓ A. Collenchyma	
	X B. Sclerenchyma	
	X C. Meristematic	
	X D. Parenchyma	
	TEA	Question ID: 9277598879
		Question ID: 927/598879
Q.4	Following is an ecosystem of water-body, showing the concentration of	DDT in each trophic-
	levels.	
	Water → Algae → Fish → Pelican bird	парчт
	1700 ppm → 500-600 ppm → 77 ppm → 0.2 ppm	
Ans	Which of the following feature is incorrect if the above is to represent be A. The concentration of DDT should increase as we go to higher tro	-
Allo	X B. Fishes don't eat algae. Instead of fish it should be bacteria and the	
	C. There are no incorrect features in the above representation	ici iisii
	D. Algae should not be present. It should be bacteria instead	
	B. Aigue should not be present. It should be bucteria instead	
		Question ID : 9277598889
0.5	Olympia in autoplasm broad first community the	
Q.5	Glucose in cytoplasm break into pyruvate, then pyruvate in absence of cinto	oxygen is converted
Ans	X A. Carbon dioxide, water and Energy	
	X B. Lactic acid and water	
	C. Lactic acid and Energy	
	D. Ethanol , Carbon dioxide and Energy	
		Quarties ID : 0277509997
		Question ID : 9277598887





Q.16 What is the function of synapses? X A. It's a part of kidney which helps to remove toxic bacteria from the body X B. It's a hormone that regulates anxiety C. It's a junction from which nerve impulse is transmitted from one neuron to another X D. It's a juice which aids liver to digest protein Question ID: 9277598876 Q.17 Which of the following is not contained by forebrain? X A. Cerebrum X B. Hypothalamus X C. Thalamus D. Medulla Question ID: 9277598877 Q.18 A mixture of oxygen and ______ is used as anesthesia in surgical operations. A. Nitrous oxide X B. Sulphurous oxide X C. Hydrogen monoxide X D. Hydrogen Question ID: 9277598890 Q.19 In aquatic plants, large air cavities are present in parenchyma to give buoyancy to the plants to help them float. Such a parenchyma type is called _ adda 247 A. Aerenchyma Ans X B. Oxychyma X C. Floatachyma X D. Windochyma Question ID: 9277598878 Q.20 Given below Taxonomic categories showing hierarchial arrangement in ascending order. Species → Genus → Class → Order Which of the following is incorrectly placed in the arrangement? Ans A. Class X B. Genus X C. Order X D. Species Question ID: 9277598881

Section: Discipline5



Ans	✓ A. 4°C	
	X B. 3°C	
	X C. 5°C	
	★ D. 2°C	
	Question ID : 9277598902	
Q.7	What is the lowest intensity of sound that a human ear can hear?	
Ans	X A. 1 dB	
	★ B. 15 dB	
	✓ C. 10 dB	
	X D. 5 dB	
	Outsetion ID - 0077500000	
	Question ID : 9277598900	
Q.8	Apis mellifera is bee that has been brought to India from	
Ans	X A. UK	
	✗ B. France	
	★ C. Russia	
	✓ D. Italy	
	Question ID : 9277598901	
	Question ID: 9277598901	
Q.9	Which of the following can NOT be used as a plant growth regulator?	
Ans	AA B	
	X B. Auxin X C. Gibberllins	
	X C. Gibberllins	
	X D. Cytokinin	
	Question ID : 9277598897	
0.10	Which of the following fishes feed on the weeds?	
Ans	X A. Catlas	
	X B. Mrigals	
	✓ C. Grass Carps	
	➤ D. Rohus	
	Question ID : 9277598896	

Section: Teaching Methodology

