SSC MTS 12th July 2022 Shift-1

Answer: B

English Language

	Select the most appropriate meaning of the given idiom. Have a whale of a time
A	Be extremely busy with work
В	A good thing that seems bad at first
C	Have an exceptionally fun or exciting experience
D	Immediate involvement of everyone present
	Answer: C
	 Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. Public agencies and nonprofit conservation groups is already working to promote conservation.
A	groups is already working
В	Public agencies and nonprofit conservation
С	to pr <mark>om</mark> ote conse <mark>rvation</mark>
D	No error Answer: A
	3. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. The thing about anger is that it can either been a helpful emotion or a discouraging one.
A	a helpful emotion or a discouraging one
В	The thing about anger
С	No error
D	is that it can either been
4	Answer: D
	4. Select the option that can be used as a one-word substitute for the given group of words. A person exhibiting excessive worry about one's health
A	Intellectual
В	Hypochondriac
C	Megalomaniac
D	Expert

	 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. I work hardly too earn bread and butter for my family.
A	work hardest too
В	work hard to
C	No improvement required
D	works hardly to
1	Answer: B
	6. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
	I was at a party / with some off my / friends in Mumbai.
A	friends in Mumbai
В	with some off my
C	No error
D	I was at a party Answer: B 7. Select the most appropriate meaning of the given idiom. Crocodile tears
A	Hopeless situation
В	Totally different
C	False tears
D	Of less worth
4	Answer: C
	8. Select the option that corrects the misspelt words in the given sentence. A baloon may liave the earth with a charg.
A	A balloon may leave the earth with a charge.
В	A ballon may leave the earth with a chargge.
C	A balloon may live the earth with a charrge.

D A ballun may leave the earth with a charge.

Answer: A

	9. Select the most appropriate ANTONYM of the given word. Moil
A	Cultivate
В	Grow
С	Discourage
D	Work
	Answer: C
1	0. Select the correctly spelt word.
A	Innability
В	Inabilty
C	Inability
D	Inablity
	Answer: C
1	Select the most appropriate ANTONYM of the given word. Obedient
A B	Compliant Submissive
С	Cheery
D	Resistant
4	Answer: D
1	2. Select the most appropriate synonym of the given word. Intricate
A	Basic
В	Complicated
C	Painted
D	Developed
	Answer: B
1	 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. A better plan is to going and has a lavish dinner at a fine restaurant.

A is to go and have

В	No substitution required					
С	is to gone and have					
D	was to going and have					
A	Answer: A					
1	4. Select the option that can be used as a one-word substitute for the given group of words. One who feeds on human flesh					
A	Cannibal					
В	Hedonist					
С	Stoic					
D	Samaritan					
/	Answer: A					
	5. Select the most appropriate synonym of the underlined word. All branded shoes are priced extravagantly.					
A	Modestly					
В	Economically					
С	Exp <mark>ensi</mark> vely					
D	Mea <mark>gerl</mark> y					
A	Answe <mark>r: C</mark>					
1	6. Select the most appropriate option to fill in the blank. It's too late to start your own business.					
A	never					
В	no					
С	neither					
D	nor					
-	Answer: A					
1	7. Select the most appropriate option to fill in the blank. It was impossible guess what he was doing.					
A	to					
В	at					
С	on					
D	of					
1	Answer: A					

1	8. Select the most appropriate ANTONYM of the given word. Evident
A	Obvious
В	Indistinct
С	Stubborn
D	Irritable
	Answer: B
1	 Select the option that can be used as a one-word substitute for the given group of words. A person who believes in or tries to bring about a state of lawlessness
A	Ephemeral
В	Deluge
С	Gazette
D	Anarchist
	Answer: D
2	 Select the most appropriate option to fill in the blank. The sudden death of our uncle was for all of us.
A	tragic
В	fragile
С	gentle
D	dissuasive
	Answer: A
Ins	tructions [21 - 25]
	he following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in ch blank.
cor	rogen is essential to life (1) Earth. It is a component of all proteins, and it can be (2) in all living systems. Nitrogen mpounds are (3) in organic materials, foods, fertilisers, explosives and poisons. Nitrogen is crucial to life, (4) in excess it also be (5) to the environment.
2	1. Select the most appropriate option to fill in blank no. 1.
A	at
В	into
С	on
D	in
_	Answer: C

2	2. Select the most appropriate option to fill in blank no. 2.
A	founder
В	find
С	founded
D	found
1	Answer: D
2	3. Select the most appropriate option to fill in blank no. 3.
A	function
В	instant
С	immediate
D	present
A	Answer: D
2	4. Select the most appropriate option to fill in blank no. 4.
A	such
В	beca <mark>use</mark>
С	but
D	if
	Answer: C
2	5. Select the most appropriate option to fill in blank no. 5.
A	harmful
В	pliable
С	optimistic
D	rational
A	Answer: A

General Intelligence and Reasoning

26. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

2	۰	6	• •	1	۰	60	• •	7	2
_		v		_		UU		/	

Λ.	60	\cap
\boldsymbol{H}	()()	w

- **B** 105
- **C** 201
- **D** 336

Answer: D

- 27. Six girls, Pooja, Qimat, Reeti, Shweta, Tejaswini and Vineeta, are sitting around a circular table. All of them are facing towards the centre of the table (but not necessarily in the same order). Tejaswini is the immediate neighbour of Vineeta and Reeti. Pooja is to the immediate left of Vineeta. Qimat is fourth to the right of Pooja. Shweta is to the immediate left of Pooja. Who is sitting to the immediate left of Shweta?
- A Tejaswini
- **B** Pooja
- **C** Qimat
- **D** Reeti

Answer: C



- 28. P, Q, R, S and T are five students who scored different marks in an examination. Only two people scored more P than but less than S. Q scored the highest marks. T scored more marks than R. Who got the 4th highest marks
- A F
- **B** 0
- C R
- **D** S

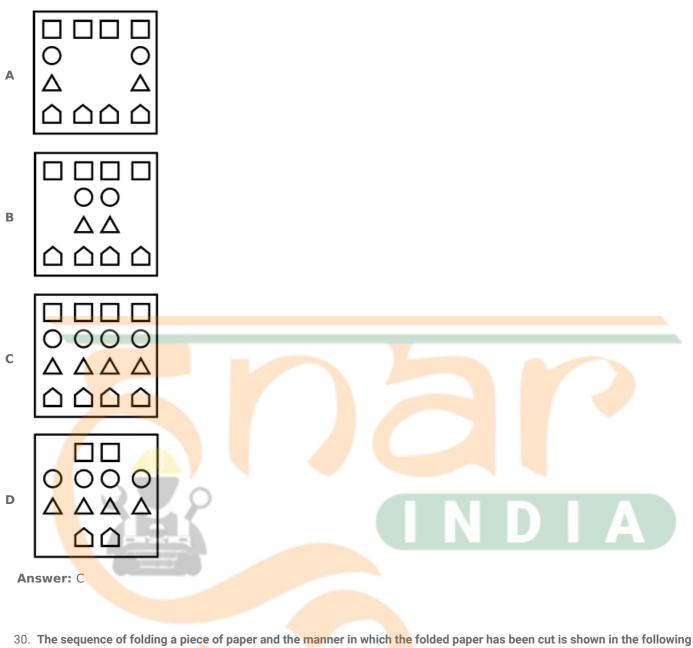
Answer: B

29. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

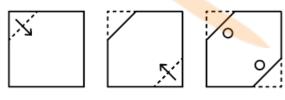


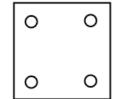


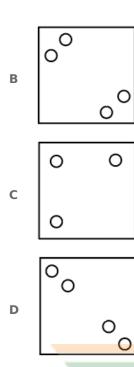




30. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?







Answer: D

- 31. Six persons are sitting in two straight rows, facing north. Their names are Farhan, Utkarsh, Yugal, Krishna, Chaman and Manish. Farhan and Manish are sitting at diagonally opposite ends. Utkarsh is in the top row and to the immediate right of Farhan. Krishna is second to the left of Manish while Yugal and Krishna are not in the same row. Who is sitting at the diagonally opposite end to Yugal?
- **A** Manish
- **B** Krishna
- **C** Utkarsh
- **D** Chaman

Answer: B



32. After interchanging which two signs will the value of the given expression be '356'? $133+49-16\div2\times34$

- **A** + and -
- **B** and ÷
- \mathbf{C} \times and +
- ${\bf D}$ \div and \times

Answer: A

33. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

PAN: SCP:: HOP:?

A KQR

В	KRQ
С	KSQ
D	KQS
	Answer: A
3	4. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. ROM, URJ, XUG, AXD, ?
A	DAA
В	DAD
С	DAB
D	DBA
	Answer: A
3	5. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. TREE: RTEE: KEEP: EKPE:: SOLO:?
A	OOSL
В	OLSO
С	OSOL
D /	LOSO Answer: C
	The same of the sa
3	6. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (3, 6, 18) (5, 7, 35)
A	(8, 13, 94)
В	(7, 12, 74)
С	(8, 12, 86)
D	(6, 14, 84)
	Answer: D
3	7. In a certain code language, 'Here we go west' is written as '8 6 4 9', 'West and east best' is written as '4 @ # pr' and 'East direction sun' is written as '# jt qm'. Which one of the following is the possible code for 'direction east' in that code language?
A	@ jt
В	qm it

- **c** 4 qm
- **D** # qm

Answer: D

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

Statements:

Some pets are birds.

All birds are mats.

Conclusions:

- I. All mats are birds.
- II. Some mats are pets.
- **A** Only conclusion II follows.
- B Neither conclusion I nor II follows.
- C Both conclusions I and II follow.
- **D** Only conclusion I follows.

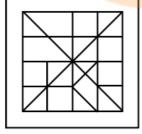
Answer: A

39. Select the option in which the given figure is embedded as its part (rotation is NOT allowed).

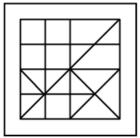


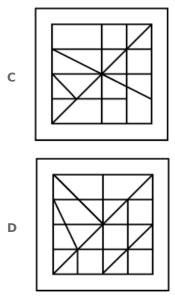


A



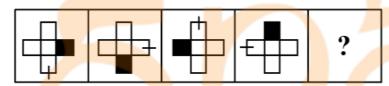
В





Answer: B

40. Select the figure from among the given options that can replace the question mark(?) in the following series.

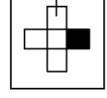


INDIA

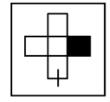
В



C

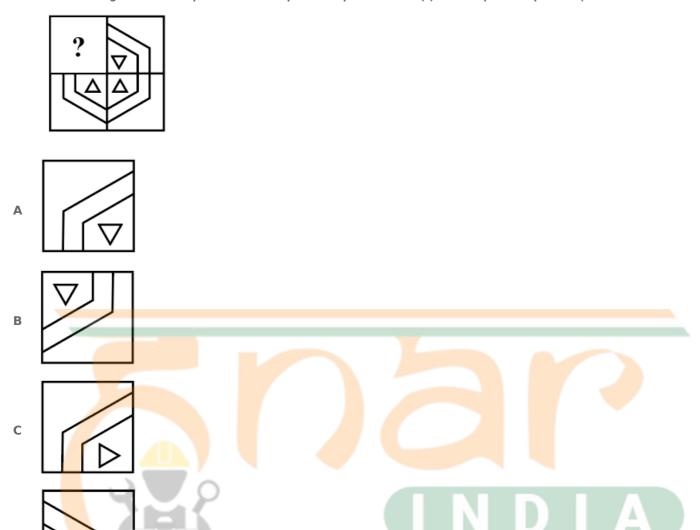


D



Answer: D

41. Select the figure from the options that can replace the question mark (?) and complete the pattern. (Rotation is not allowed)



42. In a certain code language, 'IFSP' is written as 'JHTR' and 'MPWF' is written as 'NRXH'. How will 'TOAD' be written in that language?

A UQCE

Answer: A

D

- **B** UQBF
- **C** UQCF
- **D** UPBF

Answer: B

4	 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
	Statements: No plate is a spoon. Some plates are forks. All forks are knives.
	Conclusions: I. Some plates are knives is a possibility. II. No spoon is a fork.
A	Only conclusion I follows
В	Neither conclusion I nor II follows
С	Both conclusions I and II follow
D	Only conclusion II follows
1	Answer: A
4	4. D 2 is related to H 6 in a certain way. In the same way, L 11 is related to P 15. To which of the following is T 18 related following the same logic?
A	Z 22
В	X 22
C D	Y 22 W 22
	Answer: B
4	5. Which two signs need to be interchanged to make the following equation correct? $9+3-4\div 5\times 2=9$
A	– and \times
В	+ and \times
С	+ and ÷
D	- and +
	Answer: C
4	6. Select the number from among the given options that can replace the question mark (?) in the following series. 728, 717, 695, 662, 618, ?
A	564
В	561
С	563

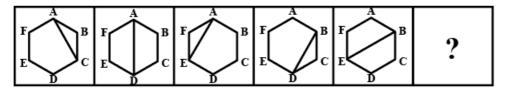
D	562
-	Answer: C
4	7. In a certain code language, 'ANAEMIA' is written as 'AOAENIA', 'AQUEOUS' is written as 'ARUEOUT', and 'LIVELY' is written as 'MIWEMZ'. How will 'EUGENIA' be written in that language?
A	EUHEOJA
В	FVGFNJB
С	EUHEOIA
D	FUGFNJB
	Answer: C
4	8. In a certain code language, 'POR' is coded as '52' and 'AND' is coded as '22'. How will 'VXB' be coded in that language?
A	51
В	49
С	48
D	52
	9. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) 12:20::8:12::34:?
A	52
В	64

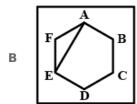
C 48

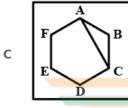
D 56

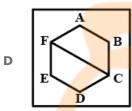
Answer: B

50. Select the figure from among the given options that can replace the question mark (?) in the following series.









Answer: A

Numerical Aptitude

51. Vishal sells a bag at a profit of 40%. If Vishal's profit is ₹880, then what is the cost price of the bag?

- **A** ₹2,000
- **B** ₹2,450
- **c** ₹1,900
- **D** ₹2,200

Answer: D

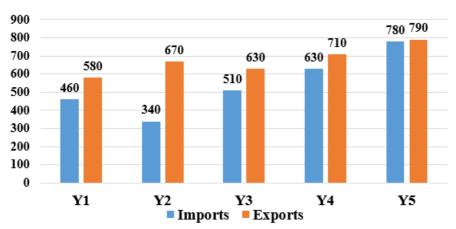
- 52. A 900 metre long train crosses a 1200 metres long platform completely in 70 seconds. What is the speed of the train?
- **A** 117 km/h
- **B** 108 km/h
- **C** 99 km/h
- **D** 90 km/h

Answer: B

50	3. ₹12,000 is lent for one year at the rate of 15% per annum, the interest being compounded annually. If the compounding of the interest is done half- yearly, then how much more interest will be obtained at the end of the one-year period on the same initial sum?
Δ	₹72.5
В	₹82.8
С	₹60.5
D	₹67.5
P	Answer: D
54	4. A 480 m long train takes 16 seconds to pass a pole. How long will it take to pass a platform that is 900 m long?
4	47 seconds
В	45 seconds
С	46 seconds
D	48 seconds
P	Answer: C
5	5. If ₹1,000 is divided into three parts in the ratio 2 : 3 : 5, find the value of the smallest part.
Δ.	₹100 A
В	₹300
С	₹200
	₹400
A	Answer: C
50	5. Ishita can read a newspaper in 'n' minutes. What part of the newspaper can she read in 7 minutes? (n > 7)
Δ	$n \over 7$
В	$7n^2$
С	7n
D	$7 \\ n$
A	Answer: D
5	7. There are two numbers such that the first number is four times of the second number. If their average is 65, then what is the second number?
Δ	26
В	14
С	24

D	28 Answer: A
5	8. Find the value of p, when p = $(5 \div 6)$ of 54 - 40 \div 10 - 41 - 22
A	-11
В	-22
C	-18
D	-23
	Answer: B
5	69 . The base of a triangle is 16 cm and its area is 144 $\ cm^2$. Find its corresponding height, with respect to the given base.
A	18 cm
В	9 cm
C	24 cm
D	12 cm
4	Answer: A
6	0. A train moves at a speed of 35 km/h for the first 2 hours and at a speed of 50 km/h for the next 4 hours. Find the average speed of the train during the entire journey.
A	47 km/h
В	50 km/h
C	45 km/h
D	35 km/h
	Answer: C

61. The bar chart given below shows the exports (in ₹000) and imports (in ₹000) of a country for 5 consecutive years.

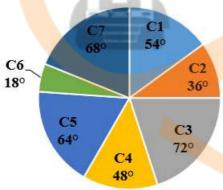


What is the positive difference in the total export figures of all the five years taken together and the total import figures of all the five years taken together?

- **A** ₹6,20,000
- **B** ₹5,40,000
- **C** ₹5,80,000
- **D** ₹6,60,000

Answer: D

62. The following pie chart shows the sectors representing the shares of the number of electric buses manufactured in each of 7 different colours in a given year in terms of the central angles (in degrees) with respect to the total number of buses manufactured during that year of all the 7 colours taken together.



What is the difference in the percentage shares of buses of C4 and C6? [Give your answer correct to 2 decimal places.]

- **A** 11.11%
- **B** 8.33%
- **C** 9.09%
- **D** 12.5%

Answer: B

- 63. The selling prices of two articles are equal. If the first article is sold at a profit of 20% and the second article is sold at a loss of 20%, what will be the overall loss percentage?
- **A** 4%
- **B** 3.5%

- **c** 2.5%
- **D** 2%

Answer: A

64. The table below gives the ranks secured by five different students in three different subjects in a qualifying examination:

Subject → Students ↓	Maths	Physics	Chemistry
A	12	22	14
В	15	21	15
C	3	15	22
D	14	24	1
E	18	13	2

Find the positive difference between the ranks secured by A in Physics and in Maths.

- **A** 25
- **B** 10
- **C** 15
- **D** 20

Answer: B

- 65. Rachit invests ₹12,000 for a 2-year period at a certain rate of simple interest per annum. Prasad invests ₹12,000 for a 2-year period at the same rate of interest per annum as Rachit, but in Prasad's case the interest is compounded annually. Find the rate of interest per annum if Prasad receives ₹172.80 more as interest than Rachit at the end of the 2-year period.
- **A** 10%
- **B** 8%
- C 12%
- **D** 5%

Answer: C

- **A** $\begin{array}{c} 8305 \\ 1104 \end{array}$
- **B** 4675
- c $\frac{2565}{2208}$
- D $\begin{array}{c} 9155 \\ 2208 \end{array}$

Answer: D

6	7. If the population of a town is 12,000 and the population increases at the rate of 10% per annum, then find the population after 3 years.
A	15,972
В	12,200
C	11,200
D	10,200 Inswer: A
6	3. If 16: X :: X 196, find the positive value of x?
A	60
В	62
C	56
D	64
	answer: C
A B	20. 80 liters of a mixture of alcohol and water contains 60% alcohol. If 'X' liters of water is added to this mixture, then the percentage of alcohol in the new mixture becomes 40%. What is the value of X? 20
С	40
D	60 Answer: C
7	The length, the breadth, and the height of a cuboid are 40 cm, 20 cm and 10 cm, respectively. What is the volume of this cuboid?
A	$16000\ cm^3$
В	8000 cm^3
С	2000 cm^3
D	4000 cm^3
	nswer: B
7	Akshay has 30 articles, each having the same cost price. He marked the price of each article at 30% above its cost price. He sold 15 of the articles at a discount of 20% each, and the remaining 15 articles at a discount of 10% each, thereby gaining a

total profit of ₹630. What was the cost price of each article?

A	₹240
В	₹180
С	₹280
D	₹200
A	Answer: D
7:	2. Bobby and Billy can complete a job in 28 days and 20 days, respectively. They work together for 5 days, after which Billy leaves the job. In how many days did Bobby alone complete the rest of the job?
A	15 days
В	20 days
C	12 days
D	16 days
L	Answer: D
7	3. What is the value of $[7+14 imes8+(5\div15 imes6-4 imes3)]$?
A	-4
В	-2
С	-6 INDIA
D	-5
	Answer: C
7	4. The volume of a cone is 27720 cm^3 . If the height of the cone is 20 cm, then what will be the area of the base?
A	4158 cm^2
В	4272 cm^2
С	4626 cm^2
D	4836 cm^2
A	Answer: A
7	5. In an office of 900 employees, on a particular day, except for 10% of the female employees, all employees were present. On the next day, except for 8% of the male employees, all employees were present. The number of employees present on each of these two days was the same. Find the total number of male employees on the payrolls of this office.
A	550
В	450
С	800

5 00	
Answe	er: D
76 T	General Awareness
/6. Ian	jore Balasaraswati was known for which classical dance form?
A Bihu	
B Bhar	atanatyam
C Mani	puri
D Odis	si
Answe	er: B
77. Whi	ch of the following persons won the 'Best Female Debut' Awar <mark>d a</mark> t the 2021 Paralympic Sports Awards 2021?
A Deep	pa Ma <mark>lik</mark>
B Bhav	rin <mark>abe</mark> n Patel
C Avan	ii Lekhara
D Miral	<mark>bai</mark> Chanu
Answe	er: C Leal (C) N. D. A. J.
78. Whi	ch <mark>of th</mark> e following rivers forms the largest river system of Rajasthan?
A Krish	
B Narn	nada
C Tapi	
D Luni	
Answe	er: D
79. In h	uman beings, the small intestine is coiled and is about metres long.
A 1 to	1.5
B 3 to 3	3.5
c 2 to 3	2.5
7 to	7.5
Answe	er: D

8	0. Who among the following was the first athlete to represent India in fencing at the Tokyo Olympics 2020?
A	Aditi Ashok
В	PT Usha
C	Bhavani Devi
D	PV Sindhu
	Answer: C
8	 A form of financial service which provides small loans and other financial services to poor and low-income households is called
A	microfinance
В	commercial mortgage
C	invoice financing
D	personal finance
	Answer: A
8	2. Wh <mark>ich</mark> of the follo <mark>wing are</mark> also called the amphibians of the plant kingdom?
A	Pteridophytes Pteridophytes
В	Thallophytes
C	Angiosperms Company of the Company o
D	Bryophytes
	Answer: D
8	3. Buddha attained enlightenment at
A	Varanasi
В	Bodh Gaya
С	Kusinara
D	Pataliputra
	Answer: B
8	4. 'Unfinished: A Memoir' is the autobiography of
A	Priyanka Chopra Jonas
В	Deepika Padukone

С	Kareena Kapoor
D	Alia Bhatt
A	answer: A
8	5. Which of the following festivals is celebrated when the annual harvest takes place in Assam?
A	Lohri
В	Pongal
С	Magh Bihu
D	Makaravilakku
A	nswer: C
04	5. Which of the following is considered to be the fifth state of matter?
00	s. Which of the following is considered to be the fifth state of matter?
A	Bose-Einstein condensate
В	Plasma
С	Solid
D	Gas
A	unsw <mark>er:</mark> A
87	7. Wh <mark>ich o</mark> f the following peninsular rivers has the largest drainage basin?
A	Godavari
В	Mahanadi
С	Narmada
D	Krishna
A	inswer: A
88	3. A type of unemployment in rural areas when people are not able to find jobs during some months of the year is called
A	educated unemployment
В	disguised unemployment
С	frictional unemployment
D	seasonal unemployment
A	answer: D

8	9. Vasco da Gama, a Portuguese explorer came to India in
Δ	1496
В	1498
С	1495
D	1497
1	Answer: B
91	D. Who among the following addressed the Indian National congress as its President in 1887?
Δ	Balgangadhar Tilak
В	Badruddin Tyabji
С	WC Bannerji
D	Dadabhai Naoroji
L	Answer: B
9	1. Which team lost to Dabang Delhi KC in the finals of the Pro Kabbadi League season 8?
Δ	Puneri Paltan
В	Pat <mark>na Pi</mark> rates
С	Guja <mark>rat G</mark> iants
D	UP Yoddha
L	Answer: B
9:	2. Soilless agriculture is called
Δ	hydroponics
В	shifting agriculture
С	dry farming
D	pastoral farming
L	Answer: A
9:	3. Which Article of the Indian Constitution enshrines the Right against Exploitation?
Δ	Article 23
В	Article 21
С	Article 25
D	Article 22

Answer: A

9	4. What does 'Chaitya' in Buddhist architecture refer to?
A	Buddha relic
В	Prayer hall
С	Residence
D	Monastery
	Answer: B
9	5. As per Census 2011, what is the Total Fertility Rate (an approximate range) in India?
A	3.1 - 3.9
В	2.1 - 2.9
С	5.1 - 5.9
D	4.1 - 4.9
A	Answer: B
9	6. Who among the following is a famous Sitar player?
A	Usta <mark>d R</mark> ehman Khan
В	Kish <mark>an M</mark> aharaj
С	Ali Ah <mark>mad</mark> Hussain
D	Anoushk <mark>a Shan</mark> kar
	Answer: D
9	 As per the Constitution of India, the President of India shall hold office for a term of from the date on which he enters upon his office.
A	four years
В	six years
С	three years
D	five years
1	Answer: D

9	8. Mohiniyattam is a classical dance form of which Indian state?
A	Andhra Pradesh
В	Kerala
С	Tamil Nadu
D	Assam
	Answer: B
9	9. Which Chola ruler built the Brihadeshwara Temple at Tanjore?
A	Rajaraja I
В	Rajendra I
С	Vijayalaya
D	Rajendra III Answer: A
10 A	0. Which state of India has set up District Investment Promotion Agencies (DIPA)? Karnataka
В	Har <mark>yana</mark> Odisha
	The second of th
D	West Be <mark>ngal</mark> Answer: C