DSSSB JULY 2018

Secti	on : Mental Ability	
Q.1	Vivek goes 30 metres North, then turns right and walks 40 metres, then again turns right and walks 20 metres, then again turns right and walks 40 metres. How many metres is he away from his original position?	Question ID : 16794311535
Ans	X 1. 5 metres	
	× 2. 2 metres	
	× 3. 11 metres	
	✓ 4. 10 metres	
Q.2	In a certain code, 'li ke pee' means 'chilly is green', 'tik hee' means 'white flowers' and 'pee nit hee' means 'flowers are fruits'. How will you write 'white' in that code?	Question ID : 16794311529
Ans	X 1. nit	
	× 2. pee	
	✓ 3. tik	
	X ⁴. hee	
Q.3	Study the information carefully and answer the question that given below:	Question ID : 16794311536
	(i) P, Q, R, S, T, U and V are sitting around a circle and are facing the centre.(ii) V is second to the left of R, who is to the immediate left of U.	
	(iii) P is third to the left of T.	
	(iv) Q is between S and T.	
Ans	Which of the following is the position of U?	
7 110	1. Fourth to the right of S.	
	2. To the immediate left of R.	
	X 3. Between A and S.	
	* 4. To the immediate right of P.	
Q.4	Select the option that is related to the third term in the same way as the second term is related to the first term.	Question ID : 16794311522
Ans	SURGEON: SCALPEL:: AUTHOR: 1. PEN	
	×2. ERASER	
	X 3. READ	
	X 4. SONG	
_	ri - Solio	
Q.5	Find the similar pair for the following:	Question ID : 16794311531
	50:26::	
Ans	X 1. 44 : 11	
	177.11	

2. 24:13 X 3. 11:5.5 X 4. 30:14 Q.6 In English alphabet, which letter is midway between 22nd letter from the left and 21st letter from the right? Question ID: 16794311524 Ans X 1. M X 2. R √ 3. N X 4. P Q.7 Choose most appropriate option. Question ID: 16794311532 You have mild fever, you feel that: 1 health is more important than work × 2. it is unnecessary to think about any work it is necessary to join work just to complete the urgent ones. X 4 it is not necessary to go to office Q.8 In the following question, there are two statements labeled as Assertion (A) and Reason (R). Choose the correct Question ID: 16794311525 Assertion (A): Telephone wires sag more in summer. Reason (R): They expand due to summer heat. Ans Both A and R are true and R is not the correct explanation of A. X 2. A is false but R is true. X 3. A is true but R is false. Both A and R are true and R is the correct explanation of A. Q.9 You are given three statements and three conclusions. Choose the comment about conclusion from the given options below Question ID: 16794311519 Statements: I. Some pastes are brushes. II. No brush is towel. III. All towels are soaps I. Some soaps are brushes. II. Some pastes are towels. Ans X 1. Only conclusion II follows. 2 Only conclusion I follows. X 3. Either II or III follows. 4 Either I or III follows. Q.10 In a class of 100 students, 63 like icecreams and 76 like cool drinks. How many of them like both? Question ID: 16794311523 1. 39 X 2. 35

Question ID: 16794311537

Question ID: 16794311533

Question ID: 16794311527

Question ID: 16794311526



Q.11 You are given a statement and two conclusions. Choose the comment about conclusions from the given options below:

All actors are singers. All players are actors.

I. All players are singers.
 II. Some actors are players.

Ans

- X 1. Only conclusion II follows.
- × 2. Neither conclusion I nor II follows.
- X 3. Only conclusion I follows.
- ✓ 4. Both conclusions I and II follow.
- Q.12 Find the missing character:

A	P B		Q	
L	E	M	F	
W	G	?	Н	

- Ans 🔀 1. J
 - X 2. V
 - X 3. Y
 - **√** 4. X
- Q.13 Find the missing number from the following:

	i i	
	154	
14	221	196
	11	

	315	
15	?	225
	21	

- **1**. 261
- X 2. 255
- X 3. 265
- X 4. 251
- Q.14 Find the missing number:

 $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{7}{16}, \frac{9}{32}, \dots$

	\times 1. $\frac{10}{64}$	
	$\times 2. \frac{10}{46}$	
	✓ 3. $\frac{11}{64}$	
	× 4. 11/48	
	'Japan' is related with 'Tokyo', in the same way as 'France' is related with	Question ID : 16794311528
Ans	X 1 London	
	× 2. England	
	X 3. Dollar	
	✓ 4. Paris	
Q.16	Sreenithi, Bavya, Chithra, Deepa and Guna are five friends. Sreenithi is shorter than Bavya but taller than Guna. Chithra is the tallest. Deepa is shorter than Bavya and taller than Sreenithi. Who has two persons taller and two persons shorter than her?	Question ID : 16794311520
Ans	X 1. Sreenithi	
	× 2. Chithra	
	X 3. Guna	
	√ 4. Deepa	
	N 2554 N 2554 N C 254 X	
	Pointing to a man, Kavya says, "This man's son's sister is my mother-in-law". How is Kavya's husband related to the man	Question ID : 16794311518
Q.17 Ans	X 1. Father	Question ID : 16794311518
	X 1. Father X 2. Son-in-law	Question ID : 16794311518
	 1. Father 2. Son-in-law 3. Son 	Question ID : 16794311518
	X 1. Father X 2. Son-in-law	Question ID : 16794311518
Ans	 Father Son-in-law Son Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya' shadow fell exactly towards left hand side. Which direction was Neha facing? 	Question ID : 16794311518
Ans	1. Father 2. Son-in-law 3. Son 4. Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya's shadow fell exactly towards left hand side. Which direction was Neha facing? 1. South	Question ID : 16794311518
Ans	 Father Son-in-law Son Grandson Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya's shadow fell exactly towards left hand side. Which direction was Neha facing? South North 	Question ID : 16794311518
Ans	 Father Son-in-law Son Grandson Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya' shadow fell exactly towards left hand side. Which direction was Neha facing? South North 3. West 	Question ID : 16794311518
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after surrise, Priva and Neha were standing in a garden with their backs towards each other. Priva' shadow fell exactly towards left hand side. Which direction was Neha facing? South North West East 	Question ID : 16794311518 Question ID : 16794311521
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya' shadow fell exactly towards left hand side. Which direction was Neha facing? South North 3. West 	Question ID : 16794311518 Question ID : 16794311521
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya' shadow fell exactly towards left hand side. Which direction was Neha facing? South North North Three girls Banu, Dhivya and Nithya are standing in a queue. There are five girls between Banu and Dhivya and eigh girls between Dhivya and Nithya. If there are three girls ahead of Nithya and 21 behind Banu, then what could be the 	Question ID : 16794311521
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after surrise, Priva and Neha were standing in a garden with their backs towards each other. Priva' shadow fell exactly towards left hand side. Which direction was Neha facing? South North North West East Three girls Banu, Dhivya and Nithya are standing in a queue. There are five girls between Banu and Dhivya and eigh girls between Dhivya and Nithya. If there are three girls ahead of Nithya and 21 behind Banu, then what could be the minimum number of girls in the queue? 1. 25 2. 28	Question ID : 16794311521
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after sunrise, Priya and Neha were standing in a garden with their backs towards each other. Priya' shadow fell exactly towards left hand side. Which direction was Neha facing? South North North West East Three girls Banu, Dhivya and Nithya are standing in a queue. There are five girls between Banu and Dhivya and eigh girls between Dhivya and Nithya. If there are three girls ahead of Nithya and 21 behind Banu, then what could be the minimium number of girls in the queue? 25 28 36 36 	Question ID : 16794311521
Q.18 Ans	 Father Son-in-law Son Grandson Grandson One morning after surrise, Priva and Neha were standing in a garden with their backs towards each other. Priva' shadow fell exactly towards left hand side. Which direction was Neha facing? South North North West East Three girls Banu, Dhivya and Nithya are standing in a queue. There are five girls between Banu and Dhivya and eigh girls between Dhivya and Nithya. If there are three girls ahead of Nithya and 21 behind Banu, then what could be the minimum number of girls in the queue? 1. 25 2. 28	Question ID : 16794311521

You are given two statements I and II. Choose the comment about the statements from the given options below:

- The employees of the oldest bank in the country have given an indefinite strike call starting from 4th of the next month.
- II. The employees of the Central Government have withdrawn their week long demonstrations.

Ans



Statement II is the cause and Statement I is its effect.



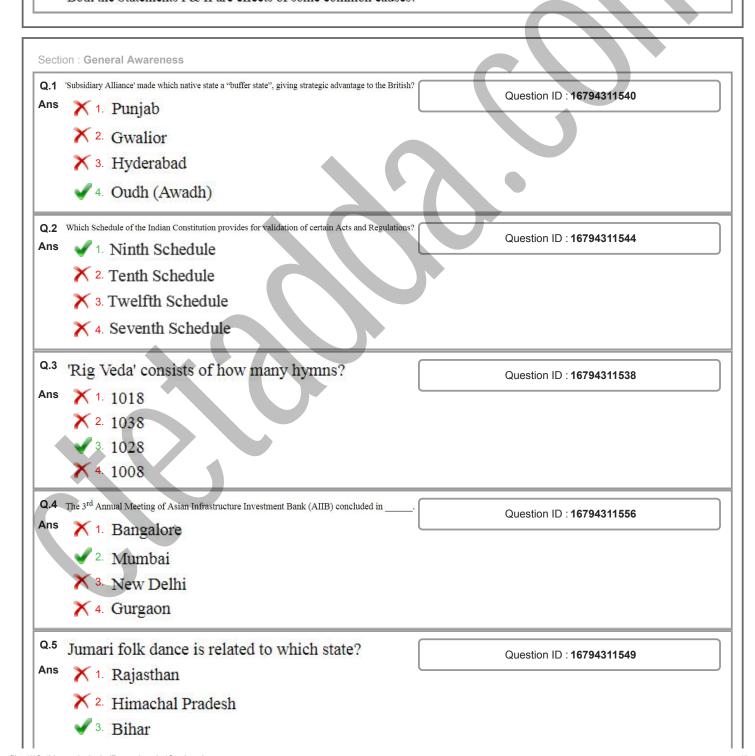
Statement I is the cause and Statement II is its effect.



Both the Statements I & II are effects of independent cause.



Both the Statements I & II are effects of some common causes.



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	× 4. Gujarat	
Q.6	The Integral Coach Factory (ICF) for first time has rolled out three phase energy efficient eight car MEMU train set built with stainless steel bodies in	Question ID : 16794311557
Ans	✓ ¹. Chennai	
	× 2. Varanasi	
	X 3. Kapurthala	
	× 4. Chittaranjan	
Q.7	Dhoni is the Indian cricketer to get Padma Bhushan, the third highest civilian honour.	Question ID : 16794311551
Ans	× 1. 9 th	Question is 1 to 0 100 i
	× 2. 10 th	
	√ 3. 11 th	
	× 4. 8 th	
Q.8	Which constitutional amendment accorded status of Associate State to Sikkim by ending it's protectorate kingdom status?	Question ID : 16794311545
Ans	1. 36 th Constitutional Amendment Act,1975	Question ID : 107 343 11043
	✓ 2. 35 th Constitutional Amendment Act,1974	
	★ 3. 31 st Constitutional Amendment Act, 1973	
	X 4. 30 th Constitutional Amendment Act,1972	
Q.9 Ans	According to AfrAsia Bank Global Wealth Migration Review, India is the wealthiest country in the world. **Tifth** 1. Fifth**	Question ID : 16794311547
	× 2. Eighth	
	X 3. Tenth ✓ 4. Sixth	
	4. SIXIII	
Q.10	'Birr' is the currency of which country?	Question ID : 16794311542
Ans	X 1. Brazil	
	2. Ghana	
	3. Ethiopia	
	X 4. Belarus	
Q.11	Union Government is going to launch Credit Enhancement Fund (CEF) in July 2018 to facilitate infrastructure investments by insurance and pension funds.	
Ans	1. ₹ 300 crore	Question ID : 16794311546
	× 2. ₹ 400 crore	
	× 3. ₹ 200 crore	
	✓ 4. ₹ 500 crore	
Q.12	The headquarter of International Olympic Committee is located in which city?	
Ans	1. Lausanne	Question ID : 16794311554

	~~	
	× 2. Zurich	
	X 3. Geneva	
	X 4. Bern	
Q.13	Scientists from which country have created world's first 3D printed human corneas (3D printed thin protective film over eye)?	Question ID : 16794311553
Ans	√ 1. UK	
	× 2. USA	
	× 3. China	
	× 4. Japan	
Q.14	Where is the Union Ministry of Sports and Youth Affairs is going to establish a National Sports Museum?	Question ID : 16794311552
Ans	★ 1. Gurgaon	Question D . 10134311332
	✓ 2. New Delhi	
	× 3. Patiala	
	X 4. Chandigarh	
Q.15	Who among the following is not a well become Brings	
Ans	Who among the following is not a well-known Painter?	Question ID : 16794311548
Alis	1. C.C. Mehta	
	× 2. Nandlal Bose	
	X 3. F.N. Souza	
	X 4. Tyeb Mehta	
Q.16	The founder of Suhrawardi order in India was:	Question ID : 16794311550
Ans	🗡 1. Sheikh Hamiduddin Nagauri	
	× 2. Sheikh Nasiruddin Mahmood	
	X ₃ Sheikh Badruddin Samarkandi	
	✓ 4. Sheikh Bahaud-din Zakariya	
0.47		
	Which Article provides for the Secretariat of Parliament?	Question ID : 16794311543
Ans	Article 98	
	X 2. Article 90	
	3. Article 93	
	X 4. Article 95	
Q.18	Which of the following rulers DOES NOT belong to the Slave dynasty?	Question ID : 16794311539
Ans	1 Iltutmish	
	✓ 2. Alauddin Khilji	
	X 3. Qutub-ud-din Aibak → 3. Qutub-ud-din Aibak	
	× 4. Balban	
Q.19	The capital of Bahrain is	Question ID : 16794311541
	The state of the s	SCOOMS IN THE STATE OF THE STAT

Ans X 1. Baku X 2. Dakar X 3. Doha 4. Manama Q.20 Which country has gifted a pair of Giant Aldabra tortoise to India as a goodwill gesture? Question ID: 16794311555 X 1. Indonesia 2. Seychelles X 3. Malaysia X 4. Thailand

Section: Arithmetic Ability **Q.1** A person spends $\frac{2}{5}$ of his money on food, $\frac{1}{5}$ of the remaining on clothes and $\frac{2}{5}$ of the remaining on transport. If he is left Question ID: 16794311562 with ₹ 760, how much money he had in the beginning? Ans × 1. ₹ 6,200 X 2. ₹ 5,500 **√** 3. ₹ 5,700 X 4. ₹ 5,680 Q.2 The compound interest on ₹8,000 for 2 years is ₹1,331.20. What is the rate of compound interest per annum Question ID: 16794311568 Ans X 1. 12% X 2. 6% J 3. 8% X 4. 10% Q.3 A person marks his goods at 40% above the cost price and allows a discount of 25%. What is his gain percent? Question ID: 16794311567 Ans 1. 5% X 2. 12% 3. 15% 4. 17% A and B take round of a circular path of radius 70 m in opposite directions starting from a point O. When B reaches the starting point O the first time, he meets A there the third time (other than starting point). What is the ratio of speeds of A and B? Question ID: 16794311570 Ans X 1. 3:1 X 2. 4:1 X 4. 9:4 If $\frac{1}{a} : \frac{1}{b} : \frac{1}{c} = 2 : 3 : 7$, then a: b: c is equal to: Question ID: 16794311565 Ans √ 1. 21:14:6

X 2. 6:14:21

X 3. 21:6:14

X 4. 6:21:14

Q.6 By selling 16 articles, a person lost the selling price of 4 articles. What is his loss percent?

- X 1. 16%
- X 2. 25%
- \times 3. $\frac{50}{3}$ %
- 4. 20%

Q.7 A can complete certain work in 40 hours and B can complete the same work in 60 hours. In how many hours will the work be completed if A leaves 10 hours before the actual completion of the work?

Question ID: 16794311571

Question ID: 16794311566

Ans

- X 1. 39
 - X 2. 42
 - X 3. 44
 - 4. 30

Q.8 Let x be the least number which when divided by 32, 48, 90 and 64, the remainders are 20, 36, 78 and 52 respectively. What is the sum of digits of x?

Question ID: 16794311564

Ans

- X 1. 20
 - X 2. 21
 - X 3. 18
 - 4. 24

Q.9

Question ID: 16794311558

- Ans X 1. 0.01
 - X 2. 0.076
 - X 3. 0.76
 - 4. 0.0076

Q.10

$$\frac{5\frac{2}{3} - \frac{3}{7}of_{\frac{9}{9}}^{\frac{7}{9}}}{\frac{2}{3} \div 2\frac{1}{9} - \left(4\frac{3}{5} + 6\frac{1}{5}\right)} - 6\frac{1}{2} \div \frac{2}{3} \text{ is equal to:}$$

Question ID: 16794311561

Ans

Q.11 If the radius of a sphere is increased by 50%, by what percent its volume will increase?

Ans

- 1. 237.5%
- X 2. 175%

Question ID: 16794311569

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X 3. 250%

X 4. 150%

Q.12 Let $x = 623^{57} - 27^{30}$, then what is the unit's digit of x?

Question ID: 16794311560

Ans X 1. 2

X 2. 3

3. **4**

X 4. 6

Q.13 The HCF of two numbers is 12 and their sum is 384. How many such pairs of numbers are possible?

Question ID: 16794311563

Ans X 1. 9

X 2. 4

X 3. 7

4. 8

 $0.1\overline{63} + 0.\overline{25} - 0.\overline{18}$ is equal to:

Question ID: 16794311559

Ans $\times 1.0.1\overline{70}$

× 2. 0.198

√ 3. 0.234

X 4. 0.233

Comprehension:

The missing values in the table can be filled based on the data provided in the table and questions.

Data related to number of employees in different companies and their qualification as graduate in different streams.

Companies	Total Employees	Science	Commerce	Arts
A			30%	30%
В		40%	35%	
C	450	21%	44%	/ -
D	650	48%		()-
Е		-	20%	50%

SubQuestion No : 15

Q.1 The average number of Science and Commerce graduate employees in company A was 259. What is the total number of employees in company A?

Question ID: 16794311573

X 1. 720

2. 740

X 3. 762

X 4. 780

Comprehension:

The missing values in the table can be filled based on the data provided in the table and questions.

Data related to number of employees in different companies and their qualification as graduate in different streams.

Companies	Total Employees	Science	Commerce	Arts
A	-		30%	30%
В	-	40%	35%	
C	450	21%	44%	-
D	650	48%	1-	1-
E	-	-	20%	50%

SubQuestion No : 16

Q.1 In company D, the ratio of Arts and Commerce graduates is 4:9. What is the number of commerce graduates in company D?

Question ID : 16794311574

An 🗸 1. 234

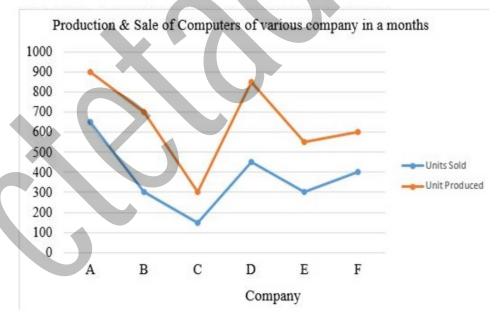
X 2. 216

X 3. 232

X 4. 224

Comprehension:

Study the graph and answer the questions that follows:



SubQuestion No: 17

Q.1 The total computers sold by A, B and C together is approximately what percent of the total computers produced by these companies?

Question ID: 16794311577

An 🔭

X 1. 56.8%

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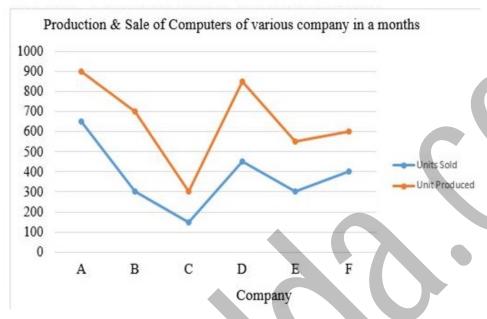
√ 2. 57.9%

X 3. 58%

X 4. 59.7%

Comprehension:

Study the graph and answer the questions that follows:



SubQuestion No: 18

Q.1 Which company had the highest percentage of sale with respect to its production?

Question ID : 16794311576

An X 1. C

X 2. D

X 3. B

√ 4. A

Study the venn diagram that gives the number of candidates who failed in different subjects.

1,200 candidates appeared in an examination that comprises subjects Physics, Chemistry and Mathematics. Answer the following questions based on the information provided in the diagram.

Physics 90 16 120 18 22 114

Chemistry

Mathematics

SubQuestion No : 19

Q.1 What is the percentage of students who failed in at least two subjects?

Question ID : 16794311580

An X 1. 5%

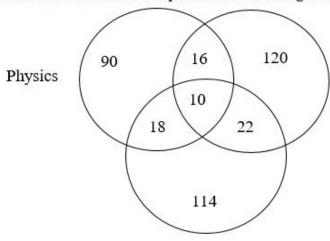
X 2. 25%

X 3. 55%

√ 4. 5.5%

Study the venn diagram that gives the number of candidates who failed in different subjects.

1,200 candidates appeared in an examination that comprises subjects Physics, Chemistry and Mathematics. Answer the following questions based on the information provided in the diagram.



Chemistry

Mathematics

SubQuestion No: 20

Q.2 What is the percentage of students who passed in all three subjects?

Question ID : 16794311579

Question ID: 16794311584

An X 1. 69.5%

X 2. 66%

√ 3. 67.5%

X 4. 68.25%

Section : General English

Q.1 From the given options, select the one that represents the appropriate meaning of the underlined IDIOM in the sentence given below.

My sister and I can never see eye to eye when it comes to choosing a place to go for a holiday.

Ans agree with someone

X 2. to watch someone carefully

X 3. the centre of a storm

X 4. to feel awkward

Q.2 From the given options choose the one that means the OPPOSITE of **significant**.

Ans X 1. important

2. meaningless

X 3. outstanding

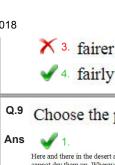
X 4. relevant

Q.3

Question ID: 16794311588

Question ID: 16794311582

	Fill in the blank in the sentence given below with the correct option.	
	Delhi is very hot and dry. My grandparents I wish they in a cooler place	
Ans	★ 1 exhausting; staying	
	× 2. exhaust; am staying	
	X 3 are exhausting; are staying	
	✓ 4. feel exhausted; stayed	
Q.4	Select the indirect form of narration of the given sentence. My friend Sujata said to me, "You go to Sarojini Nagar if you want to buy good quality clothes at affordable prices."	Question ID : 16794311593
Ans	X 1.	
	My friend Sujata said to me, go to Sarojini Nagar if you want to buy good quality clothes at affordable prices	
	 My friend Sujata suggested (to me) that I go to Sarojini Nagar if I wanted to buy good quality clothes at affordable 	
	prices.	
	Wy friend Sujata told me, why you don't go to Sarojini Nagar if you want to buy good quality clothes at affordable prices.	
	★ 4.	
	My friend Sujata advised me to go to Sarojini Nagar if I want to buy good quality clothes at affordable prices	
Q.5	From the given options, select the word that can substitute the underlined words in the sentence given below.	Question ID : 16794311585
	I think the <u>number of places you want to visit</u> within four days is rather ambitious. You can't enjoy any of the places properly.	Question in . 10794311303
Ans	✓ 1. itinerary	
	× 2. forum	
	X ₃ agenda	
	X 4. menu	
	· · · · · · · · · · · · · · · · · · ·)
Q.6	Fill in the blank in the sentence given below with the correct option.	Overefier ID : 46704244 F97
Q.6		Question ID : 16794311587
Q.6	Fill in the blank in the sentence given below with the correct option.	Question ID : 16794311587
	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time	Question ID : 16794311587
	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting	Question ID : 16794311587
	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted	Question ID : 16794311587
Ans	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste	
Ans	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste	Question ID : 16794311587 Question ID : 16794311590
Ans	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family	
Ans	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family and friends.	
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Ans	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family and friends. 1. even when 2. live without there 3. It has been observed	
Q.7	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste 4. deal; waste 5. Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family and friends. **\frac{1}{2}\$ 1. even when 2. live without there 3. It has been observed 4. family and friends	
Q.7	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family and friends. 1. even when 2. live without there 3. It has been observed	
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Q.7	Fill in the blank in the sentence given below with the correct option. Whatever the problem may be, you with it. There's no use time time 1. have to deal; wasting 2. are dealing; wasted 3. dealt; to waste 4. deal; waste 4. deal; waste 5. Given below is an incorrect sentence. From the given options, select the part that has an error. It has been observed that many of us can't live without there mobile phones even when we are surrounded by family and friends. ** 1. even when 2. live without there 3. It has been observed 4. family and friends Fill in the blank in the sentence given below with the correct option. This article on millennials is interesting.	Question ID : 16794311590



Choose the passage that is correctly punctuated.

Question ID: 16794311595

Here and there in the desert are springs of water that come from deep down under the ground---so deep that the sun cannot dry them up. Wherever, there is a spring, trees grow tall and graceful, making a cool, green shady place called an



Here and there in the Desert are Springs of water that come from deep down under the ground---so deep that the Sun cannot dry them up. wherever there is a spring trees grow tall and graceful, making a cool, green shady place called an



Here and there in the desert are Springs of water that come from deep down under the ground---so deep that the Sun cannot dry them up. Wherever there is a spring trees grow tall and graceful making a cool green shady place called an



Here And There In The Desert Are Springs Of Water That Come From Deep Down Under The Ground---So Deep That The Sun Cannot Dry Them U Wherever There Is A Spring, Trees Grow Tall And Graceful, Making A Cool green shady

Q.10 Given below is an incorrect sentence. From the given options, select the part that has an error.

Not even ill-health has stopped the 71 year old Tabarez, Uruguay's national team coach, which was expected to quit in 2016 but has carried on with the help of a walking stick or electric wheelchair.

Question ID: 16794311591

Ans X 1. with the help of

X 2. Not even ill-health

X 3. the 71 year old

✓ 4. which was expected to quit

Q.11 Select the PASSIVE VOICE form of the given sentence.

A little appreciation from teachers can reduce destructive behavior of adolescents, reveals a new study.

Question ID: 16794311592

Ans



Adolescents, a new study reveals, stop behaving in a destructive manner if teachers appreciate them.



Adolescents stop behaving in a destructive manner if teachers appreciate them. A new study reveals this.



A new study reveals that destructive behavior of adolescents can be reduced by a little appreciation from teachers.



A little appreciation from teachers is helpful in stopping destructive behavior of adolescents.

Q.12 Detect the mis-spelt word from the given options.

Question ID: 16794311583

1. proublem

× 2. pitiable

X 3. pledge

X 4. plunder

Q.13 From the given options choose the one that would mean the SAME as harmony.

Question ID: 16794311581

Ans

X 1 friction

X 2. discord

X 3. difference

4. unity

Q.14

Choose the best option to combine the given sentences into a single sentence. Question ID: 16794311594 White giraffes are extremely rare. A wild life photographer caught it on camera for the first time. This happened in Ans In South Africa, a wild life photographer caught white giraffes that are extremely rare. Extremely rare white giraffes caught on camera by a wild life photographer in South Africa. **X** 3. As white giraffes are extremely rare, a wild life photographer shot one in South Africa. **X** 4. South African white giraffe, which are extremely rare, caught by wild life photographer. Q.15 Fill in the blank in the sentence given below with the correct option. Question ID: 16794311586 App-based on-line shopping is enticing. Even older people like my mother _____ Ans X 1 fall away X 2. fall behind X 3. fall upon √ 4. fall for

Comprehension:

Read The following passage and answer the questions given below:

An amateur rugby player, who was forced to eat the body parts of his dead teammates when the plane carrying his Old Christians club to Chile crashed in 1972. Gustavo Carlos Zerbino has motivated mercurial Uruguayan striker Luis Suarez to keep him from biting his opponents. Gustavo Carlos Zerbino, was once Uruguay's mental conditioning coach. He gave a motivational talk to Uruguay's squad before its departure for Moscow, He spoke particularly to Suarez whose 2014 world cup had ended in ignominy after he was handed a four month ban for biting Italy's Giorgio Chiellini during the team's last group game. "Those were moments of indiscretion by a very emotional player. The Suarez that we see now is in control of his emotions.....He is an excellent player and human being. I told him to focus on how he plays and not what others do on the field. I told the players that to have extraordinary results you have to do extraordinary things. You have to want the cup, believe in it and do everything in your power to claim it," Zerbino said.

The plane crash in October 1972 had left Zerbino and 25 others stranded in the Andes for 72 days at 15,000 ft with temperature as low as -35 degree centigrade with low oxygen and no water and no water or food. A second year medical student then, he convinced others to eat the dead bodies to survive. After two months three survivors were able to trek miles through the snow to raise help. Only 16 survived and the story told in the 1993 film 'Alive'.

"If I could beat the most outrageous misfortune, the team could surely overcome the challenges that other teams throw at them and come out trumps," Zerbino, who had worked with the national team for the last 12 years, told the Uruguayan squad.

SubQuestion No: 16

Q.1 Why did Zerbino speak particularly to Suarez when he came to Russia for the world cup?

Question ID: 16794311600

Zerboni is aware of the strengths and weaknesses of all players, particularly Suarez's emotional nature.



Zerboni did not want Suarez to fight with his opponents to defend him (Gustavo Zerboni).



Zerbino was very fond of Suarez and preferred him over other players.



Zerboni knew Suarez is a moody player and he could even refuse to play at the last moment.

Comprehension:

Read The following passage and answer the questions given below:

An amateur rugby player, who was forced to eat the body parts of his dead teammates when the plane carrying his Old Christians club to Chile crashed in 1972. Gustavo Carlos Zerbino has motivated mercurial Uruguayan striker Luis Suarez to keep him from biting his opponents. Gustavo Carlos Zerbino, was once Uruguay's mental conditioning coach. He gave a motivational talk to Uruguay's squad before its departure for Moscow. He spoke particularly to Suarez whose 2014 world cup had ended in ignominy after he was handed a four month ban for biting Italy's Giorgio Chiellini during the team's last group game. "Those were moments of indiscretion by a very emotional player. The Suarez that we see now is in control of his emotions.....He is an excellent player and human being. I told him to focus on how he plays and not what others do on the field. I told the players that to have extraordinary results you have to do extraordinary things. You have to want the cup, believe in it and do everything in your power to claim it," Zerbino said.

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"If I could beat the most outrageous misfortune, the team could surely overcome the challenges that other teams throw at them and come out trumps," Zerbino, who had worked with the national team for the last 12 years, told the Uruguayan squad.

SubQuestion No: 17

7 Choose the CORRECT combination.

Question ID: 16794311599

Why is the 1972 air crash mentioned in this writeup?

- Zerboni is one of the few lucky survivors of the 1972 air crash in the Andes.
- The 1993 film 'Alive' is based on this incident.
- It underscores the determination and courage of Gustavo Zerboni.
- d. To highlight Zerboni's practical considerations as a medical student in a desperate situation.
- e. To prove how strong the survival instinct is in all of us when there are hardly any options.

To bring out Zerboni's mental strength even when he was just a medical student.

An s X 1 a, b, c, d,

X 2. b, c, e, f

✓ 3. a, c, d, f

X 4. f, e, a, b

Read The following passage and answer the questions given below:

An amateur rugby player, who was forced to eat the body parts of his dead teammates when the plane carrying his Old Christians club to Chile crashed in 1972, Gustavo Carlos Zerbino has motivated mercurial Uruguayan striker Luis Suarez to keep him from biting his opponents. Gustavo Carlos Zerbino, was once Uruguay's mental conditioning coach. He gave a motivational talk to Uruguay's squad before its departure for Moscow. He spoke particularly to Suarez whose 2014 world cup had ended in ignominy after he was handed a four month ban for biting Italy's Giorgio Chiellini during the team's last group game. "Those were moments of indiscretion by a very emotional player. The Suarez that we see now is in control of his emotions.....He is an excellent player and human being.I told him to focus on how he plays and not what others do on the field. I told the players that to have extraordinary results you have to do extraordinary things. You have to want the cup, believe in it and do everything in your power to claim it," Zerbino said.

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"If I could beat the most outrageous misfortune, the team could surely overcome the challenges that other teams throw at them and come out trumps," Zerbino, who had worked with the national team for the last 12 years, told the Uruguayan squad.

SubQuestion No: 18

Refer to second paragraph last two sentences. What lesson can we learn from Zerboni's advice to the Uruguayan squad?

Question ID : 16794311601

An X

We have to achieve our goal by fair means or foul.

W 2

To be successful, we must know our goal and then work very hard to achieve it.

X 3

Every possible means can be used to keep our rivals out of our way.



There is no need to be scrupulous to achieve the goal we have in mind.

Read The following passage and answer the questions given below:

An amateur rugby player, who was forced to eat the body parts of his dead teammates when the plane carrying his Old Christians club to Chile crashed in 1972, Gustavo Carlos Zerbino has motivated mercurial Uruguayan striker Luis Suarez to keep him from biting his opponents. Gustavo Carlos Zerbino, was once Uruguay's mental conditioning coach. He gave a motivational talk to Uruguay's squad before its departure for Moscow. He spoke particularly to Suarez whose 2014 world cup had ended in ignominy after he was handed a four month ban for biting Italy's Giorgio Chiellini during the team's last group game. "Those were moments of indiscretion by a very emotional player. The Suarez that we see now is in control of his emotions.....He is an excellent player and human being.I told him to focus on how he plays and not what others do on the field. I told the players that to have extraordinary results you have to do extraordinary things. You have to want the cup, believe in it and do everything in your power to claim it," Zerbino said.

The plane crash in October 1972 had left Zerbino and 25 others stranded in the Andes for 72 days at 15,000 ft with temperature as low as -35 degree centigrade with low oxygen and no water and no water or food. A second year medical student then, he convinced others to eat the dead bodies to survive. After two months three survivors were able to trek miles through the snow to raise help. Only 16 survived and the story told in the 1993 film 'Alive'.

"If I could beat the most outrageous misfortune, the team could surely overcome the challenges that other teams throw at them and come out trumps," Zerbino, who had worked with the national team for the last 12 years, told the Uruguayan squad.

SubQuestion No : 19

Q.1 Choose the correct option.

Question ID: 16794311597

Who is this write-up about?

An X 1 Oscar Tabarez, Uruguay coach

X 2. Luis Suarez, Uruguayan striker

X 3. Giorgio Chiellini, Italian defender.

Gustavo Carlos Zerbino, Uruguay's mental conditioning coach

Read The following passage and answer the questions given below:

An amateur rugby player, who was forced to eat the body parts of his dead teammates when the plane carrying his Old Christians club to Chile crashed in 1972, Gustavo Carlos Zerbino has motivated mercurial Uruguayan striker Luis Suarez to keep him from biting his opponents. Gustavo Carlos Zerbino, was once Uruguay's mental conditioning coach. He gave a motivational talk to Uruguay's squad before its departure for Moscow. He spoke particularly to Suarez whose 2014 world cup had ended in ignominy after he was handed a four month ban for biting Italy's Giorgio Chiellini during the team's last group game. "Those were moments of indiscretion by a very emotional player. The Suarez that we see now is in control of his emotions.....He is an excellent player and human being.I told him to focus on how he plays and not what others do on the field. I told the players that to have extraordinary results you have to do extraordinary things. You have to want the cup, believe in it and do everything in your power to claim it," Zerbino said.

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"If I could beat the most outrageous misfortune, the team could surely overcome the challenges that other teams throw at them and come out trumps," Zerbino, who had worked with the national team for the last 12 years, told the Uruguayan squad.

SubQuestion No : 20

Q.2 What is the purpose of this write-up?

Question ID: 16794311598

An 💢

To bring out the meaning of teamwork as opposed to individual excellence.

 \times 2

To show how mental conditioning coaches help individuals attain peak performance.

X 3.

To list the strength and weaknesses of Uruguayan players playing in the world cup 2018.

V 4

To highlight the qualities of G. C. Zerboni and his role in inspiring the Uruguayan team in the 2018 FIFA World Cup.

Section: General Hindi

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

प्रेमचंद के समकालीन प्रसिद्ध छायावादी किव प्रसाद ने रोमानी, सामाजिक और चरित्र प्रधान कहानियाँ लिखी हैं। पुरस्कार, आकाशदीप, मधुवा, गुंडा उनकी प्रसिद्ध कहानियाँ हैं। आकाशदीप रोमानी ऐतिहासिक कहानी है। मधुआ प्रेमचंद की और गुंडा 'उग्र' की कहानियों से मिलती-जुलती है। मन की गहरी परतों को खोलने का उद्देश्य लेकर चलने वाली कहानियों की शुरुआत वस्तुतः हिंदी में प्रसाद की कहानियों से ही होती है। रायकृष्ण दास की कहानी अंतःपुर का आरंभ प्रसाद के प्रभाव में लिखी गई प्रतीत होती है। प्रेमचंद के समकालीन कहानीकारों में विश्वंभरनाथ शर्मा 'कौशिक' और सुदर्शन सामाजिक एवं पारिवारिक विषयों पर कहानियाँ लिखते थे। विश्वंभरनाथ शर्मा 'कौशिक' की कहानी ताई और सुदर्शन की हार की जीत बहुत प्रसिद्ध हुई। ये आदर्शवादी ढर्र की ही कहानियाँ हैं।

SubQuestion No : 1

Q.1 ताई कहानी के लेखक हैं:

Question ID: 16794311606

An 🗙 1. प्रेमचन्द

X 2. रायकृष्ण दास

🗙 ३. सुदर्शन

√ 4 विश्वंभरनाथ शर्मा कौशिक

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No : 2

Q.2 रायकृष्ण दास की कहानी है:

Question ID: 16794311607

An 🗸 1. अंत:पुर का आरंभ

🗙 2. मधुआ

🗙 ३. ताई

Х ⁴ हार की जीत

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No: 3

Q.3 रोमानी ऐतिहासिक कहानी है:

Question ID : 16794311605

An 🗸 1. आकाशदीप

🗶 2. पुरस्कार

🗙 ३. मधुआ

🗙 ४. गुंडा

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No: 4

Q.4 प्रसाद किस दौर के कवि हैं?

An 🗙 1. प्रगतिवादी

🔀 2. नयी कविता

√ 3. छायावादी

🗡 4. प्रयोगवादी

Comprehension:

Question ID: 16794311603

8/2/2018

नीचे दिये गए गदयांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

प्रेमचंद के समकालीन प्रसिद्ध छायावादी कवि प्रसाद ने रोमानी, सामाजिक और चरित्र प्रधान कहानियाँ लिखी हैं। प्रस्कार, आकाशदीप, मध्वा, गुंडा उनकी प्रसिद्ध कहानियाँ हैं। आकाशदीप रोमानी ऐतिहासिक कहानी है। मधुआ प्रेमचंद की और गुंडा 'उग्र' की कहानियों से मिलती-जुलती है। मन की गहरी परतों को खोलने का उद्देश्य लेकर चलने वाली कहानियों की श्रुआत वस्तुतः हिंदी में प्रसाद की कहानियों से ही होती है। रायकृष्ण दास की कहानी अंत:प्र का आरंभ प्रसाद के प्रभाव में लिखी गई प्रतीत होती है। प्रेमचंद के समकालीन कहानीकारों में विश्वंभरनाथ शर्मा 'कौशिक' और स्दर्शन सामाजिक एवं पारिवारिक विषयों पर कहानियाँ लिखते थे। विश्वंभरनाथ शर्मा 'कौशिक' की कहानी ताई और सुदर्शन की हार की जीत बह्त प्रसिद्ध हुई। ये आदर्शवादी ढर्रे की ही कहानियाँ हैं।

SubQuestion No: 5

Q.5 प्रसाद की कहानी नहीं है:

An 🗙 1. पुरस्कार

√ 2. पूस की रात

X 3. आकाशदीप

🗙 ४. गुंडा

Q.6 'निराकार' का विलोम क्या होगा?

Ans 🗙 1. आकार

4. साकार

🔨 ३. आधार

X 4. प्रकार

Q.7 'नदी' का पर्यायवाची नहीं है:

Ans X 1. तटिनी

2 सविता

X 3. सरिता

🗡 ⁴ निर्झरिणी

Q.8 'कृतज' का अर्थ है:

X 1 किये गये उपकार को न मानने वाला

Question ID: 16794311604

Question ID: 16794311621

Question ID: 16794311619

Question ID: 16794311610

X 2. परोपकारी 🗙 3. आजाकारी √ 4 किये गये उपकार को मानने वाला निम्नलिखित में से तत्सम शब्द कौन सा है? Question ID: 16794311608 Ans X 1. घडा ✓ 2. गृह X 3. 宜 🗙 ४. घड़ी Q.10 'संयोग' का संधि-विच्छेद होगा: Question ID: 16794311611 Ans 🗙 1. सः + योग X 2. स + योग √ 3. सम + योग 🗡 4 सन् + योग Q.11 निम्नलिखित में से तद्भव शब्द कौन सा है? Question ID: 16794311609 Ans X 1. स्वामी X 2.

₹वप्न **√** 3. सांझ 🗙 ४. श्वसूर Q.12 'मेरी सौभाग्यवती कन्या का विवाह है।' वाक्य में अशुद्ध अंश है: Question ID: 16794311615 Ans 🗙 1. कन्या का × 2. विवाह है। असोभाग्यवती **X** 4. मेरी Q.13 'देशभक्ति' में समास है: Question ID: 16794311612 Ans 🗙 1. द्विगु ✓ 2. तत्पुरुष 🗙 ३. द्वंद्व 🗡 4. अटययीभाव Q.14 'सूर्य' का पर्यायवाची है: Question ID: 16794311618

√ ¹. आदित्य X 2. कनक 🗙 3. भूप 🗙 ४. पद्माकर Q.15 निम्नलिखित में कौन-सा शब्द स्त्रीलिंग है? Question ID: 16794311614 Ans X 1. नगर **√** ² संपत्ति 🗙 ३. काट्य X 4. अलंकार Q.16 निम्नलिखित में से कौन-सा शब्द संज्ञा है? Question ID: 16794311613 Ans 🗙 1. सुंदर **X** ^{2.} 3चित √ 3. अक्षर X 4. शांत Q.17 'पुत्र' का पर्यायवाची है: Question ID: 16794311620 Ans 🗙 1. प्य **X** 2. तरु X 3. anfi **√** 4. तनय Q.18 'मैं खा चुका।' कैसा वाक्य है? Question ID: 16794311616 Ans 🗸 1. सरल वाक्य 🗡 2 मिश्र वाक्य 🗙 ३. संयुक्त वाक्य 🗙 ४. उपवाक्य ^{Q.19} 'शोक' का विलोम क्या होगा? Question ID: 16794311622 Ans X 1. गर्व **√** 2. हर्ष 🗙 3. मद 🗙 ४. दुख Q.20 'उसने कहा होगा।' वाक्य है: Question ID: 16794311617

> X 1 प्रश्नवाचक √ 2. संदेहवाचक

X 3. विस्मयवाचक

🗙 ४. इच्छावाचक

Section: Subject Related

Q.1 Which of the following sequences of three-address instructions can be used to evaluate $Y = (A - B)/(C + D \times E)$?

Ans

SUB Y. A. B

ADD T, T, C MPY T, D, E

DIV Y, Y, T

SUB Y. A. B

MPY T, D, E ADD T. T. C

DIV T, Y, T

SUB Y. A. B

★ 3. MPY T, D, E ADD T, T, C

DIV Y, T, T

SUB Y. A. B

✓ 4. MPY T, D, E ADD T. T. C

DIV Y. Y. T

Q.2 Which of the following refers to a memory access mechanism in which the time to access a given location is constant

and independent of the sequence of prior accesses?

X 1. Sequential access ✓ 2. Random access

X 3. Direct access

X 4. Associative

Q.3 With respect to size, which of the following represents the correct relationships between different categories of cache memory?

Ans \checkmark 1. L1 < L2 < L3

X 2. L3 < L2 < L1

X 3. L1 < L3 < L2

X 4. L2 < L1 < L3

Q.4 With respect to system bus, _____ are used to control the access to and the use of the data and address lines.

Ans

√ 1. Control lines

X 2. Address lines

X 3. Encoders

X 4. Decoders

file:///C:/Users/admin/Downloads/Qp.html

Question ID: 16794311641

Question ID: 16794311633

Question ID: 16794311627

Question ID: 16794311631

Q.5	State whether the following statements are true or false.	Question ID : 16794311638
	Statements: (i) For main memory, the unit of transfer is the number of bytes read out of or written into memory at a time. (ii) The unit of transfer need not equal a word or an addressable unit.	
Ans	✓ 1. (i) False, (ii) True	
	× 2. (i) True, (ii) True	
	X 3. (i) True, (ii) False	
	X 4. (i) False, (ii) False	
Q.6	The number of lines used in a data bus is referred to as the of the data bus.	
Ans	X 1. volatility	Question ID : 16794311624
	× 2. length	
	X 3. density	
	✓ 4. width	
Q.7	The number of addressable memory units for a 10-bit size address bus is:	Question ID : 16794311634
Ans	X 1. 256	Question 10 - 10794311034
	× 2. 1023	
	✓ 3. 1024	A •
	★ 4. 512	
Q.8	Which of the following is a communication pathway connecting two or more devices of a computer?	Question ID : 16794311623
Ans	✓ 1. Bus	
	× 2. Control Unit (CU)	
	X 3. Memory X 3. Memory	
	X 4. UPS	
Q.9	Opcodes are represented by abbreviations called:	Question ID : 16794311635
Ans	X 1. Binary codes	
	✓ 2. Mnemonics	
	X 3. Operators	
	★ 4. Lexemes	
Q.10	With respect to Peripheral Component Interconnect (PCI), the letter 'e' in PCIe stands for:	Out a first ID 46794944999
Ans	X 1. Excess	Question ID : 16794311626
	× 2. Extreme	
	3. Express	
	× 4. Element	
Q.11	Which of the following statements is correct? (i) A hard disk is also used to provide an extension to the main memory known as virtual memory.	Question ID : 16794311639
	 (ii) DRAM is faster than SRAM. (iii) External, nonvolatile memory is also referred to as 'secondary memory' or 'auxiliary memory'. 	
Ans	√ 1. Statements (i) and (iii) are correct	
	× 2. Statements (ii) and (iii) are correct	

X 3. Statements (i) and (ii) are correct

X 4. Statements (i), (ii) and (iii) are correct

Q.12 With respect to system buses, SCSI stands for:

Question ID: 16794311625

- Ans X 1. Solid Computer System Interface
 - X 2. Synchronous Computer System Interface
 - ✓ 3. Small Computer System Interface
 - X 4. Small Computer Side Interface

Q.13 State whether the following statements are true or false.

Question ID: 16794311637

Statements:

SCSI is itself a type of bus used to support local disk drives and other peripherals. A serial port could be used to support a printer or scanner.

- 1 (i) False, (ii) False
- × 2. (i) False, (ii) True
- ✓ 3. (i) True, (ii) True
- X 4 (i) True, (ii) False

Q.14 With respect to accessing speed, which of the following represents the correct relationships between different categories of cache memory?

Question ID: 16794311628

Question ID: 16794311640

Ans

- X 1. L1 < L2 < L3
- X 2. L2 < L1 < L3
- X 3. L1 < L3 < L2
- 4. L3 < L2 < L1

Q.15 Which of the following sequences of one-address instructions can be used to evaluate $Y = (A - B)/(C + D \times E)$?

Ans

- LOAD D
- MPYE
- ADD C
- X 1. LOAD A
- STORE Y
- SUB B
 - DIV Y
 - STORE Y
 - LOAD D
 - MPYE

 - ADD C



- SUB B
- DIV Y
- STORE Y

LOAD D MPYE ADD C X 3. STORE Y LOAD A DIV Y SUB B STORE Y LOAD D ADD C MPYE X 4. STORE Y LOAD A SUB B DIV Y STORE Y Q.16 With respect to cache organisation, direct mapping maps each block of main memory into _ Question ID: 16794311636 Ans X 1. Two ✓ 2. Only one X 3. Four X 4. Eight Q.17 Which of the following data transfer schemes requires constant monitoring by the CPU of the peripheral devices? Question ID: 16794311630 X 1. Both, Interrupt-driven IO and DMA 2. Programmed IO X 3. Direct Memory Access (DMA) X 4. Interrupt-driven IO Q.18 Which of the following determines the time it takes for devices to coordinate the use of the bus? Question ID: 16794311632 X 1. Clock delay Propagation delay X 3. Data transfer delay X 4. Cycle delay Q.19 State whether the following statements are true or false.

(i) With one address instructions, the programmer generally has available only one general-purpose register, the Question ID: 16794311642 Zero-address instructions are applicable to a special memory organization called a stack. Ans 1 (i) True, (ii) True × 2. (i) False, (ii) True X 3. (i) False, (ii) False X 4 (i) True, (ii) False Q.20 Question ID: 16794311629

Identify the valid cache organisation techniques: Direct (i) (ii) Associative Set-associative Ans 1. (i), (ii) and (iii) X 2. (i) and (ii) only X 3. (ii) and (iii) only X 4. (i) and (iii) only Section: Subject Related Q.1 Which of the following will be used for a system having multiple instances of a resource type? Question ID: 16794311650 1 Resource-allocation graph √ 2. Banker's algorithm X 3. Semaphores X 4. Wait-for graph Q.2 Identify the missing digits in the following expression so that the left hand side is equal to the right hand side. Question ID: 16794311662 $(1010?)_2 + (?7)_8 = (24)_{16}$ Ans 🗸 1. 1. 1 X 2. 1. 6 X 3. 0. 1 X 4. 1, 2 Q.3 If $(1101)_x = (241)_{16}$, then what is the value of x? Question ID: 16794311659 Ans 🗸 1. 8 X 2. 10 X 3. 4 X 4. 2 Q.4 Which of the following statements is FALSE? Question ID: 16794311648 A trap is a hardware-generated interrupt caused either by an error or a user request. **X** 2. A bootstrap program is loaded at power-up or reboot. X 3. An operating system is interrupt-driven. **X** 4. The program running at all times on a computer is the kernel. Q.5

Question ID: 16794311649

Match the following: List-1 List-2 Long-term scheduler A) Swapping II) Medium-term scheduler B) Job Scheduling III) Short-term scheduler C) CPU Scheduling Ans X 1. I-A, II-C, III-B X 2. I-C, II-A, III-B X 3. I-A, II-B, III-C √ 4. I-B, II-A, III-C Q.6 A process is a(n) entity, whereas a program is a(n) entity. Question ID: 16794311643 Ans V 1. Active, Passive X 2. Passive, Passive X 3. Active, Active X 4 Passive, Active Q.7 In , one thread immediately terminates the target thread. Question ID: 16794311645 Ans X 1. Deferred cancellation **X** 2. Both deferred and asynchronous cancellation ✓ 3. Asynchronous cancellation X 4. Synchronous cancellation Q.8 Suppose that a process is in 'BLOCKED' state waiting for some I/O service. When the service is completed, it goes to Question ID: 16794311646 Ans √ 1 ready X 2. running X 3. terminated X 4. suspended Q.9 Which of the following is the base-4 representation of the decimal number 213? Question ID: 16794311655 Ans 1. (3133)₄ × 2. (3113)₄ X 3. (1111)₄ 4. (3111)4 Q.10 Consider the following table and answer the given question: Question ID: 16794311652 Process CPU Arrival ID Burst Time P1 P2

Which of the following options represents the completion order of the three processes under the FCFS (first come, first served) and RR (round robin) policies (with CPU quantum of 2 time units)?

1 FCFS: P3, P2, P1 and RR: P3, P2, P1 2. FCFS: P1, P2, P3 and RR: P3, P1, P2 3. FCFS: P1, P3, P2 and RR: P1, P2, P3 4 FCFS: P1, P2, P3 and RR: P1, P2, P3 Q.11 Consider the following page reference string: Question ID: 16794311653 1, 2, 3, 2, 4, 1, 3, 2, 4, 1 Assume that there are three page frames which are initially empty. Let LRU, FIFO and OPTIMAL denote the number of page faults under the corresponding page replacement strategy. Then, which of the following expressions is true? Ans ✓ 1. OPTIMAL < FIFO < LRU
</p> 2. FIFO = OPTIMAL X 3. FIFO < OPTIMAL < LRU 4. LRU = FIFO = OPTIMAL Q.12 What is the 10's complement of the decimal number 20100? Question ID: 16794311657 X 1. 79800 X 2. 79899 3. 79900 X 4. 89999 Q.13 If $(12\underline{?}07)_8 = (1010110000111)_2$, then what is the missing digit in $(12\underline{?}07)_8$? Question ID: 16794311660 X 1. 4 Ans Q.14 Consider a system with ten units of resource R and three processes: X, Y, and Z. The maximum resource requirement and current allocation to these processes are as follows Question ID: 16794311654 Maximum Resource Requirement Current Allocation Now, consider the following resource is X makes a request for 2 resource units (ii) Y makes a request for 2 resource units (iii) Z makes a request for 2 resource units For the system to be in safe state, which of the following must be granted? Ans X Only request (i) must be granted 2 Only requests (i) and (ii) must be granted X 3. Only requests (i) and (ii) must be granted 4 Only request (iii) must be granted Q.15 A computer installation has 1000 KB of main memory. Jobs arrive and finish in the following sequence. Question ID: 16794311651 Job 1 requiring 200 KB arrives Job 2 requiring 350 KB arrives Job 3 requiring 300 KB arrives Job 1 finishes Job 4 requiring 120 KB arrives Job 5 requiring 150 KB arrives Job 6 requiring 70 KB arrives Between best-fit and first-fit, which one will perform better for this process sequence? Ans Cannot be determined 2. Both, first-fit and best-fit X 3. Best-fit

8/2/2018

Qp.html √ 4. First-fit Q.16 Which of the following is NOT a file manipulation system call in the Windows operating system? Question ID: 16794311644 √ 1. CloseFile() X 2. WriteFile() X 3. ReadFile() X 4. CreateFile() Q.17 If $(10011)_x = (631)_{10}$ then what is the value of x? Question ID: 16794311658 Ans X 1. 4 X 2. 8 X 3. 2 **4**. 5 Q.18 What is the 15's complement of the hexadecimal number (C00D0)₁₆? Question ID: 16794311656 Ans X 1. (3EE2E)₁₆ × 2. (2FF3F)₁₆ X 3. (2EE3E)₁₆ ✓ 4. (3FF2F)₁₆ Q.19 Considering 2's complement representation for negative numbers, what is the decimal equivalent of an 8-bit register Question ID: 16794311661 Ans X 1. +128 \times 2. -0**X** 3. +0 √ 4. - 128 Q.20 If there are 64 segments, each of size 2KB, then how many bits should a logical address have? Question ID: 16794311647 Ans X 1. 5 bits × 2. 11 bits 3. 17 bits 4. 6 bits

Q.1 Ans	The XOR gate gives as output when both inputs are different and when both input $1.1,0$	Question ID : 16794311664
	× 2. 0, 1	
	X 3. 1, 1	
	× 4. 0, 0	

8/2/2018

Qp.html X 1. Hash Table ✓ 2. Stack X 3. Queue X 4. Binary Tree Q.3 Which of the following properties ensures that an algorithm must always terminate after a finite number of steps? Question ID: 16794311677 X 1. Output X 2. Definiteness √ 3. Finiteness X 4. Effectiveness Q.4 State whether the following statements are true or false. Question ID: 16794311673 The JK flip-flop is a basic building block of combinational logic circuits. In a ripple counter, if the uncomplemented output counts up, then the complemented output counts down X 1 (i) True, (ii) True X 2. (i) True, (ii) False X 3. (i) False, (ii) False √ 4. (i) False, (ii) True Q.5 How will (0.10101)₂ be represented using normalised scientific notation? Question ID: 16794311678 Ans \checkmark 1. 0101 × 2⁻¹ \times 2. 10.101 \times 2⁻² \times 3. 0.10101 \times 20 \times 4. 0.010101 \times 2¹ Q.6 The following logic diagram is equivalent to Question ID: 16794311665 1. NOR 2. NAND √ 3. XNOR. X 4. XOR Which of the following statements are correct? ne 'Label' control of Visual Basic can also be used to display outputs. Question ID: 16794311682 (ii) The image in an 'Image Box' control is stretchable.
 (iii) The most common event associated with the 'Command Button' control in Visual Basic is the Click event. X 1. Statements (i) and (ii) are correct X 2. Statements (i) and (iii) are correct ✓ 3. Statements (i), (ii) and (iii) are correct

X 4. Statements (ii) and (iii) are correct

Q.8 What is the difference between the ASCII codes of 'A' and 'Z'? Question ID: 16794311676 X 1 27 Ans X 2. 26 **3**. 25 X 4. 24 Q.9 Which of the following is a NOT a correct identity in Boolean Algebra? Question ID: 16794311671 Ans \checkmark 1. A(A+B) = B \times 2. AB + AB' = A \times 3. A + AB = A \times 4. (A+B)(A+B') = AQ.10 Which of the following represents the Idempotent law in Boolean Algebra? Question ID: 16794311670 Ans X = 1. A + A' = 1 \times 2. (A')' = A X 3. A + 0 = A \checkmark 4. A + A = AQ.11 What is the output of the following logic diagram? In the given options, ⊕ represents XOR operation, Question ID: 16794311674 whereas ⊗ represents XNOR operation Ans X 1. AB X 2. A'B' X 3. A⊗B √ 4. A⊕B **Q.12** For A = 1, B = 0 and C = 1, what will be the value of Q in the following logic diagram? Question ID: 16794311672 × 2. Cannot be determined X 3. Both 0 and 1 4. 0 Q.13 Which of the following was the final version of Visual Basic before the release of Visual Basic.NET? Question ID: 16794311680 X 1. Visual Basic 7.0 Y 2. Visual Basic 4.0 X 3. Visual Basic 5.0 Visual Basic 6.0 Q.14 If n flip-flops are used in a ripple counter, then it will count from Question ID: 16794311668

	\times 1. 1, $2^{n}-1$	
	\times 2. 1, 2 ⁿ	
	\times 3. 0, 2 ⁿ	
	\checkmark 4. 0, $2^{n} - 1$	
0.45	5555 • 667 C	
Ans	Which of the following options is equivalent to the Boolean expression A'C+A'BC'+A'B'C'? 1. BC'	Question ID : 16794311663
	✓ 2. A'	
	X 3. A	
	X 4. AC	
Q.16	Which of the following is the 2's complement of the binary number (101100) ₂ ?	
Ans	X 1. (101111) ₂	Question ID : 16794311666
	× 2. (010011) ₂	
	× 3. (111100) ₂	
	✓ 4. (010100) ₂	
	35 CONT. (SANCESCO C. C.)	
Q.17 Ans	Which of the following Visual Basic controls is used to accept input from the user as well as to display the output? 1. Label	Question ID : 16794311681
	× 2. Option Button	
	✓ 3. Text Box	
	× 4. Combo Box	
0.40		
	Visual Basic was first released by Microsoft in the year	Question ID : 16794311679
Ans	1. 1991 × 2. 1995	
	X 3. 1994	
	X 4. 1992	
2.14		
Q.19 Ans	A ripple counter is a(n)counter where only the flip-flop is clocked by an external clock. 1. Synchronous, First	Question ID : 16794311667
	× 2. Asynchronous, Second	
	3. Asynchronous, First	
	X 4. Synchronous, Second	
	Which of the following is the simplified form of the Boolean expression (AB)'(A'+B)(B'+B)?	Question ID : 16794311669
Ans	X 1. B'	Q3555511D . 1515451100
	✓ 2. A'	
	X 3. A	
	X 4. B	

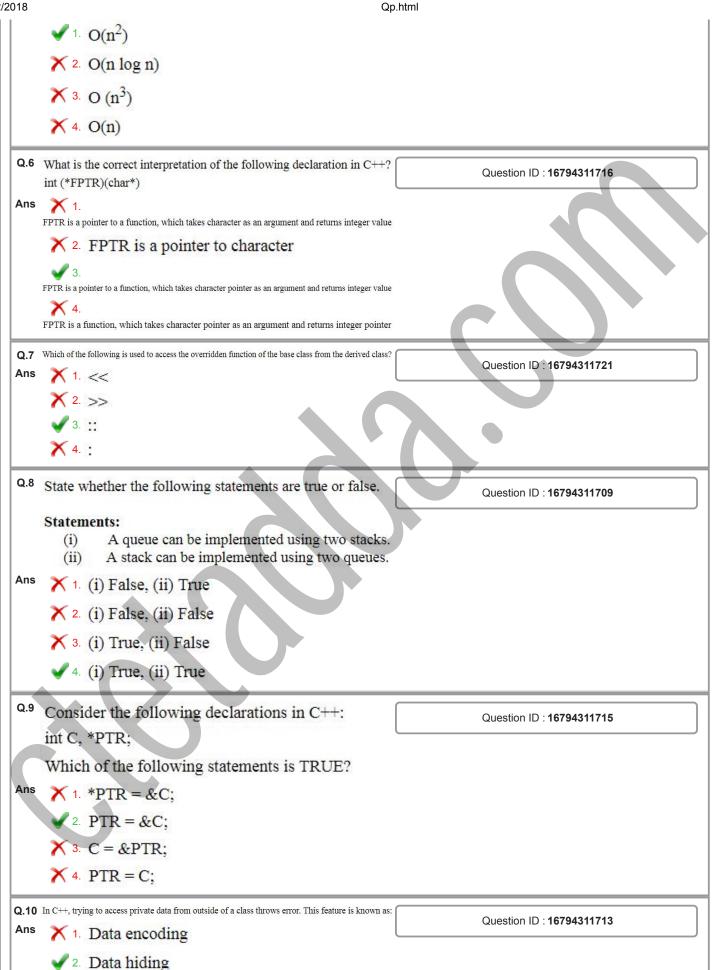
Secti	on : Subject Related	
Q.1	What will be the output of the following Visual Basic string handling function? Instr(1, "Visual Basic", "Basic")	Question ID : 16794311685
Ans	X 1. 12	
	X 2. 1	
	X 3. 4	
	✓ 4. 8	
	The degree of a tree is the degree of a node in the tree.	Question ID : 16794311696
Ans	✓ 1. maximum	
	× 2. second minimum	
	× 3. minimum	
	× 4. second maximum	
Q.3	Which of the following Visual Basic methods can be used to draw graphics on the forms? (i) Pset method	Question ID : 16794311691
	(ii) Line method (iii) Circle method	
Ans	X 1. Only (i) and (iii)	
	X 2. Only (i) and (ii)	
	√ 3. (i), (ii) and (iii)	
	X 4. Only (ii) and (iii)	
Q.4	Linked List is a data structure.	Question ID : 16794311693
Ans	X 1. Imaginary	
	× 2. Non-linear	
	× 3. Virtual	
	✓ 4. Linear	
Q.5	Which of the following statements is NOT true?	Question ID : 16794311697
Ans	X 1.	
	Deleting an element from array is expensive compared to deleting an element from a linked list.	
	2. Both, random access and direct access are allowed in a linked list.	
	3.	
	Inserting a new element in an array is expensive compared to inserting a new element in a linked list.	
	X 4.	
	The size of an array is generally fixed, whereas the size of a linked list is dynamic.	
Q.6	Which of the following is NOT a valid looping construct in Visual Basic?	Question ID : 16794311686
Q. 0		QUESTION D. 1070-101000
Ans	X 1. Do…loop	Q0000011D : 1010-101000
	X 1. Do…loop✓ 2. Repeat…Until	Question 15 : 10/04011000
	- AND	Question 15 : 10/04011000

0.7	THE COLUMN TWO COLUMN TO THE COLUMN TWO COLUMN	
Q.7	Which of the following data structures can be used to efficiently implement a priority queue?	Question ID : 16794311699
Alis	1. Circular Linked List	
	✓ 2. Heap Tree	
	X 3. Single Linked List	
	X 4. Array	
Q.8	What is the Hamming distance between 1101 and 110?	Question ID : 16794311701
Ans	X 1. 2	
	× 2. 0	
	X 3. 4	
	√ 4. 3	
Q.9	In a tree, a node of degree is called a terminal node or leaf node.	Question ID : 16794311694
Ans	X 1. 1	
	√ 2. 0	
	X 3. 2	
	★ 4. 3	
Q.10	Which of the following are basic controls in VB6 that you can use to draw graphics on your form? (i) Line control (ii) Shape control (iii) Image box (iv) Picture box	Question ID : 16794311690
Ans	(iv) Picture box 1. Only (i) and (ii)	
	DAY OF THE PARTY OF CONTROL OF	
	2. Only (iii) and (iv)	
	X 3. Only (i), (iii), and (iv)	
	✓ 4. (i), (ii), (iii), and (iv)	
Q.11	What is the output of the following Visual Basic expression?	Question ID : 16794311684
	Len("Visual Basic Tutorial")	
Ans	X 1. 19	
	X 2 3	
	× 3. 0	
	4. 21	
Q.12	Which of the following is a non-numeric data type in VB6?	Question ID : 16794311688
Ans		Question iD . 10/34311000
	× 2. Double	
	X 3. Long	
	53-53-54-76	
	✓ 4. Date	
Q.13		Question ID : 16794311698
Ans	1. Level-order	
	✓ 2. Inorder	

X 3. Preorder X 4. Postorder Q.14 What is the size of 'Currency' data type in VB6? Question ID: 16794311687 Ans X 1. 2 Bytes X 2. 4 Bytes X 3. 6 Bytes 4. 8 Bytes Q.15 Identify the non-linear data structures from among the following. Question ID: 16794311700 Linked List Stack (ii) (iii) Tree Ans X 1. (i), (ii) and (iii) X 2. Both (i) and (iii) √ 3. Only (iii) X 4. Both (i) and (ii) Q.16 The number of subtrees of a node is called the of the node. Question ID: 16794311695 Ans X 1 rank X 2. order X 3. size √ 4. degree Q.17 Which of the following suffixes is used for 'Double' data type in VB6? Question ID: 16794311689 **1**. # Ans X 2. & X 3. ! X 4. (a) Q.18 Convert the following arithmetic expression into Postfix form: Question ID: 16794311702 A-B-D*E/F+B*CAns ✓ 1. AB-DE*F / -BC*+ X 2. AB-DE* / F-BC*+ 3. AB-DE*F / -BC+* 4. AB-DE / F*-BC*+ Q.19 Which of the following symbols is used to represent Integer Division in Visual Basic? Question ID: 16794311683 √ 1. Backward slash (\) X 2. Percent (%) X 3. Forward slash (/)

X 4. Ampersand (&) Q.20 Visual Basic allows us to manage databases created with which of the following database programs? Question ID: 16794311692 (iii) MySQL Ans X 1. Only (ii) and (iii) √ 2. (i), (ii) and (iii) X 3. Only (i) X 4. Only (ii)

Section: Subject Related In case of protected inheritance in C++, which of the following correctly represents the accessibility of the data Question ID: 16794311719 Ans Private variables: Yes, Protected variables: No, Public variables: Yes Private variables: No, Protected variables: Yes, Public variables: Yes **X** 3. Private variables: No, Protected variables: No, Public variables: Yes Private variables: Yes, Protected variables: Yes, Public variables: Yes Q.2 Which of the following characters is a terminal that terminates a statement in C++? Question ID: 16794311711 Ans ✓ 1. Semicolon (;) X 2. Dollar (\$) X 3. Ampersand (&) X 4. Colon (:) Q.3 What is the pre-order traversal of the binary search tree corresponding to the following key values (in order)? 9, 8, 12, 22, 4, 10, 13 Question ID: 16794311707 X 1, 8, 9, 4, 12, 10, 22, 13 2 13, 22, 10, 12, 4, 8, 9 3. 9, 8, 4, 12, 10, 22, 13 **X** 4. 9, 8, 4, 12, 22, 10, 13 Q.4 What is the worst-case time complexity of the Heap sort? Question ID: 16794311703 Ans X 1. O(n) X 2. O(n²) √ 3. O(n log n) X 4. O (n³) What is the worst-case time complexity of the Bubble sort? Question ID: 16794311704 8/2/2018



X 3. Data abstraction X 4. Data mining Q.11 In case of public inheritance in C++, which of the following correctly represents the accessibility of the data variables Question ID: 16794311718 Ans Private variables: No, Protected variables: Yes, Public variables: Yes **X** 2. Private variables: No, Protected variables: No, Public variables: Yes Private variables: Yes, Protected variables: Yes, Public variables: Yes **X** 4. Private variables: Yes, Protected variables: No, Public variables: Yes Q.12 The programming language C++ was developed by: Question ID: 16794311710 Ans X 1. Alan Turing X 2. Blaise Pascal √ 3. Bjarne Stroustrup X 4. Dennis Ritchie Q.13 In case of private inheritance in C++, which of the following correctly represents the accessibility of the data variables Question ID: 16794311720 Ans Private variables: Yes, Protected variables: Yes, Public variables: Yes Private variables: Yes, Protected variables: No, Public variables: Yes Private variables: Yes, Protected variables: No, Public variables: No Private variables: No, Protected variables: No, Public variables: No Q.14 Which of the following is not a correct declaration statement in C++? Question ID: 16794311717 \times 1. int p, *ptr = 0; \times 2. int *ptr=0, p; \checkmark 3. int p; double *fp = &p; X 4. int *p, *q, r; Q.15 Which of the following is the insertion operator in C++, used to write formatted data into the stream? Question ID: 16794311712 Ans **X** 3. <> X 4. && Q.16 Which of the following options present the correct postorder and preorder traversals of the following binary tree? Question ID: 16794311708

Ans Postorder: A, C, E, D, B, H, I, G, F Preorder: F, B, A, D, C, E, G, I, H 2. Postorder: A, C, D, E, B, H, I, G, F Preorder: F, B, A, D, C, E, G, I, H 3. Postorder: A, C, E, D, B, H, I, G, F Preorder: F, B, A, D, C, E, I, G, H Y 4. Postorder: A, C, E, D, B, H, I, G, F Preorder: F, B, A, D, E, C, G, I, H Q.17 Considering A as a one-dimensional array, which of the following C++ statements will print the third element of A? Question ID: 16794311714 \times 1. cout \gg A[2]; √ 2. cout << 2[A];
</p> X 3. cout << 3[A]; X 4. cout << A[3]; Q.18 In C++, if a function f is defined as a friend function, then which of the following category of data members can be accessed using the function f? Question ID: 16794311722 Ans 1 Only Protected X 2. Only Private X 3. Only Public Public, Private and Protected Q.19 Considering the height of a binary tree as the number of edges between the tree's root and its furthest leaf, what is the height of the binary search tree created using the following key values (in order)? Question ID: 16794311706 19, 14, 18, 15, 16, 13, 12 Ans X 1. 5 X 2. 3 X 4. 6 Q.20 A queue is a _____ data structure in which elements can be inserted only at one end called _ the other end called _ . Question ID: 16794311705 Ans X 1 Linear, Front, Rear 2. Linear, Rear, Front X 3. Non-linear, Front, Rear Non-linear, Rear, Front

4. Non-linear, Rear, Section: Subject Related

Q.1 If a relation schema is in 2NF, then it is definitely in:

Ans
1. 1NF

Question ID: 16794311729

-1115 🕶 |

X 2. BCNF

X 3. 3NF

X 4. 4NF

Q.2 If AB and C are the candidate keys in a relation schema R(A,B,C,D), then what are the prime attributes? Question ID: 16794311738 X 1. A and B only X 2. B and C only ✓ 3. A, B, and C only X 4. A and C only Q.3 Identify the correct statements. Derived classes do not inherit or overload constructors or destructors from their base classes. Question ID: 16794311728 Destructors can be declared with the keyword virtual. Constructors can be declared with the keyword virtual Ans X 1. (i) and (iii) only X 2. (i), (ii) and (iii) √ 3. (i) and (ii) only X 4. (ii) and (iii) only Q.4 Consider the following C++ code segment: Question ID: 16794311724 int a = 10, b = 20; int p = a, q = b;With respect to the code segment mentioned above, which of the following statement is correct? Ans N 1 Both a and b will contain 20 2. Both a and b will contain 10 X 3. Both p and q will point to a ✓ 4. Both p and q will point to b Q.5 Which of the following keyword is used in Oracle SQL to sort the result-set in ascending or descending order? Question ID: 16794311740 Ans 1. ARRANGE 2. SORT 3. ORDER BY X 4. MANGE Q.6 Match the following: Question ID: 16794311734 I) Relational Algebra P) Non-Procedural Query Language II) Relational Calculus Q) Procedural Query Language III) Generalization R) Top-Down Approach IV) Specialization S) Bottom-Up Approach X 1. I-Q, II-P, III-R, IV-S √ 2. I-Q, II-P, III-S, IV-R X 3. I-P, II-Q, III-S, IV-R ★ 4. I-P, II-Q, III-R, IV-S Q.7 Consider the following set of functional dependencies defined over the relation schema R(A, B, C, D, E, F, G, H). $F = \{AB \rightarrow C, C \rightarrow A, B \rightarrow CFH, E \rightarrow A, F \rightarrow EG\}$ Question ID: 16794311739 How many candidate keys does the relation R have?



X 4. 3

Q.8 Match the following:

List-1 List-2

I) DELETE P) Data definition language
II) DROP Q) Data manipulation language
III) SAVEPOINT R) Data control language

IV) GRANT S) Transaction control language

Ans X 1. I-Q, II-P, III-R, IV-S

√ 2. I-Q, II-P, III-S, IV-R

X 3. I-P, II-Q, III-S, IV-R

X 4. I-P, II-Q, III-R, IV-S

Q.9 Which of the following is TRUE?

Ans X 1. Every candidate key is a primary key

X 2. Primary key is not a candidate key

3.

A relation (table) may have more than one foreign keys

X 4.

Candidate key is maximal set of attributes whose values are unique

Q.10 Which option gives the correct interpretation of the following declaration in C++? int(*p[5])();

Question ID: 16794311726

Question ID: 16794311727

Question ID: 16794311730

Question ID: 16794311732

Question ID: 16794311735

Ans X 1.

p is a pointer to such function which return type is array

× 2. p is a pointer to an array of functions

√ 3. p is an array of pointers to function

X 4 p is a pointer to function

Q.11 State whether True or False?

(i) Pointer arithmetic can't be done on a void pointer.

(ii) A void pointer cannot point to a class member in C++.

Ans 1. (i) - True, (ii) - True

× 2. (i) - False, (ii) - False

X 3. (i) - True, (ii) - False

★ 4. (i) – False, (ii) – True

Q.12 Which of the following is not a valid category of database management system?

Ans 🗸 1. Sequential

X 2. Object-Oriented

X 3. Relational

X 4. Hierarchical

function is a member function in base class that you expect to redefine in derived classes. Question ID: 16794311723 X 1. Private X 2. Friend X 3. Protected 4. Virtual Q.14 If X₁,X₂,X₃,...,X_N are the domains in a relational database model, then the relation (table) is a subset of which of the following? Question ID: 16794311736 Ans $X_1 \cup X_2 \cup X_3 \cup ... \cup X_N$ \times 2. $X_1 + X_2 + X_3 + \cdots + X_N$ $X_1 \cap X_2 \cap X_3 \cap ... \cap X_N$ \checkmark 4. $X_1 \times X_2 \times X_3 \times ... \times X_N$ Q.15 Identify the SQL wildcard character in Oracle which represents zero, one, or multiple characters? Question ID: 16794311741 X 1. Question mark (?) √ 2. Percent (%) X 3. Underscore () X 4. Asterisk (*) Q.16 Match the Armstrong's Axioms: Question ID: 16794311737 List-2 I) Decomposition rule P) If $\alpha \rightarrow \beta \gamma$, Then $\alpha \to \beta$ and $\alpha \to y$. Q) If $\alpha \to \beta$, and $\gamma \beta \to \delta$, II) Union rule Then $\alpha \gamma \rightarrow \delta$. R) If $\alpha \to \beta$ and $\alpha \to \gamma$, III) Pseudotransitivity rule Then $\alpha \rightarrow \beta \gamma$. IV) Augmentation rule S) If $\alpha \rightarrow \beta$. Then $\gamma \alpha \rightarrow \gamma \beta$. Ans X 1. I-Q, II-P, III-S, IV-R 2. I-P, II-R, III-Q, IV-S **₹ 3. I-Q, II-P, III-R, IV-S ★** 4. I-P, II-Q, III-R, IV-S Q.17 Question ID: 16794311725

```
What will be the output of the following C++ program?
    #include <iostream>
    using namespace std;
     int main(){
     char array[10];
    for(int i = 0; i < 5; i++)
     *(array + i) = 65 + i;
     *(array + i) = '\0';
    cout << array;
    return(0);
Ans X 1. ABCDE\0

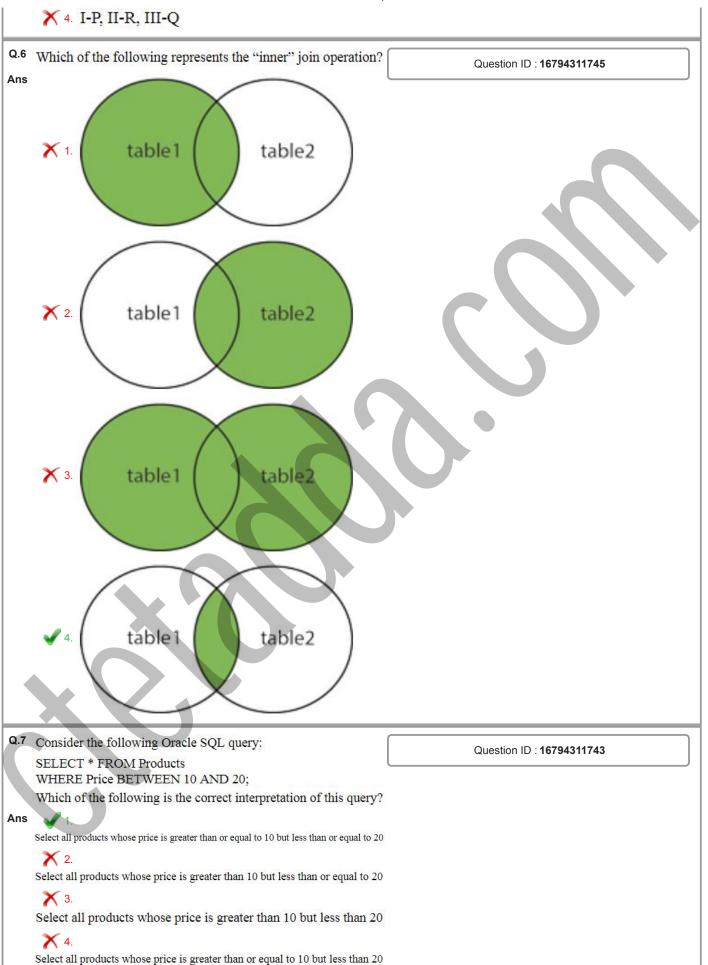
√ 2. ABCDE

     X 3. CDEFG
     X 4. BCDEF
Q.18 Which of the following is FALSE?
                                                                      Question ID: 16794311733
Ans X 1. Secondary key is also a candidate key
    Super key satisfies the "minimality" condition
     X 3.
    A relation (table) may have multiple secondary keys
     X 4. The value of primary key can't be null
Q.19 Which of the following is also known as read-write conflict?
                                                                      Question ID: 16794311731

✓ 1. Unrepeatable read

     X 2. Lost update problem
     X 3. Dirty read
     X 4. Uncommitted dependency
Q.20 Which of the following Oracle SQL statements can be used to select the name of customers who have no address?
                                                                      Question ID: 16794311742
Ans
           SELECT Name
        1. FROM Customers
           WHERE Address IS NULL;
           SELECT Name
     2. FROM Customers
           WHERE No Address;
           SELECT Name
     X 3. FROM Customers
           WHERE Address IS EMPTY:
           SELECT Name
     X 4. FROM Customers
           WHERE Address = NULL;
```

Section: Subject Related Q.1 The SQL ALTER TABLE statement is used to: Question ID: 16794311747 Ans X 1. Delete existing records in a table. 2. Insert or modify records in a table. 3. Drop an existing table in a database. Add, delete, or modify columns in an existing table. Q.2 Which of the following category of join returns all records when there is a match in either left or right table? Question ID: 16794311746 X 1 Right outer join X 2. Left outer join X 3. Inner join ✓ 4 Full outer join Q.3 Which of the following Oracle SQL statements is not correct? Question ID: 16794311744 Ans 🎻 1. SELECT * FROM Customers ORDER BY Country ASC, DESC CustomerName; **X** 2. SELECT * FROM Customers ORDER BY Country ASC, CustomerName DESC: X 3. SELECT * FROM Customers ORDER BY Country; SELECT * FROM Customers ORDER BY Country DESC; Q.4 Which of the following data mining algorithms is used for association rule mining? Question ID: 16794311755 Ans X 1 k-means 2. Decision tree X 3. Naïve Bayes 4. Apriori Q.5 Match the following with respect to ER diagram: Question ID: 16794311752 List-1 List-2 P) Attributes I) Boxes II) Ovals Q) Relationships R) Entities III) Diamonds Ans 1. I-R, II-P, III-Q × 2. I-Q, II-P, III-R X 3. I-R, II-Q, III-P



Q.8 Which of the following HTML element is used to define table data/cell? Question ID: 16794311758 √ 1. <t X 2. X 3. > X 4. Q.9 How many attributes in the following ER diagram are both multi-valued as well as composite? Question ID: 16794311753 Fname Minit Lname Project Hours Sex (Works_on) Ssn Salary Department Supervisor **EMPLOYEE** Birth_date Address Ans X 1. 3 X 2. 4 X 3. 2 4. 1 Q.10 With respect to data warehouse, OLAP stands for: Question ID: 16794311750 Ans X 1. Offline Analytical Processing ✓ 2. Online Analytical Processing X 3. Overlapping Analytical Processing X 4. Online Augmented Processing Q.11 Which of the following is used for single-line comment in SQL? Question ID: 16794311748 Ans X 1. ## × 2. /* ...*/ **3**. --X 4. && Q.12 Which of the following category of CSS is defined in the <nead> section of an HTML page, within a <style> element? Question ID: 16794311760 Ans X External CSS 2. Inline CSS 3. Both Internal and External CSS Internal CSS Q.13 State whether True or False? In a database, low cardinality means more unique values are stored in a column and vice-versa.

If a standalone column of a table is connected to the primary key of the same table, then it is called a Question ID: 16794311754 Ans X 1. (i) - False, (ii) - False √ 2. (i) – False, (ii) – True X 3. (i) - True, (ii) - False ★ 4. (i) – True, (ii) – True Q.14

	In DHTML, the letter 'D' stands for:	Question ID : 16794311757
Ans	X 1. Distributed	
	× 2. Daily	
	X 3. Different	
	✓ 4. Dynamic	
	5-9-3 • W 909015674 3	
Q.15 Ans	Which of the following command is used with SQL SELECT statement in Oracle to return only distinct (different) values?	Question ID : 16794311749
Alls	1. UNIQUE	
	2. DIFFERENT	
	✓ 3. DISTINCT	
	X 4. SINGLE	
	With respect to data warehouse, which of the following is not a valid type of OLAP technology?	Question ID : 16794311751
Ans	X 1. ROLAP	
	2. HOLAP	
	✓ 3. POLAP	
	X 4. MOLAP	
Q.17	HTML links are defined with thetag.	Question ID : 16794311756
Ans	X 1. <link/>	
	X 2. >	
	✓ 3. <a>>	
	× 4. <h1></h1>	
Q.18	What will be the output of the following segment of the HTML codes?	Question ID : 16794311762
	 Coffee 	Quodicin IS : 1810 IST/192
	Tea	
	Milk	
Ans	1. Coffee	
	X 1 2. Milk	
	3. Tea	
	Coffee 2. Tea	
	Milk	
	1. Coffee	
	3. 2. Tea	
	3. Milk	
	1. Milk	
	X 4. 2. Tea 3. Coffee	
	5. Conee	
Q.19	Which of the following statement about HTML attributes is false?	Question ID : 16794311761
Ans	√ 1.	

Attributes are always specified in the end tag

X 2.

Attributes provide additional information about an element

X 3. HTML element can have attributes

X 4.

Attributes usually come in name/value pairs like: name = "value"

Q.20 Which of the following can be used to display black color in HTML?

Ans

X 1. RGB(255, 0, 0)

X 2. RGB(0, 0, 0)

X 3. RGB(0, 255, 0)

X 4. RGB(255, 255, 255)

Section : Subject Related	
Q.1 In HTML, a color can be specified in the form of hsl(hue, saturation, lightness), where hue is a degree on the color wheel from 0 to 360. What are the hue values representing red, green, and blue?	Question ID : 16794311765
Ans X 1. 0: Red, 130: Green, 260: Blue	Gastall D. 1816 181116
X 2. 100: Red, 200: Green, 300: Blue	
✓ 3. 0: Red, 120: Green, 240: Blue ✓ 3. 0: Red, 120: Green, 240: Blue	
X 4. 120: Red, 240: Green, 360: Blue	
Q.2 In VB Script, the <script> tag includes an attribute specifying that the of our script is VB Script.</th><th>Quantina ID 146704244766</th></tr><tr><th>Ans X 1. Message Box</th><th>Question ID : 16794311766</th></tr><tr><th>✓ 2. Language</th><th></th></tr><tr><th>X 3. Body Tag</th><th></th></tr><tr><th>X 4. Browser</th><th></th></tr><tr><th>The Blowsei</th><th></th></tr><tr><th>Q.3 The MPEG standard is primarily a specification?</th><th>Question ID : 16794311777</th></tr><tr><th>Ans X1 Unicodestream</th><th></th></tr><tr><th>× 2. Wordstream</th><th></th></tr><tr><th>X 3. Bytestream</th><th></th></tr><tr><td>4. Bitstream</td><td></td></tr><tr><th></th><th></th></tr><tr><th>Q.4 With respect to image types, JPEG stands for</th><th>Question ID : 16794311774</th></tr><tr><th>Ans Joint Photographic Experts Group</th><th></th></tr><tr><th>× 2. Join Photographic Experts Group</th><th></th></tr><tr><th>X 3. Joint Photographic Experts Gathering</th><th></th></tr><tr><td></td><td></td></tr><tr><th>X 4 Joint Photonic Experts Group</th><th></th></tr><tr><th>Q.5 Which of the following category of style sheet can be used to change the look of an entire website, by changing one file (CSS)?</th><th>Question ID : 16794311764</th></tr><tr><th></th><th></th></tr></tbody></table></script>	

_010	ω ρ	
Ans	X 1. Inline CSS	
	× 2. Internal CSS	
	★ 3. Both Inline and Internal CSS	
	✓ 4. External CSS	
Q.6	In VB script, is used to force all variables to be declared before they are used.	
Ans	X 1. Option Implicit	Question ID : 16794311767
	× 2. Script Tag	
	× 3. Variant	
	✓ 4. Option Explicit	
	4. Option Expireit	
Q.7	Which of the following image type uses lossy compression?	Question ID : 16794311781
Ans	✓ 1. JPG	
	× 2. GIF	
	X 3. TIF	
	X 4. PNG	
Q.8	Identify the incorrect statement.	Question ID : 16794311763
Ans	X 1.	Question ID . 16/94311/63
	DHTML is the art of combining HTML, JavaScript, DOM, and CSS	
	X 2.	
	JavaScript is the scripting standard for HTML	
	✓ 3. DHTML is a programming language	
	X 4.	
	DHTML is a term used to describe the technologies used to make web pages dynamic and interactive	
Q.9	Which of the following image type has an extension as .dib?	Question ID : 16794311775
Ans	✓ 1. Bitmap Image	
	× 2. Windows Metafile	
	X 3. RLE Image	
	✗⁴ Enhanced Window Metafile	
Q.10	Images known as "high color images" consist of color depths.	
Ans	✓ 1. 16 bits per pixel	Question ID : 16794311782
	× 2. 1 bit per pixel	
	3. 4 bits per pixel	
	× 4. 8 bits per pixel	
Q.11	Which window method generates a dialog box that displays whatever text you pass as a parameter in JavaScript?	Question ID : 16794311772
Ans	X 1. Display()	Question id . 10/34511/12
	× 2. Perform()	

010	ω ρ	
	✓ 3. Alert()	
	X 4. Show()	
Q.12	Which object holds the real content of the page in JavaScript?	Question ID : 16794311773
Ans	X ¹. Location	
	✓ 2. Document	
	× 3. Alert	
	X 4. Window	
	In MPEG layered bitstream structure, macroblock layer consists of pixels.	Question ID : 16794311778
Ans	X 1. 32 × 32	
	× 2. 4 × 4	
	X 3. 8 × 8	
	✓ 4. 16 × 16	
	Images with colors depths of eight bits have 256 colors and it is known as	Question ID : 16794311779
Ans	1. High color Images	
	× 2. True color images	
	✓ 3. Palette images	
	X 4. Monochrome images	
	In JavaScript, the is the master container for all content you view in the web browser.	Question ID : 16794311771
Ans	★ 1. Document Object	
	× 2. Location Object	
	✓ 3. Window Object	
	X 4. Screen Object ✓ 4. Screen Object	
Q.16	Which of the following is not a variant subtypes supported by VB Script?	Question ID : 16794311768
Ans	X 1. Empty	Question 15 : 10/345 11/30
	× 2. Error	
	X 3. Currency	
	4. Except	
Q.17	Any time you include JavaScript verbiage in HTML document, you must enclose those lines inside atag pair.	
Ans	1. <div> and <\Div></div>	Question ID : 16794311770
	× 2. <body> and <\Body></body>	
	✓ 3. <script> and </script>	
	X 4. <html> and </html>	
Q.18	In VB Script, variables declared at script level cannot be declared using?	Outsting ID . 42724244722
Ans	X ¹ Public	Question ID : 16794311769
	× 2. Private	

Qp.html ✓ 3. Protected. X 4. Dim Q.19 MIDI stands for _____? Question ID: 16794311776 Ans 1 Musical Instrument Digital Interface X 2. Musical Instrumental Digit Interconnection **X** 3. Musical Instrument Digital Intra-connection **X** 4. Musical Instrumental Digital Interconnection Q.20 Which of the following color depth is not supported in .bmp image? Question ID: 16794311780 Ans X 1. 24 bit ✓ 2. 128 bit X 3. 8 bit X 4. 16 bit

Section: Subject Related Q.1 How many maximum links can be created in a mesh topology network of n computers? Question ID: 16794311787 Ans X 2. n-1 X 3. n(n-1) X 4. n Q.2 Twisted-pair cables transmit signals in the form of: Question ID: 16794311789 Ans X 1. Infrared light 2 Light X 3. Radio waves 4. Electric current Q.3 Which of the following is not a LAN technology? Question ID: 16794311794 Ans X 1. Ethernet X 2. Token Ring X 3. Fiber Distributed Data Interface 4. Frame Relay

I.

Q.4 State whether True or False?

The default subnet mask for Class-C IP address is 255.255.255.x.

Very first four bits of the first octet in Class-D IP addresses are set to 1100.

Question ID: 16794311799

X 1. I-False, II-False ✓ 2. I-True, II-False X 3. I-True, II-True X 4. I-False, II-True Q.5 A web browser is an example of _____. Question ID: 16794311788 Ans X 1. Protocol X 2. Cookies √ 3. Client. X 4. Server Q.6 State whether True or False. Question ID: 16794311801 I. Lifetime attribute is used to specify the lifetime of a cookie in a browser. II. Cookies are made secure using the Boolean attribute. Ans X 1. I-False, II-False X 2. I-True, II-True 3. I-False, II-True X 4. I-True, II-False Q.7 Which of the following protocol is used to convert the IP address to MAC address? Question ID: 16794311785 X 1. Dynamic Host Routing Protocol ✓ 2. Address Resolution Protocol X 3. Border Gateway protocol X 4. Reverse Address Resolution Protocol Q.8 Which of the following statement is FALSE? Question ID: 16794311797 X 1. A source address is always unicast A destination address can be unicast, multicast, or broadcast The multicast address is the special case of the broadcast address in which all the bits are 1 The least significant bit(s) of the first byte determines the class of the address Q.9 Suppose a 100 km long cable has a speed of 1.536 Mbps. The signal speed in cable is 2/3 speed of the light. What will be the number of bits in the cable? Question ID: 16794311792 X 1. 400 X 2. 500 3. 307 4. 768 Q.10 Suppose a bit-stuffing based framing protocol uses an 8-bit delimiter pattern of 01111110. What will be the input bit-string corresponding to the output bit-string 01111100101? Question ID: 16794311791 Ans 1 01111111010

	~r	
	√ 2. 0111110101	
	× 3. 0111110100	
	× 4. 0111111101	
Q.11	Which of the following is used to alarm about the collision detection in a network using the CSMA/CD?	Question ID : 16794311793
Ans	✓ 1. Jamming signal	Question D . 10/34311/33
	× 2. Interframe space	
	× 3. Frame	
	★ 4. Backoff value	
Q.12	Which of the following switching technique was used in ARPANET?	Question ID : 16794311783
Ans	★ 1. Message Switching	
	✓ 2. Packet Switching	
	X 3. Circuit Switching → 3. Circuit Switching	
	X 4. Data switching	
Q.13	Suppose a CSMA/CD local Area Network of 1 Gbps is there over a 1 km cable. If the signal speed in the cable is 2×10^5 km/sec, what will be the minimum frame size?	Question ID : 16794311802
Ans	★ 1. 4000	
	× 2. 100000	
	★ 3. 5000	
	✓ 4. 10000	
Q.14	The class-C IPv4 address must start with	Question ID : 16794311796
Ans	X 1. 101	
	× 2. 10	
	X 3. 011	
	4. 110	
Q.15	Number of signals elements transmitted per second is called	Question ID : 16794311786
Ans	X1. Byte rate	
	× 2. Bit rate	
	3. Baud rate	
	X 4. Data rate	
Q.16	When a signal travels through a media, loss in its energy is called:	Question ID : 16794311784
Ans	X1. Distortion	
	× 2. Noise	
	✓ 3. Attenuation	
	X 4. Latency	
Q.17	The IP address range to is reserved for loopback.	Question ID : 16794311800
Ans	√ 1. 127.0.0.0, 127.255.255.255	GUOGOTTO : TOTOTOTIOU

8/2/2018

Qp.html × 2. 127.0.0.0, 127.255.0.0 X 3. 127.10.10.0, 127.255.255.255 X 4. 127.10.10.10, 127.255.255.255 Q.18 What is the value of Start Frame Delimiter in Ethernet frame? Question ID: 16794311795 Ans √ 1. 10101011 X 2. 01101011 X 3. 10101010 X 4. 10101111 Q.19 State whether True or False? Question ID: 16794311798 I. Radio waves can penetrate the walls and used for multicast communication. II. Infrared signals are used for short range communication. Ans X 1. I-False, II-False X 2. I-False, II-True ✓ 3. I-True, II-True X 4. I-True, II-False Q.20 Which of the following connector is used by Unshielded Twisted Pair (UTP)? Question ID: 16794311790 X 1. RS45 ✓ 2. RJ45 X 3. RJ55 X 4. RS55

Q.1 Which one of the following is NOT an Operating System? Ans 1. LINUX	Question ID : 16794311815
× 2. IOS × 3. MS-DOS	
4. LDAP 2.2 महिलाओं ने ट्यक्तिगत मोर्चे पर अपनी प्रगति की तुलना में आर्थिक रूप से बेहतर प्रगति की है।	Question ID : 16794311804
यह निम्नलिखित में से किसका एक ठेठ उदाहरण है?	
🔀 4 सांस्कृतिक संक्रमण	
Q.3 Subjects are generally limited to:	Question ID : 16794311808

Ans X 1 Universities 2. Professional courses 3. Schools Y 4. Vocational courses Q.4 'Imbecile' is/was the term that was used for people with mental disabilities in: Question ID: 16794311821 X 1. 18th century ✓ 2. late 18th century X 3. till today X 4. 17th century Q.5 According to Kohlberg's Moral Development Theory, ethical principles are internalised and judgments are made in the age group of: Question ID: 16794311803 Ans 1. 13 and above X 2. 4 to 10 years X 3. 1 to 4 years X 4. 10 to 13 years Q.6 पर्यावरण शिक्षा के बारे में निम्नलिखित में से कौन सा कथन सत्य है? Question ID: 16794311817 Ans X 1. इसमें वयस्कों के लिए जागरूकता कार्यक्रम शामिल होता है X 2. छात्र स्वेच्छा से इन गतिविधियों में भाग लेते हैं **X** 3. यह गतिविधियों के माध्यम से स्कूल में अध्ययन किया जाता है यह चल रहा है और अक्सर समकालीन मुद्दों से संबंधित होता है Q.7 किसी घटना का महत्व घटना के समय के संदर्भ में निहित है और सामग्री का आयोजन और अध्ययन किया जाता है। Question ID: 16794311805 निम्नलिखित में से कौन सा दृष्टिकोण इनमें से एक है? Ans सर्पिल दृष्टिकोण (स्पाइरल एप्रोच) कालान्क्रमिक दृष्टिकोण (क्रोनोलॉजिकल एप्रोच) 🔀 3. सहसंबंध दृष्टिकोण (करीलेशन एप्रोच) 🗡 4 एकीकृत दृष्टिकोण (इंटीग्रेटेड एप्रोच) Q.8 Which of the following aspects can be developed by integrating visual arts in education? Question ID: 16794311814 Physical development
 Physical deve X 2. Aesthetics X 3. Colour identification

4. Spatial abilities Q.9 स्कूल में लड़कों और लड़कियों के बीच संबंध और बातचीत को क्या कहा जाता है? Question ID: 16794311809 X 1 तैंगिक रूढिबद्धता X 2. त्रैंगिक पक्षपात √ 3. लिंग गतिशीलता X 4 लिंग संवेदनशीलता Q.10 निम्नलिखित में से कौन सी विधि विज्ञान पढ़ाने के लिए सबसे उपयुक्त हैं? Question ID: 16794311810 Ans X 1. रोल प्ले X 2. गतिविधियां/कियाएँ **√** 3. अन्मान 🗡 4. विचार-विमर्श Q.11 अलग-अलग सीखने की गतिविधियों को डिज़ाइन करना निम्नलिखित दृष्टिकोणों में से किसका एक महत्वपूर्ण पहलू है? Question ID: 16794311806 Ans √ 1. बाल केंद्रित इष्टिकोण 🗶 २. अन्भवी शिक्षण दृष्टिकोण X 3. विषय-आधारित दृष्टिकोण 🗡 4 गतिविधि-आधारित दृष्टिकोण Q.12 Proper application of content knowledge is evident when the teacher: Question ID: 16794311811 X 1 explains the topic clearly transforms the subject matter in such a way that it reaches the students X 3. gives adequate notes X 4. gives lot of home assignment Q.13 स्थानीय साहित्य पढ़ना किसी सामाजिक विज्ञान शिक्षक को किसमें मदद करता है? Question ID: 16794311812 Ans X 1 सहकर्मियों के साथ चर्चा करने में 🗡 2 इलाके में रुचि विकसित करने में √ 3. कक्षा शिक्षण में विषय को संदर्भित करने में 🗡 4 स्थानीय महत्व को समझने में Q.14 Which one of the following is NOT an attribute measurement in assessment? Question ID: 16794311818 X 1. Achievement X 2. Aptitude Attitude X 4. IQ

	सीखने पर शिक्षार्थियों की रूझान किसके लिए ध्यान में रखा जा सकता है??	Question ID : 16794311820
Ans	🗡 1 शिक्षक भर्ती	
	X 2. माता-पिता को बताकर	
	🗸 ः स्कूल में सिस्टम की स्थापना	
	🔀 4. शिक्षक मूल्यांकन	
	Which one of the following operations CANNOT be done on a database?	Question ID : 16794311816
Ans	X 1. Sorting	
	× 2. Ordering	
	✓ 3. Iteration	
	X 4. Grouping ✓ 4. Grouping	
Q.17	Integrating music in lessons enhances:	Question ID : 16794311813
Ans	★ 1 physical development	
	★ 2. scientific skills	
	✓ 3. mathematical abilities	
	★ 4. personal skills	
	One of the benefits of using technology in instruction is that it helps the teacher:	Question ID : 16794311807
Ans	1. complete the lesson fast	
	✓ 2. communicate effectively	
	★ 3. give better instruction	
	★ 4. take break from teaching	
Q.19	Frequent use of gestures and delayed speech may indicate issues related to	Question ID : 16794311822
Ans	★ 1. comprehension	Question 15 : 10134011022
	✓ 2. hearing	
	× 3. vision	
	× 4. attention	
Q.20	Statistical results are:	Question ID : 16794311819
Ans	1. always correct	
	× 2. always misleading	
	√ 3. true on average	
	× 4 difficult to assess	