

QUESTION PAPER

SECTION – ANALYTICAL ABILITY

A. DATA SUFFICIENCY: (1 TO 20)

NOTE: In questions numbered 1 to 20, a question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements are sufficient to answer the questions. Using the data make an appropriate choice from (1) to (4) as per the following guidelines:

a)Mark choice (1) if the statement I alone is sufficient to answer the question.

b)Mark choice (2) if the statement II alone is sufficient to answer the question.

c)Mark choice (3) if both the statements I and II together are sufficient to answer the question but neither statement alone is sufficient.

d)Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

1.Consider the question and two statements given below in respect of three cities P, and R in a state.

Question: How far is City P from City Q?

Statement-I city Q is 18 km from city R

Statement-II city P is 43 km from city R.

Which one of the following is correct in respect of the question and the statements?

- A. Statement-I alone is sufficient to answer the question.
- B. Statement-II alone is sufficient to answer the question
- C. Both statement-I and statement-II suffienct to answer the question
- D. both statement-I and statement-II are not sufficient to the answer the answer

2. Six persons A, B,C, D, E, and P are sitting equidistant from each other around a circular table (facing the centre of the table).

Question: who is sitting on the immediate left of A?

Statement-I B is sitting opposite to C and D is sitting opposite to E.

Statement-II F is sitting on the immediate left of B

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question

3. Question: what is the age of Manisha?

Statement-I Manisha is 24 years younger than her mother.

Statement-II 5 years later, the age of Manisha and her mother will be in the ratio 3:5

- A. A.statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question

4. Six lectures A, B, C,D, E, and F, each of one hour duration, are scheduled between 8:00 am and 2:00pm.

Question: which lecture is in the third period?

Statement-I lecture F is preceded by A and followed by C

Statement-II there is no lecture after lecture B

- A. statement I alone is sufficient to answer the question
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question

5.Question: Is X an integer?

Statement-I X/3 is not an integer.

Statement-II 3x is an integer.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question
- 6. Question: what day is the fourteenth of the given month?

Statement-I The last day of the month is a Wednesday.

Statement-II: The third Saturday of the month was the seventeenth day.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. Neigther statement-I alone nor statement-II alone is sufficient to required to answer the question

7. who is the heaviest among A, B, C, D, and E?

Statement-I: each of A and D is heavier than each of B, E and F, but none of them is the heaviest.

Statement-II: A is the heavier than D, but is lighter than C.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. Neither statement-I alone nor statement-II alone is sufficient to required to answer the question

8. "Question: what is the Seema's rank from the top in the class of 40 students?

Statement-I: priya is 4 ranks below Seema and in 31st from the bottom.

Statement-II: Ena is 2 ranks above Seema and is 37th from the bottom.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both statement-I and statement-II are required to answer the question

9. Question: what are the two numbers?

Statement-I: Their product in 21.

Statement-II: Their sum is 10.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question

10."Question: If N is a unique natural number between 10 and 20, then what is N? Statement-I: N is a prime number.

Statement-II: N leaves a reminder of 1 when dividend by 4.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. both the statements I and II together are not sufficient to answer the question

11."Question: Are there more than 100 figures in that book?

Statement-I: there are not more than two figures on any page of a 51-page book.

Statement-II: There is at least one figure on every page.

- A. both S1 and S2 are sufficient to answer the question, but neighber S1 alone nor S2 alone is sufficient to answer the question.
- B. statement I alone is sufficient to answer the question.
- C. statement-I and II together are not sufficient to answer the question
- D. statement-II is sufficient to answer the question

12.Question: Among the three numbers, A, B, and C which is the greatest number?

Statement-I: Half of A is equal to one- fourth of B and the value of C is 2 more than that of A.

Statement –II: One- third of B is equal to half of A and the value of C is 2 more than that of A.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. Eithter the statements I alone or statement II alone is sufficient to answer the question
- D. The data in both the statements I and II together is sufficient to answer the question.

13. "Question: What is priya's rank from the top in a class of sixty students? Statement-I There are five students between priya and tej Statement-II Tej is seventh from the top

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. both the statements I and II together are sufficient to answer the question
- D. Neither statement-I alone nor statement-II alone is sufficient to required to answer the question

14.Question: A, B, C, D, and E stand in a row for a photograph. Who is standing 4th from the left?

Statement-I E is the person standing in the middle.

Statement-II A and B neighbours of E.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. either statement-I alone or statement-II alone is sufficient to answer the question.
- D. The data in both the statements I and II together is sufficient to answer the question.

15. Question: Is the average age of the students of a school less than 17 years?

Statement-I The strength of the class VIII is less than 25% of the strength of the school.

Statement -II The average age of the students of class VIII of the school is 18 years and that of the remaining classes is 16 years.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. either statement-I alone or statement-II alone is sufficient to answer the question.
- D. The data in both the statements I and II together is sufficient to answer the question.

16.Question: on which day in April is Gautam's birthday?

Statement-I Gautham was born exactly 28 years after his mother was born.

Statement-II His mother will be 55 years 4 months and 5 days on August 18 this year.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. either statement-I alone or statement-II alone is sufficient to answer the question.
- D. The data in both the statements I and II together is sufficient to answer the question.

17.Question:Who is the youngest among khan, akram, sharif and sayed ?

Statement-I khan is elder than akram.

Statement-II sharif and akram are younger than sayed.

- A. statement I alone is sufficient to answer the question.
- B. statement I alone is sufficient to answer the question.
- C. Both statement-I and statement-II suffienct to answer the question
- D. if the two statements are not sufficient but still more data is needed to answer the question.

18.Question:Who has secured maximum marks among A, B, C, D,E and F? Statement –I B secured less marks than A and F but not less than C, D, and E. Statement- II F secured more marks than B but not us much as A.

- A. statement I alone is sufficient to answer the question.
- B. statement I alone is sufficient to answer the question.
- C. if both statements I and II are together neither statement suffices by itself.
- D. Both statements are not sufficient but still more data is needed to answer the question.

19."What is shalini's age?

Statement –I she is 10 years younger than her brother.

Statement -II The ratio of the age of father to Shalini is 4: 1

A. statement I alone is sufficient to answer the question.

- B. statement I alone is sufficient to answer the question.
- C. Both statement-I and statement-II sufficienct to answer the question
- D. if the two statements are not sufficient but still more data is needed to answer the question.

20."Question: How old is Gayathri now?

Statement- I Gayathri was twice as old his brother two years before and her brother's age now is 20 years.

Statement- II Gayathri was 10 years old when his brother born.

- A. statement I alone is sufficient to answer the question.
- B. statement II alone is sufficient to answer the question.
- C. Both statement-I and statement-II suffienct to answer the question
- D. Both statements are not sufficient but still more data is needed to answer the question.

ii. PROBLEM SOLVING:

A. Sequences and series (21 to 30)

NOTE: In each of the questions numbered 21 to 30 a sequence of numbers and letters that follow a definite pattern is given. Each question has a blank space. This blank space is to be filled by the correct answer from one to four given options to complete the sequence without breaking the pattern.

21. What is the next number in the sequence: 7, 14, 21, 28, ___?

A.34 B.35 C.36 D.40

22. What is the missing number in the sequence: 4, 9, ____, 19, 24

A.12 B.14 C.15 D.16

23. What is the sum of the first 12 terms of the arithmetic sequence: 2, 6, 10, 14, ...?

A.420 B.440 C.460 D.480

24. What is the common ratio in the geometric sequence: 3, 12, 48, 192, ...?

A.3 B.4 C.5 D.6

25.Find the next term in the series: 2, 5, 9, 14, 20, ___? A.25 B.26 C.27 D.28 26. What is the sum of the first 25 terms of the arithmetic series: 8, 13, 18, 23, ...? A.1800 B.1825 C.1850 D.1900 27. What is the common difference in the arithmetic sequence: 25, 31, 37, 43, ...? B.5 C.6 D.7 A.4 28.If the first term of a geometric sequence is 4 and the common ratio is 2, what is the 6th term? B.64 A.32 C.128 D.256 29. Which term of the sequence 5, 10, 20, 40, ... is 320? A.5 B.6 C.7 D.8 30. What is the sum of the first 18 terms of the series: 4 + 9 + 14 + 19 + ...?A.1440 B.1530 C.1620 D.1710 31.Find the odd one out: 4, 9, 16, 25, 30 A.9 B.16 C.25 D.30 32.Find the missing number:5, 10, 20, ?, 80 B.35 A.30 C.40 D.45 33.Find the odd one out:3, 6, 9, 15, 18 B.9 A.6 C.15 D.18 34.Find the missing number:1, 4, 9, 16, ? A.20 B.25 C.30 D.36 35.Find the odd one out:10, 20, 30, 45, 50 B.20 A.10 C.30 D.45 36.Fill in the blank:7:49 :: 9:? A.72 C.90 **B.81** D.99 37.Fill in the blank:11:121 :: 13:? A.140 B.150 C.169 D.180 38.Fill in the blank:6:12 :: 9:? A.15 B.16 C.18 D.20 39.Fill in the blank:3:27 :: 4:? A.32 B.48 C.64 D.81

40.Fill in the b	olank:5:10 :: 8:	?		
A.12	B.14	C.16	D.18	
41.Fill in the b	olank:2:8 :: 5:?			
A.20	B.25	C.30	D.40	
42.Fill in the b	olank:4:32 :: 6:	?		
A.42	B.54	C.72	D.96	
43.Fill in the b	olank:10:30 :: 1	5:?		
A.35	B.40	C.45	D.50	
44.Fill in the b	olank:9:81 :: 12	2:?		
A.121	B.144	C.196	D.169	
45.Fill in the blank:7:21 :: 9:?				
A.24	B.27	C.30	D.33	

DATA ANALYSIS

(46 to 50) Study the diagram given below and answer each of the following questions The following Venn diagram shows games played by the number of students in a class:



50. How many people like Cricket and Football but not Hockey?

(51 to 55) Study the following table and answer the questions

Region	2019	2020	2021	2022	2023
North	120	135	150	165	180
South	90	100	115	130	150
East	80	95	110	120	135
West	110	125	140	155	170
Central	75	85	95	110	125

Table: Sales of Different Products (in thousands of units) by Region over Five Years

51. What was the total sales (in thousands of units) of all regions combined in the year 2021?

А.	580	B.610	C.590	D.600

52. Which region showed the highest percentage increase in sales from 2019 to 2023?

A. North B.South C.East D.Central

53. What is the average sales (in thousands of units) of the South region over the five years?

A. 117	B.120	C.125	D.119

54.In which year did the East region's sales surpass 115,000 units?

A. 2020 B.2021 C.2022 D.2023

55. What is the difference between the highest and lowest sales figures for the West region across the given years?

A. 50 B.60 C.70 D.80

C. Coding and decoding Problems

56.If "HELLO" is coded as "JGNNQ", how would you code "WORLD"?

A.YQTNF B.XPSME C.YPMOE D.YQTOE

57.If "GOLD" is coded as "IQNF", how would you code "SILVER"?

A.UKNWTG B.ULNVTG C.UNLVWG D.ULNVWG

58.If "PENCIL" is coded as "QFOBJM", how would you code "ERASER"?

A.FSBTFS B.FSBTSF C.TGTCUG D.FSBTFT

59.If "LAMP"	is coded as "C	OBPS", how w	ould you code "FAN"?)
A.JBR	B.HBR	C.HCP	D.IBQ	
60.If "KING"	is coded as "M	IHQJ", how w	ould you code "QUEE	N "?
A.TXIIR	B.UXJJT	C.TXJJR	D.TXIIS	
61.If "DOG" i	s coded as "GI	RJ", how woul	d you code "CAT"?	
A.FDU	B.FHV	C.FDV	D.GDU	
62.If " HORSI	E" is coded as	"KRUVE", ho	w would you code "TI	GER"?
A.WLJHU	B.WLJHT	C.XMKIU	D.XMKHT	
63.If "APPLE	" is coded as "	CQQNG", hov	v would you code "BA	NANA"?
A.DCPDPC	B.DB	ODPB	C.DBODPC	D.DCODPC
64.If "LION"	is coded as "O	KRQ", how w	ould you code "TIGER	2"?
A.WJHER	B.XJH	łFQ	C.XJHFS	D.WJHFS
65.If "MOON	" is coded as "]	RPPR", how w	ould you code "SUN"	?
A.VWQ	B.WV	'R	C.WVQ	D.VWR
Date Time &	Arrangement	problems (66	5 to75)	
66.What day c	of the week wa	s July 4, 2022	?	
A.Monday	B.Tue	sday	C.Wednesday	D.Thursday
67.At what tin	ne between 7 a	nd 8 o'clock d	o the hour and minute	hands overlap?
A.07:35		B.07:38	C.07:	40 D.07:45
68.If P is the f	ather of Q, Q i	s the mother o	f R, and R is the sister	of S, then what is S to P?
A.Grandson	B.Gra	nddaughter	C.Son or Daughter	D.Nephew
69.A plane dep	parts at 11:45 A	AM and lands a	after 3 hours and 25 m	inutes. What time does it land?
A.2:50 PM	B.3:00) PM	C.3:10 PM	D.3:30 PM
70.A bus departs every 15 minutes starting from 7:00 AM. If a person arrives at 7:22 AM, how long must they wait for the next bus?				
A.3 minutes	B.8 m	inutes	C.7 minutes	D.15 minutes
71.In a circular seating arrangement, A, B, C, D, and E are seated. A is to the left of B, B is to the left of C, C is to the left of D. Who is to the right of E?				
	ЪЪ		6.6	

A.A B.B C.C D.D

72.If "@" means " what is the value of	'divide", "#" means "subtra of 20 @ 4 % 5 \$ 2 # 3?	act", "\$" means "multij	ply", and "%" means "add",
A.12	B.14	C.16	D.18
73.A train leaves a does it arrive?	at 8:20 AM and takes 2 ho	urs 45 minutes to reach	n its destination. What time
A.10:45 AM	B.11:00 AM	C.11:05 AM	D.11:15 AM
74.If " O " means " what is the value of	subtract", "★" means "mu of 30 � 5 ★ 2 ♦ 10 ● 5?	ltiply", "♦" means "ado	d", and "O" means "divide",
A.15	B.18	C.20	D.25
75.If today is Wed	lnesday, what day will it b	e 45 days from today?	
A.Monday	B .Tuesday	C.Wednesday	D.Thursday
SECTION - B	COMMUNICATION AF	BILITY	
Part – 1 : Choose	the correct Meaning for	• the word given (15 M	1)
76.Choose the cor	rect meaning of FASCINA	ATING.	
A.Clever	B.Uniform	C.Charming	D.Boring
77.Choose the wo	rd most nearly opposite to	the given word "Tragi	c"
A.Boring	B.Mysterious	C.Cominc	D.Incredulous
78.What is the me	aning of "Ephemeral"		
A.Lasting	B.Fleeting	C.Eternal	D.Constant
79.Synonym for "	Taciturn"		
A.Talkative	B.Reserved	C.Gregarious	D.Outgoing
80.Which word m	eans "to express disapprov	val"	
A.Condone	B.Commend	C.Condemn	D.Approve
81.What is anothe	r word which means the sa	ame as 'nomadic'?	
A.Wild	B.Barbarous	C.Brave	D.Roving
82.Find the word	which has the same meani	ng as 'cleave'	
A.Big	B.Cut	C.Little	D.Green
83. What word is	used for someone 'who lov	ves books'?	
A.Bibliophile	B.Philanthropist	C.Cynic	D.Pessimist
84.Select the right	word which means 'some	ething short-lived'.	
A.Eternal	B.Momentary	C.Everlasting	D.Permanent

85.What is the antonym of the word 'arduous'?

A.Difficult **B.Effortless D**.Laborious C.Strenuous 86. He was known for his _____ attitude towards his employees. What word is appropriate for the blank? D.Indifferent C.Rude A.Benevolent **B**.Harsh 87. What word corresponds to the meaning of 'generous in forgiving'? **B.**Magnanimous C,Spiteful D.Unforgiving A.Vengeful 88. The prince abdicated the crown and returned to his castle. Abdicated means... **B.Sold** C.Reinvested into **D**.Auctioned A.Gave up 89. The extra dirt was a key buttress to the foundation. Buttress means... A.Limiting factor **B.Support** C.Overwhelming condition D.Obstacle 90. The winning team of the World Series often has a jovial attitude. Jovial means... A.Merry **B**.Sad C.Sober **D**.Laborious **PART-2 : FILL IN THE BLANK WITH APPROPRIATE VERB/PHRASE/PREPOSITION(20 M)** 91.He tried to solve the sum but he not B.Could D.might A.Can C.may 92.It was very cold outside, and the fire we lit was dimming down; hence I decided to ______ it a bit. **B**.strike C.stoke A.soak D.increase 93.I was very grateful that he (repair) my computer so promptly B.will be repairingC.will repair D.repaired A.repairs B.will be repairing C.will repair D.repaired A.repairs 94.Except that Govind is short-sighted, he is . A.inept for the post B.weak for the post C.fit for the post D.not eligible for the post 95. Choose the grammatically correct sentence A. Reema or her friends run every day B. Her friends or Reema run every day C. Her friends or Reema are running every day D. Reema or her friends is running every day 96.In spite of many failures, he hopes to .

A.lose B.Succeed C.Get rejected D.Quarrel

97.Identify the right option with the correct sentences.

- A. To teach children you need patience
- B. To teach children you need a patience
- C. To teach childrens you need patience
- D. To teach children for, you need patience

98.She is _____ good at dancing _____ singing.

A.either, neither B.neither, or C.neither, nor

99.Select the grammatically correct option

- A. They can play as well as we can
- B. They can play as well as us can
- C. They can play as well as them can
- D. They can play as well as me can

100.Neem has ______ qualities and doctors have saved countless lives by using raw neem leaves.

D.Either. not

A.Remedial B.Flavoring C.Inferior D.Doubtful

101. The police ______ people in the neighbourhood since last week.

- A. have been interrogating
- B. has interrogated
- C. have interrogated
- D. has been interrogating

102.He will come the movie starts.

A.as far as B.afterwards C.after D.as long as

103.We are very excited ______ our trip to Spain next week

A.At B.With C.About D.Over

104.Everyone in this town will benefit ______ the new hospital

A.From B.With C.At D.Into

105.Wearing a seat belt can protect you _____ being killed in a car.

A.With B.of C.About D,From

106.We _____ (drive) down the street when the traffic lights suddenly turned red.

A.With B.of C.About D.From

107.Some snakes are very _____, so you should be careful if you see one.

A.slippery B.ugly C.dangerous D.gentle

108.I (do) my homework when she called

A.Am doing B.Do C.Was doing D.No Changes required

109.Mary sat _____ Archana and Ruchi, so that she could be in the middle.

A.Outside B.Beyond C.Between D.Near

110.The ______ ceremony of the ancient tribes can be shocking as it involves human sacrifices.

A.Immolation B.Ritualistic C.Atonement D.Penance

PART -3 : BUSINESS AND COMPUTER TERMINOLOGY(15 M)

111.Business combination of two or more entities that occurs when the entities transfer all their net assets to a new entity that created for purpose.

A.Consolodation B.Joint Venture C.Demerger D.None of these

112.A marketing activity directed from one business to another

A.B2B B.B2C C.C2B D.C2C

113.PESTEL Means

- A. Political, Economic, Social, Technological, Legal, Environmental
- B. Political, Ecological, Structural, Technical, Legal, Environmental
- C. Policy, Environment, Social, Team work, Loyal, Ecological
- D. Political, Ecological, Structural, Technological, Legal, Environmental

114.It is the amount of revenue from sales which exactly equals the amount of expense

A.Total revenue	B.Breakeven point	C.Both (a) and (b)	D.None of these
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115.A stock that provides a constant dividends and stable earnings even in the periods of economic downturn is

A.Income stock B.Cash budget	C.Listed stock	D.Defensive Stock
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116.______ is the simultaneous purchase and sale of two identical commodities or instruments. This simultaneous sale and purchase is done in order to take advantage of the price variations in two different markets.

A.Cap B.Term insurance C.Arbitrage D.Hedge

117.The falling or attitude that inclines a customer either to return to the company/Shop/outlet to purchase these again may be regarded as ______

A.Customer need B.Customer loyalty C.Customer Satisfaction D.Customer want

118.If a schedule bank has surplus funds, then it can be deposited with the RBI for short periods. Such rate of Interest offered by the RBI is called as:

A.Repo Rate B.Conversion Rate C.Reverse Repo Rate D.None of these

119.when a country removes the barriers to international trade in goods and services and the international flows of Capital, then this process may be regarded as:

A.Privatization B.International Trade C.Liberalization D.Globalization

120.The term gigabyte refers to

A.1024 bytes B.1024 kilobytes C.1024 megabytes D.1024 gigabyte

121. The word processing task associated with changing the appearance of a document is

A.Editing B.Formatting C.Writing D.All of above

122.Machine language is

A.Machine dependent B.Difficult to program C.Error prone D.All of above

123.Programs stored in ROM are called as

A.Fireware B.Formware C.Farmware D.Firmware

124._____ is a secret code of numbers and alphabets given to Customers to perform transactions through an automatic letter machine.

- A. Personal Identification Number
- B. Permanent identification Number
- C. Provision identification Number
- D. Permanent Identity Number

125.Micro-blogging can be defined as _____.

- A. Mobile related blogs
- B. Blogs posted by companies instead of an individual
- C. Blogs encompassing limited individual posts, which are typically limited by character count.
- D. None of the above

PART – 4 READ THE COMPREHENSION (4 PASSAGES)

READ THE FOLLOWING PASSAGE AND ANSWER QUESTIONS:

PASSAGE – 1

The Great Barrier Reef, located off the northeastern coast of Australia, is a natural wonder of the world. This vibrant and extensive coral reef system spans over 2,300 kilometers (1,430 miles) and is teeming with life. It's known for its breathtaking underwater landscapes, with colorful corals, diverse marine species, and crystal-clear waters. This marine ecosystem is a UNESCO World Heritage site and is one of the most popular destinations for tourists, scientists, and divers. The Great Barrier Reef supports countless species, from tiny, intricate coral polyps to massive sea turtles and majestic humpback whales. However, the reef faces numerous threats, including climate change, ocean acidification, and pollution. These challenges endanger the delicate balance of this ecosystem, putting its future at risk.

126. What is the Great Barrier Reef known for?A. Its breathtaking landscapesB.Its location in the Atlantic OceanC.Its position in the Arctic CircleD.Its extensive deserts

127. What does the term "acidification" mean in the context of the passage about the Great Barrier Reef?

A. The process of making something less acidic

B.The process of turning a substance into acid

C.The presence of acid in the oceans

D.The process of making something more acidic

128. What is the Great Barrier Reef's UNESCO status?A.It is not recognized by UNESCOB.It is a World Heritage siteC.It is a restricted military zoneD.It is an endangered species

129. What is the primary threat to the Great Barrier Reef mentioned in the passage?A.Volcanic activityB.Ocean explorationC. OverfishingD.Climate change

130.What tone does the passage about the Great Barrier Reef convey?A.Energetic and humorousB.Informative and educationalC.Melancholic and sorrowfulD.Sarcastic and critical

READ THE FOLLOWING PASSAGE AND ANSWER QUESTIONS:

PASSAGE – 2

On October 3, the ICIJ released the Pandora papers. The collaborators included media organizations like the BBC and The Guardian from the UK and The Indian Express from India. The data is in 11.9 million files, consisting of documents, images, emails, spreadsheets, presentations, audio and video files and even ink on paper. The work was done mostly in secrecy, over nearly two years. While the records go back to the 1970s, most of the data pertains to the period from 1996 to 2020. What the Pandora Papers reveal are the financial dealings of the superrich, including politicians, businessmen, sports stars and celebrities. They provide data on secret private trusts 'settled' or placed in obscure offshore tax havens and the identity of the ultimate beneficiaries of the wealth in those trusts. The data also reveals the multi-layered complex structures, possibly constructed to hide the identity of ultimate beneficiaries. There are shell companies within offshore shell companies, which safeguard wealth in the form of cash, shares, real estate ownership, aircrafts, yachts and art. The multiple layers of ownership are to make it difficult to trace the true ownership and beneficiaries.

There are at least 380 persons of Indian nationality in the Pandora Papers. These include some against whom investigations are ongoing for financial fraud, and some whose revelation has raised eyebrows. There is data on more than 130 billionaires from various countries. What is different about the Pandora Papers from the earlier Panama Papers leaks, revealed by the ICIJ five years ago? Unlike the Panama Papers which were leaked from a single source, a law firm called Mossack Fonseca, the Pandora Papers are sourced from 14 different providers, whose identity has been concealed. It is a much more comprehensive picture of how the wealthy shift their wealth across tax jurisdictions, possibly to evade taxes or to have a system of 'more efficient tax planning'. For

decades, big companies like Apple, Google and Amazon have hooked profits from their European and global income in the low-tax haven of Ireland. That will now end. Indeed, the European Union has imposed a fine on Ireland for such irresponsible taxation, which amounts to 'stealing the taxes' of other jurisdictions. Leaving aside the fugitives who have defrauded banks, or defaulted on large loans from public sector banks, another issue to think about is that even if the wealth has been salted away legally, does it reflect a flight of capital? Are high net worth individuals moving significant assets abroad? What is their anxiety? Do they feel their wealth is not secure in India? If India were to open up its capital account completely, would we see a massive flight of capital? The Pandora Papers raise a lot of issues that need serious introspection. However, one hopes that like the Panama and Paradise Papers, they don't become forgotten headlines in a fortnight.

131. Which of the following would replace the word 'hooked' as used in the passage above?A.LookedB.SpookedC.BookedD.Rebuked

132. Which media house has not been mentioned in the passage?A. The GuardianB.BBCC. Indian ExpressD. The New York Times

133. How do the Pandora's papers claim to have preserved the wealth of the businessmen and the personalities?

A.In the form of the financial dealings of the super-rich

B.In complex structures that hide the real identities of the beneficiaries

C.Shell companies that safeguard the wealth in the form of cash, real estate, aircrafts, yachts etc.

D.They have sourced information from various information providers

134. Which of the following words can fit as the best antonym to the word 'evade' as used in the passage above?

A.Pay B.Escape C.Hide D.Unintentional

135. How are the Pandora papers different from the Panama Papers?

A.The Panama papers have been revealed by the ICIJ and they had been planning for the same for the last 5 years

B.The role of tax havens has been huge as they provide a way for the wealthy to evade taxes

C.The Pandora papers have named the banks that have helped their clients create the shell companies

D.The Pandora papers have been leaked from 14 different sources unlike the ones done by the Panama where a single entity was involved

READ THE FOLLOWING PASSAGE AND ANSWER QUESTIONS: PASSAGE – 3

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain.

A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

136. The 16th century was an age of great _____exploration.A.cosmicB.landC.mentalD.common man

137. Magellan lost the favor of the king of Portugal when he became involved in a political _____.A.entanglementB.discussionC.negotiationD.problem

138. The Pope divided New World lands between Spain and Portugal according to their location on one side or the other of an imaginary geographical line 50 degrees west of Greenwich that extends in a ______ direction.

A.north and south B.crosswise C.easterly D.south east

139.One of Magellan's ships explored the	_ of South America for a passage across the
A constline	
A.coastille	
B.mountain range	
C.physical features	
D.islands	
140. Four of the ships sought a passage along a south	ern
A.coast	
B.inland	
C.body of land with water on three sides	

D.border

READ THE FOLLOWING PASSAGE AND ANSWER QUESTIONS:

PASSAGE – 4

Marie Curie was one of the most accomplished scientists in history. Together with her husband, Pierre, she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctor ate in physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physics laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish. Despondently she recalled their close relationship and the joy that they had shared in scientific research. The fact that she had two young daughters to raise by herself greatly increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonne. She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Nobel Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

141.The Curies'	_ collaboration helped to unlock the secrets of the atom.
A.friendly	
B.competitive	
C.courteous	
D.industrious	

142. Marie had a bright mind and a _____ personality.A.strongB.lightheartedC.humorousD.strange

143. When she learned that she could not attend the university in Warsaw, she felt ______.
A.hopeless
B.annoyed
C.depressed
D.worried

144. Marie ______ by leaving Poland and traveling to France to enter the Sorbonne.A.challenged authorityB.showed intelligenceC.behavedD.was distressed

145._____ she remembered their joy together.A.DejectedlyB.WorriedC.TearfullyD.Happily

Section C – Mathematical Ability

146.If $x^4 = 81$, what is x? B. 3 A. 9 C. 81 D. 4 147. The value of $(x^{-1}y^2)^{-3}$ is: A.x³/y⁶ B. x⁻³y⁻⁶ C. y⁶/x³ D. x^3y^6 148.If 8: 6 = x: 9, what is the value of x? A. 10 B. 12 C. 9 D.7 149. The third proportional to 6 and 12 is: A. 24 **B.18** C. 30 D.20 150.Simplify: $\sqrt{50}$ A.5√2 B.2√5 C) √25 D) 10√2 151.Rationalize: $1/\sqrt{2}$ A) √2 B) √2/2 C.2√2 D.1/2 152.A number is divisible by 4 if: A.The sum of digits is divisible by 4 B.It ends in 0 C.The last two digits are divisible by 4 D.It ends in 4 153.The number 0 is divisible by:A.All numbersB.No numberC.Only 1D.Any non-zero number

154.The LCM of two co-prime numbers is: A.Their sum B.Their product C. 1 D.0

155.If LCM of two numbers is 84 and their HCF is 7, and one number is 21, what is the other number?

A.28 B.14 C.35 D.42

156. GCD of 45, 75, and 60 is: A. 5 B.10 C.15 D.20

157. Which of the following is equal to a rational number? A.0.121212... B. $\sqrt{5}$ C. π D.e

158. The product of two rational numbers is always: A.Rational B.Irrational C.Integer DNatural

159. Which of these is both a rational and an integer? A.3/7 B.0.25 C. -5 D. π

160. Which of these is the largest? A.0.09 B. 0.9 C.0.009 D.0.19

161. Which is the smallest rational number among 1/3, 2/5, 3/7?A.1/3B.2/5C.3/7D.All are equal

162 .If the price of a product increases from ₹200 to ₹240, the percentage increase is: A.15% B.20% C.25% D.30%

163. If 30% of a number is 60, then the number is: A.180 B.200 C.220 D.240

164. Profit% = (Profit / CP) × ? A.10 B. 50 C.100 D.1000

165. A product is sold at ₹880 with a 12% loss. The cost price is: A. ₹1000 B. ₹950 C. ₹970 D. ₹1100

166.A and B invest ₹6000 and ₹4000 respectively. After 6 months, A with draws ₹2000. If the business runs for 1 year, what is the profit ratio?
A. 3:2 B. 4:3 C. 5:3 D. 7:5

167. A, B and C invest ₹10000, ₹20000 and ₹30000 respectively. After one year, the total profit is ₹24000. What is B's share?
A. ₹4000 B. ₹6000 C. ₹8000 D. ₹10000

168.A pipe can fill a tank in 6 hours. Another can empty it in 9 hours. If both are opened together, how long will it take to fill the tank? A. 12 hours B. 18 hours C. 24 hours D. 10.8 hours 169. A pipe fills a tank in 8 hours. Due to a leak, it takes 10 hours. In how many hours will the leak empty the full tank? A. 40 B.20 C. 30 D. 10 170.. What is the angle between the hands at 6:30? A. 15° B. 30° C. 0° D. 195° 171. At what time between 4 and 5 o'clock will the hands of the clock be at right angles? A.4:38 2/11 B. 4:43 7/11 C. 4:15 D.4:45 172. The hands of a clock are opposite to each other at: C. 5:35 A.6:00 B.5:55 D. 6:30 173. A can do a work in 12 days, B in 18 days. In how many days can they complete the work together? A.7.2 days B. 6 days C. 10 days D. 8 days 174. A can finish a work in 5 days, B in 10 days. B starts work and A joins after 2 days. Total time to finish work? A. 3.5 days B. 4 days C. 2 days D. 5 days 175.If A is twice as efficient as B, and they together can complete work in 12 days, how long will B alone take? C. 24 days D. 18 days A. 36 days B. 30 days 176. Volume of a sphere is given by: A. $(4/3)\pi r^{3}$ $B.\pi r^2h$ C. $(1/3)\pi r^{2}h$ D. πr^2 177.A cylinder has radius 7 cm and height 10 cm. What is its volume? B. 770 cm³ C. 440 cm³ D. 220 cm³ A.1540 cm³ 178. Area of a parallelogram with base 10 cm and height 6 cm is: A. 30 cm^2 B. 40 cm^2 $C.60 \text{ cm}^2$ $D_{\rm c} 80 \, \rm cm^2$ 179. Area of an equilateral triangle of side 6 cm is: A. 15.6 cm^2 B.12.3 cm² C. $9\sqrt{3}$ cm² D. 36 cm² 180. What is 7⁴ mod 5? A. 1 B. 2 C. 3 D. 4

Algebraic and Geometrical ability

181. The length of canvas 1.1 m wide required to build a conical tent of height 14 m and the floor area 346.5 sq. m is

A.490 m B. 525 m C. 665 m D. 860 m

182. The inverse of the	ne statement $(a \land b) \rightarrow$	$(c \rightarrow r)$ is		
$A.p \land (q \rightarrow r)$	B. $r \land (p \rightarrow q)$) C. $q \wedge (r \rightarrow p)$	D. $r \land (q \rightarrow p)$	
183. A sphere of max volume of the hemisp A.3:2 B. 4:	imum volume is cut o ohere to that of the cut 1 C. 4:3 I	ut from a solid hen out sphere is:). 7:4	hisphere of radius r. the ratio of the	
184 . The number of A. n ^x B. n ^{x-}	x digit numbers in the ¹ C. $n^x - n$ D	nth base system w . $n^x - n^{(x-1)}$	ill be	
185. A solid wooden radius of the hemisph the wooden toy	toy in the shape of a rinere is 4.2 cm and the	ght circular cone i total height of the t	s mounted on a hemisphere. If the oy is 10.2 cm, find the volume of	
$A.104 \text{ cm}^3$	B. 162 cm^3	C. 427	cm ³ D. 266 cm ²	
186. A is a 3x3 matrix determinant of A is	x, and B is its adjoint 1	matrix. If the deter	minant of B is 64, then the	
A.4	B. ±4 C.	8 D. ±8	3	
187. AB is a chord of the circle. Find the ar	a circle of radius 14 c rea of the minor segme	em. The chord subt	ends a right angle at the centre of	
A. 98 sq cm	B. 56 sq cm	C. 112 sq cm	D. 100 sq cm	
188. A function $f(x)$ f f(0) = 15, then what i	is defined for all real vs the value of $f(12)$?	values of x as $f(x) =$	$=ax^{2}+bx+c$. If $f(3) = f(-3) = 18$,	
A. 63	B. 159 C. 10	2 D. 80		
189. A square matrix A. $A^{T}=A$	is called an orthogona $B. A^T = -A$	$\begin{array}{ccc} l \text{ matrix if matrix } \\ C. & A = A^{-1} \end{array}$	A satisfies D. $A^{T}=A^{2}$	
190. If X:Y = 3:5, the A. 41/47	en the value of (2x+7y B. 29/41	7) / (4x+9Y) is C. 41/57	D. 41/29	
Statistical ability				
191. The variance of A. 120	147, 149, 151, 153, B. 90	, 183 is C. 60	D. 30	
192. In a simultaneou A. 1/4	us throw of two dice, th B. 5/36	ne probability of g C. 7/12	etting a total of 10 or 11 is D. 1/36	
193. If σ is the standard deviation of the observations $x_1, x_2, x_3, \ldots, x_n$, then standard deviation of $12x_1+13$, $12x_2+13$, $12x_3+13$, $\ldots, 12x_n+13$ is				
Α. 12σ	Β. σ – 13	C. σ + 13	D. σ	
194. The sum to infinite terms of a G.P. is 15, and the sum of their squares is 150. If r is the common ratio of the G.P. then $100 \text{ r}^2 =$				
A. 4	B. 8	C. 12	D. 16	

195. A problem in statistics is given to three students, A, B, and C, whose chances of solving it independently are $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$, respectively. Find the probability that exactly one of them is also able to solve that problem B. 9/24 A. 11/24 C. 7/24 D. 1/4 196. The following data represents the heights and weights of three students A, B, and C as Height X: 160 164 170, respective Weight Y: 53 57 60. The correlation coefficient r is A. 0.56 B. 0.98 C. 0 D. None 197. if A and B are two events such that P(A) = 2/3, $P(\bar{A} \cap B) = 1/6$, and $P(A \cap B) = 1/3$, then $P(\overline{A}UB) = ?$ A. 1/6 B. ½ C. 2/3 D. ¾ 198. The arithmetic mean of the first n natural numbers is, A. (n+1)/2B. n(n+1)/2D. None C. (n/2)+1199. Obtain the median of the following frequency distribution: x: 1, 2, 3, 4, 5, 6, 7, 8, 9 respective frequencies are f: 8, 10, 11, 16, 20, 25, 15, 9, 6 A. 6 C. 4 D. None B. 5 200. If a function f: R \rightarrow R, when 'R' is the set of real numbers and f(x)=1-|x - 2|, then the range of f(x) is

A. $(-\infty, 2)$ B. [-2, 4] C. $(-\infty, 1)$ D. (0, 3)