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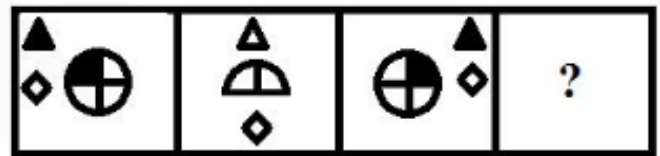
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- In which case, SC held that discretionary powers of governor under Article 163 are limited and can't be used arbitrary?
A. Hargovind Pant case, 1979
B. Nabam Rejja case, 2016
C. Indira Sawney case, 1994
D. Keshwanand Bharti case, 1973
- The 102nd constitutional amendment act, 2018 was related to?
A. Providing 10% reservation to economically weaker section
B. Constitutional Status to National Commission for Backward Classes
C. Constitutional Status to National Commission for SC
D. Constitutional Status to National Commission for ST
- Pirpur committee was established by which of the following organisation?
A. Indian National Congress
B. Muslim League
C. All India Depressed Class Association
D. Justice Party
- Which brave queen of Gondwana fought against the Mughal Army to protect her sovereignty and freedom of her Kingdom?
A. Rani Priyadarshi
B. Rani Parwati
C. Rani Padmini
D. Rani Durgawati
- 'Torr' is a unit of
A. Pressure
B. Power
C. Force
D. Energy
- Who appoints the Advocate General of states?
A. President of India
B. Chief Justice of the high court
C. Chief Minister of the state
D. Governor of the state
- 'Pedology' is the science of:
A. skin disease
B. ground water
C. soil

- childhood illness
- Who was the person to become prime minister of India, who earlier served as chief minister of any state?
A. Morarji Desai
B. Choudhary Charan Singh
C. VP Singh
D. All of the above
- A new festival "Namaste Orchha", is an initiative by the _____.
A. Madhya Pradesh
B. Arunachala Pradesh
C. Meghalaya
D. Madhya Pradesh
- World Consumer Rights Day is observed on _____.
A. 14th March
B. 17th March
C. 15th March
D. 16th March

11. Select the figure that can replace the question mark (?) in the following series.



-
-
-
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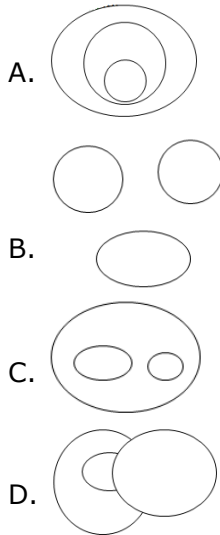
12. Select the letter-cluster that can replace the question mark (?) in the following series.
aYd, fTi, kOn, pJs, ?
A. uEw
B. uEx

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- C. VeX
- D. uFw

13. Select the Venn diagram that best illustrates the relationship between the following classes.

Blueberries, Bing cherry, Bananas.



14. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(13, 65, 117)

- A. (12, 55, 109)
- B. (15, 75, 135)
- C. (17, 85, 163)
- D. (14, 70, 127)

15. Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.

F_hg_fh_gf_hg_fh_g

- A. g, h, f, g, h, f
- B. h, f, g, h, f, g
- C. g, f, g, f, h, f
- D. f, g, h, f, g, h

16. Select the letter-cluster that can replace the question mark (?) in the following series.

VYR, TWP, RUN, P (?) (?), NQJ

- A. NM
- B. RL
- C. MK
- D. SL

17. Select the letter-cluster that can replace the question mark (?) in the following series.

CWGV, FWJV, IWMV, LWPV _____

- A. OWSV
- B. OWRV
- C. PWSV
- D. PSWV

18. If 'x' stands for '-', '÷' stands for '+', '+' stands for '÷' and '-' stands for 'x', which one of the following equations is correct?

- A. $15 - 5 \div 5 \times 20 + 16 = 6$
- B. $8 \div 10 - 3 + 5 \times 6 = 8$
- C. $6 \times 2 + 3 \div 12 - 3 = 15$
- D. $3 \div 7 - 5 \times 10 + 3 = 10$

19. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by', then $81 K 9 Q 6 J 8 T 4 = ?$

- A. 51
- B. 52
- C. 55
- D. 53

20. In a certain code language, **WARDROBE** is written as **YXVYXHJV** How will **ACCURATE** be written as in that language?

- A. BZHPXTBV
- B. CZHPVTBV
- C. CZGPXTBV
- D. DZGPXTBV

21. Select the **INCORRECTLY** spelt word.

- A. Acquaitence
- B. Abandon
- C. Alliance
- D. Acquisition

Select the most appropriate option to fill in the blank.

22. She _____ how the magician had performed the rope trick.

- A. suspected
- B. bewildered
- C. wondered
- D. puzzled

Given below are four jumbled sentences. Out of the given options



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pick the one that gives their correct order.

23. A) The mountain range was covered with snow.
B) Napoleon had to cross the Alps in winter.
C) Napoleon replied that the word 'impossible' did not exist for him.
D) So, someone told Napoleon that the task was impossible.
A. ADBC
B. BADC
C. BDCA
D. DBCA

Select the most appropriate synonym of the given word.

24. CONGEAL
A. solidify
B. extract
C. disintegrate
D. hide

Given below are four jumbled sentences. Pick the option that gives their correct order.

25. P: There is a good scope of personal growth and development in the big cities.
Q: Besides, there are a number of activities one can involve in outside the school which help in personal growth.
R: These educational institutes give the individuals a chance to participate in various kinds of activities and events to help them explore their interest.
S: Children living in such cities have access to good schools and colleges.
A. QRPS
B. PSRQ
C. PQRS
D. QSPR

Identify the part of the sentence that contains the grammatical error.

26. Lucy has already cut the cake when we reached the party hall.
A. cut the cake
B. Lucy has already
C. when we reached
D. the party hall

Select the correct indirect form of the given sentence.

27. "Hello", he said to his friend. "What can I do for you?"

- A. He asked and greeted his friend that what he can do for him.
B. He greeted his friend and asked what he could do for him.
C. He told hello and asked his friend what he could do for him.
D. He said hello and asked his friend what can do for him.

28. The rate of simple interest on a sum of money is 5% p.a. for the first 4 years, 8% p.a. for the next 3 year and 10% p.a. for the period beyond 7 years. If the simple interest accrued by the sum over a period of 10 years is Rs. 1,850, then the for is:

- A. Rs.2,750
B. Rs.1,650
C. Rs.1,500
D. Rs.2,500

29. What is the smallest integer that is divisible by 3, 7 and 18?

- A. 63
B. 252
C. 126
D. 72

30. In a triangle ABC, DE is parallel to BC; AD = a, DB = a + 4, AE = 2a + 3, EC = 7a. What is the value of 'a' if a > 0 ?

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

31. The sum of the squares of 3 natural numbers is 1029, and they are in the proportion 1 : 2 : 4. The difference between greatest number and smallest number is:

- A. 31
B. 21
C. 18
D. 15

32. If $x^2 - 4x + 4 = 0$, then the value of

- $\left(x^4 - \frac{1}{x^4}\right)$ is:
A. 127



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- B. $\frac{127}{16}$
- C. $\frac{255}{16}$
- D. 255

33. If $0 < A, B < 45^\circ$, $\cos(A + B) = \frac{24}{25}$ and \sin

$(A - B) = \frac{15}{17}$, then $\tan 2A$ is:

- A. 0
- B. 1
- C. $\frac{416}{87}$
- D. $\frac{213}{4}$

34. The angles A, B and C of a triangle are in arithmetic progression. Determine the values of A, B and C if $\sin(2A + B) = \sin(C - A) = -\sin(B - 2C) = 1/2$

- A. $A = 30^\circ, B = 60^\circ, C = 90^\circ$
- B. $A = 60^\circ, B = 90^\circ, C = 30^\circ$

- C. $A = 75^\circ, B = 60^\circ, C = 45^\circ$
- D. $A = 45^\circ, B = 60^\circ, C = 75^\circ$

35. Shenaz lends Rs. A to Ayesha at 7% interest annually. After that Ayesha adds Rs. B of her own money and lends Rs. A + B to Zoya at 12% interest annually. After returning Shenaz's dues, the net interest retained by Ayesha is the same as that accrued to Shenaz at the end of the year. On the contrary, had Ayesha lent Rs. A + 3B to Zoya at 12%, the net interest retained by her would have increased by Rs 240. All the interests are compounded annually. Find A + B.

- A. Rs. 14000
- B. Rs. 8000
- C. Rs. 7000
- D. Rs. 10000



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###ANSWERS###

1. Ans. B.

- In **Nabam Rebja case, 2016**, SC held that discretionary powers of governor under **Article 163** are limited and can't be used arbitrary.

- It also for the **first time in this history**, Supreme Court has put back a state government that had been dismissed by the Centre under the President's Rule.

- The case arose when due to political crisis in Arunachal Pradesh, SC imposed president's rule under Article 356 and later BJP led kalikho Pul was sworn in as chief minister of state.

2. Ans. B.

- **The 102nd constitutional amendment act, 2018** was related to Constitutional Status to National Commission for Backward Classes.

- Previously NCBC was a statutory body under the Ministry of Social Justice and Empowerment.

- The Commission consists of a Chairperson, Vice-Chairperson and three other Members in the rank & pay of Secretary to the Govt of India.

- This amendment act inserted Article 338B for ensuring constitutional status for NCBC

3. Ans. B.

- **Pirpur Committee was established by Muslim League in 1938.**

- It was established to prepare a detailed report regarding the atrocities of the congress ministries in **1937-1939**.

- The report submitted by this committee charged congress for interference with the religious rites, discriminate between Urdu and Hindi, denial of legitimate representation etc.

- This report was criticised by congress.

4. Ans. D.

Rani Durgawati was the queen of Gondwana fought against the Mughal Army to protect her sovereignty and freedom of her Kingdom.

- In 1542, Aman Das, ruler of Garh-Katanga married his eldest son Dalpati Shah with Rani Durgawati.

- Asaf Khan, the Mughal governor of Allahabad moved towards **Garh-Katanga** to conquer the area where he found Rani Durgawati not ready to bow down.

- She fought bravely but defeated. Once finding that she lost the battle and was in danger of being captured, she stabbed herself to death.

5. Ans. A.

- Torr is a unit of Pressure.

- The torr is not part of the International System of Units.

- The unit was named after Evangelista Torricelli, an Italian physicist and mathematician who discovered the principle of the barometer in 1644.

6. Ans. D.

- The Governor of the state appoints the Advocate General of states.

- Article 165 of the Indian Constitution is related to the Advocate General of states.

- The Advocate General is the highest law officer in the state.

- He is responsible to assist the state government in all its legal matters. He defends and protects the interest of the state government.

- The office of the Advocate General in state corresponds to the office of Attorney General of India.

7. Ans. C.

- * Pedology is defined as the science that studies the genesis, nature, distribution and use potentiality of soil resources.

- * It is one of two main branches of soil science, the other being edaphology

8. Ans. D.

- **Morarji Desai** was the first prime minister of India, who earlier served as chief minister of any state.

- He served as chief minister of erstwhile Bombay state from **1952-56**.

- There are total **six prime ministers** till date who earlier served as chief ministers of any state, those are as follow-

- o Morarji Desai – Bombay state CM

- o Choudhary Charan Singh – UP CM

- o VP Singh – UP CM

- o Narshima Rao – Andra Pradesh CM

- o HD Deva Gowda – Karnataka CM



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o Narendra Modi- Gujrat CM

9. Ans. D.

* A new festival "Namaste Orchha", is an initiative by the **Madhya Pradesh Tourism Board**.

* This three-day-long Namaste Orchha festival has been launched to promote the state as a leading tourism destination in India.

10. Ans. C.

* World Consumer Rights Day is observed on 15 March.

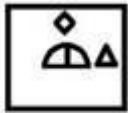
* The day aims to raise global awareness about consumer rights and needs.

* The observation World Consumer Rights Day was inspired by President John F Kennedy.

* The consumer movement was first marked in 1983 .

11. Ans. A.

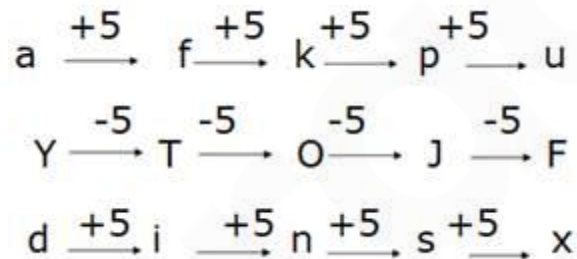
After carefully observing the figures given in the question, it is very clear that the answer figure(A) will be the next figure.



Hence, option A is the correct answer.

12. Ans. B.

Pattern is-

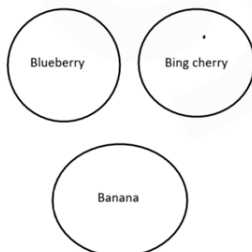


Hence, option B is the correct answer.

13. Ans. B.

Blueberry, Bing cherry and Bananas are three different kinds of fruits.

So, the best representation is



Hence, option B is the correct answer.

14. Ans. B.

As,

$$13 \times 5 = 65, 13 \times 9 = 117$$

Similarly,

$$15 \times 5 = 75, 15 \times 9 = 135$$

Hence, option B is the correct answer.

15. Ans. A.

Pattern is-

fgh / ghf / hfg / fgh / ghf / hfg

i.e.

fghghfghg / fghghfghg

Hence, Option A is the correct answer.

16. Ans. D.

The pattern is:

$$V+3=Y$$

$$V-4=R$$

$$T+3=W$$

$$T-4=P$$

$$R+3=U$$

$$R-4=N$$

$$P+3=S$$

$$P-4=L$$

Hence, option D is the correct answer.

17. Ans. A.

The pattern is: 2nd and 4th letter are same in the series

For 1st and 3rd letter it follows +3 patterns of the English alphabetical series.

For 1st letter

$$C+3=F$$

$$F+3=I$$

$$I+3=L$$

$$L+3=O$$

For 3rd letter

$$G+3=J$$

$$J+3=M$$

$$M+3=P$$

$$P+3=S$$

Hence, option A is the correct answer.

18. Ans. B.

Option (A).

$$15 \times 5 + 5 - 20 \div 10 = 15 \times 5 + 5 - 2 = 75 + 5 - 2 = 78$$

Option (B).

$$= 8 + 10 \times 3 \div 5 - 6 = 8 + 10 \times 3/5 - 6 = 8 + 6 - 6 = 8$$

Option (C).

$$= 6 - 2 \div 3 + 12 \times 3 = 6 - 2/3 + 36 = 42 - 2/3 = 124/3$$

Option (D).

$$= 3 + 7 \times 5 - 10 \div 3 = 3 + 7 \times 5 - 10/3 = 3 + 35 - 10/3 = 104/3$$

Hence, option B is the correct answer.

19. Ans. D.



81 K 9 Q 6 J 8 T 4 = ?

Substituting the sign in place of given letters

$$81 \div 9 + 6 \times 8 - 4$$

$$9 + 6 \times 8 - 4$$

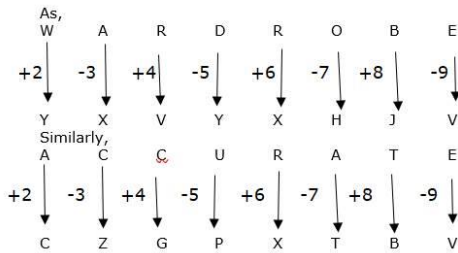
$$9 + 48 - 4$$

$$57 - 4 = 53$$

Hence, option D is the correct answer.

20. Ans. C.

Pattern is-



Hence, option C is the correct answer.

21. Ans. A.

The incorrectly spelt word is "Acquaitence" and its correct spelling is "acquaintance" which means a person known to one but usually not a close friend.

Let's understand the meaning of other words:-

Abandon = forsake, leave behind.

Alliance = the state of being allied or confederated.

Acquisition = the act of contracting, assuming or acquiring possession of something.

Hence, option A is the correct answer.

22. Ans. C.

Let's understand the meaning of the given words:

Suspect = to doubt or mistrust

Bewilder = to confuse someone

Puzzle = to confuse someone

Wonder = to feel great surprise at something and to get curious to know something

Here, wonder is the appropriate choice,

1) When someone sees a magic he feels surprised and get curious

2) Puzzle and bewilder are used with object but wonder is used without object
Hence, option C is the correct answer.

23. Ans. B.

Sentence B will be the first sentence as introduces the task that had to be performed by the Napoleon. Sentence A

will follow sentence B as it describes the condition of mountain range. Sentence D will follow sentence A as it shows the point of view and advice given by another person to Napoleon. Sentence C will follow sentence D as it shows the firmness of Napoleon.

Hence, option B is the correct answer.

24. Ans. A.

Let's understand the meaning of the given words:

Congeval: become semi-solid, especially on cooling

E.g.: The liquid *congealed* after we added the enzyme.

Solidify: make solid or more solid; cause to solidify

E.g.: The metal *solidified* when it cooled.

Extract: remove, usually with some force or effort; also used in an abstract sense

Disintegrate: break into parts or components or lose cohesion or unity

Hence, option A is the correct answer.

25. Ans. B.

S introduces the nouns "schools and colleges" and R talks about "these educational institutes", it means that SR is a pair. It is only present in option B. Hence option B is correct.

26. Ans. B.

Option B has the grammatically incorrect part. These two tenses are used to talk about things that happened in the past. However, we use past perfect to talk about something that happened before another action in the past, which is usually expressed by the past simple. The cake cutting ceremony happened first in the order; therefore, we will use past perfect tense here. Replace "has" with "had" to make the sentence grammatically correct.

27. Ans. B.

We use hello as a sign of hello. So, while converting to indirect speech hello will be converted to greeted. As the reported speech is in question form, said to will be converted to asked and as 'what' has been used, so no conjunction will be used because 'what' itself acts as a conjunction. Can will be converted to could. Imperative reported speech will be made in assertive form i.e. of subject +



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verb form. The 1st person pronoun will be changed according to the subject of the reporting speech i.e. I will be changed to he. The 2nd person pronoun will be changed according to the object of the reporting speech i.e. you will be changed to him. Hence, option B is the correct answer.

28. Ans. D.

$$P[5 \times 4 + 8 \times 3 + 3 \times 10] = 1850$$

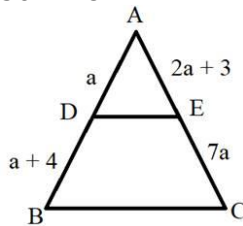
$$P[74\%] = 1850$$

$$P = (1850 \times 100) / 74 = \text{Rs.} 2500.$$

29. Ans. C.

$$\text{Required number} = \text{LCM} [3, 7, 18] = 126.$$

30. Ans. B.



In ΔABC , $DE \parallel BC$

$$\angle ADE = \angle ABC$$

$$\angle AED = \angle ACB$$

$$\Delta ABC \sim \Delta ADE$$

$$AD/DB = AE/EC \text{ (Thales theorem)}$$

$$a/(a+4) = (2a+3)/7a$$

$$7a^2 = 2a^2 + 11a + 12$$

$$5a^2 - 11a - 12 = 0$$

$$(a - 3)(5a + 4) = 0$$

$$a = 3, -4/5.$$

Since $a > 0$

Then $a = 3$.

31. Ans. B.

Let the number be x , $2x$ and $4x$

A.T.Q.

$$x^2 + 4x^2 + 16^2 = 1029$$

$$21x^2 = 1029$$

$$x^2 = 49$$

$$x = 7$$

$$\text{Required } 4x - x = 3x = 21.$$

32. Ans. C.

$$x^2 - 4x + 4 = 0$$

$$(x - 2)^2 = 0$$

$$x = 2$$

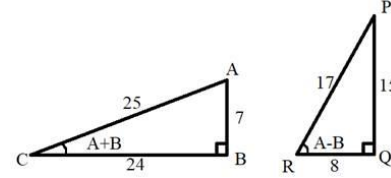
$$\left(x^4 - \frac{1}{x^4}\right) = 16 - 1/16 = 255/16.$$

33. Ans. C.

$$0 < A, B < 45^\circ, \cos(A + B) = \frac{24}{25} \text{ and } \sin$$

$$(A - B) = \frac{15}{17}$$

$$\tan 2A = \tan (A+B + A-B)$$



In ΔABC ,

$$\cos(A + B) = B/H = 24/25$$

$$P^2 = H^2 - B^2 = 25^2 - 24^2$$

$$P = 7$$

$$\tan (A + B) = 7/24$$

Similarly, in ΔPQR ,

$$\tan (A - B) = 15/8$$

$\tan 2A$ can be written as $\tan [(A + B) + (A - B)]$

$$\tan 2A = \frac{\tan (A + B) + \tan (A - B)}{1 - \tan (A + B) \tan (A - B)}$$

$$= \frac{\frac{7}{24} + \frac{15}{8}}{1 - \frac{7}{24} \cdot \frac{15}{8}}$$

$$= \frac{7 + 45}{24 - 105}$$

$$= \frac{52}{192}$$

$$= \frac{13}{48}$$

$$= \frac{13}{48}$$

$$= \frac{13}{48}$$

$$= \frac{13}{48}$$

$$= \frac{13}{48}$$

$$= \frac{13}{48}$$

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$$= \frac{13}{48}$$

$$= \frac{13}{48}$$



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$$\therefore 2A + 60^\circ = 150^\circ \text{ [As } \sin x = \sin (180^\circ - x) \text{]}$$

$$\therefore A = 45^\circ$$

Again, from equation (i),

$$\sin(C - A) = 1/2$$

$$\text{or, } C - A = 30^\circ$$

$$\text{or, } C - 45^\circ = 30^\circ$$

$$\therefore C = 75^\circ$$

Hence, we have **A = 45°, B = 60°, C = 75°.**

35. Ans. C.

Shenaz \rightarrow Rs A @ 7% CI \rightarrow Ayesha \rightarrow Rs A + B @ 12% CI \rightarrow Zoya

Shenaz \leftarrow 7% A \leftarrow Ayesha \leftarrow 12% A + 12% B \leftarrow Zoya

Ayesha receives 12% of A + B from Zoya as interest, from which she pays the interest of 7% of A to Shenaz

So, Ayesha would gain 5% of A + 12% of B as interest and Shenaz would gain 7% interest

Its given that both the interest values are same, so

$$5\% A + 12\% B = 7\% A$$

$$\Rightarrow 2A = 12B$$

$$\Rightarrow A = 6B \text{ (i)}$$

It's also given that, if Ayesha lend Rs. A + 3B to Zoya at 12% interest, the net interest reserve would increase by Rs. 240

So, the increase in 2B at 12% B accounts to Rs. 240

or, $2 \times 12\% B$ accounts for Rs. 240

$$\text{or, } 2 \times 12\% B = 240$$

$$\Rightarrow B = \text{Rs. } 1000$$

Substituting the value in eq.(i), we get

$$\Rightarrow 2A = 12 \times 1000$$

$$\Rightarrow A = 6000$$

$$\text{So, } A + B = 6000 + 1000 = \text{Rs. } 7000$$



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