

# 21-Days Study Plan (Day 1)



1. With which sport is the Indian player Neeraj Chopra associated?

- A. Boxing  
B. Swimming  
C. Javelin Throw  
D. Billiards

Ans. C

Sol.

- **Neeraj Chopra is an Indian track and field athlete.** He also competes in the javelin throw.
- He represented India at the 2018 Asian Games where he won a gold medal. He also clinched the gold medal in 2018 Commonwealth Games.
- He was the 2016 IAAF World U20 champion. He was selected as the flag-bearer at the opening ceremony for India at the 2018 Asian Games.
- He also represent India at the IAAF Diamond League.

2. From which country, the process of impeachment of President of India is taken?

- A. UK  
B. USA  
C. Australia  
D. Canada

Ans. B

Sol. The process of **impeachment of President of India** is taken from constitution of **USA**. Some other features taken from USA constitution are - fundamental rights, preamble, supreme court, office of vice president, independence of judiciary e.t.c.

3. Shimla agreement was signed by?

- A. Morarji Desai  
B. Jawahar Lal Nehru  
C. Lal Bahadur Shastri  
D. Indira Gandhi

Ans. D

Sol.

- The Simla Agreement was signed by Prime Minister Indira Gandhi and President Zulfikar Ali Bhutto of Pakistan on 2nd July 1972.
- It was a mutual commitment to the peaceful resolution of all issues through direct bilateral approaches.

4. Blood Circulation was discovered by \_\_\_\_\_.

- A. Mary Anderson  
B. Virginia Apgar  
C. William Harvey  
D. Robert Feulgen

Ans. C

Sol.

- **Blood Circulation was discovered by William Harvey.**
- The circulatory system is an organ system that permits blood to circulate and transport nutrients.

5. Which battle won against Siraj-ud-Daulaah compelled the Nawab to concede all the demand?

- A. Battle of Buxar  
B. Battle of Plassey  
C. Battle of Panipat  
D. Battle of Haldighati

Ans. B

Sol.

- Battle of Plassey - English won the battle against Siraj-ud-Daula and compelled the Nawab to concede all the demand.
- The **Battle of Plassey** was a decisive victory of the British East India Company over the Nawab of Bengal and his French allies on 23 June 1757.
- The battle was preceded by the attack on British-controlled Calcutta by **Nawab Siraj-ud-daulah** and the Black Hole massacre.



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6. The tomb of which Mughal ruler contains the first example of the double dome in India?

- A. Akbar's tomb
- B. Humayun's tomb
- C. Babur's tomb
- D. Aurangzeb's tomb

Ans. B

Sol. • **Humayun's tomb** in Delhi is one of the finest examples of tomb architecture in which the use of a double dome was seen for the first time.

- **A double dome** comprises an inner and outer layer.
- **The** ceiling is placed lower in such a way that the proportion of the exterior is not disturbed.
- **The tomb** is **octagonal** in shape and rises into two storeys.

The attempts in the direction of Double Dome started with the tomb of Taj Khan (1501 ) and the tomb of Sikandar Lodi (1518), both in Delhi. However, the fully mature form of the double dome is seen, for the first time in India in the tomb of Humayun.

7. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

2, 4, 13, 41, 106, ?

- A. 172
- B. 191
- C. 219
- D. 232

Ans. D

Sol. Here difference of two number is one more than cube of position of 1<sup>st</sup> number,

$$4 - 2 = 1^3 + 1$$

$$13 - 4 = 2^3 + 1$$

$$41 - 13 = 3^3 + 1$$

$$106 - 41 = 4^3 + 1$$

$$x - 106 = 5^3 + 1, x = 106 + 126 = 232$$

Hence, the correct option is D

8. In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

**Statement:**

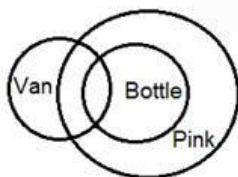
- I. Some Van are Bottle
- II. All Bottles are Pink

**Conclusions:**

- I. All Van are Pink
- II. All bottles are Van
- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Neither conclusion I nor conclusion II follows

Ans. D

Sol. Possible Venn-diagram of the given sentences is -



**Conclusions:**

- I. All Van are Pink - (false) - As the circles of van and pink are not overlapping.
  - II. All bottles are Van - (false) - As the circles of bottle and van are not overlapping.
- Thus, neither conclusion (I) nor (II) follows.

**9. Four pairs of numbers have been given, out of which three are alike in some manner, while one is different. Choose out the odd one.**

- A. 321 : 213 : 123
- B. 432 : 324 : 231
- C. 798 : 897 : 798
- D. 564 : 645 : 456

Ans. B  
Sol.

Except number pair (432 : 324 : 231), in all other options the digits within the number changing its position in each related number keeping the sum of the digits as same in all three numbers in an given option.  
Hence, the correct option is B.

**10. Rahul is three times as old as Geetika. After 5 years he will be two times as old as Geetika. After further 3 years what will be Rahul's age?**

- A. 35 years
- B. 25 years
- C. 22 years
- D. 23 years

Ans. D  
Sol.

Let the present age of Geetika = y years  
So, the present age of Rahul = 3y years

After 5 years,  
age of Geetika = (y+5) years  
age of Rahul = (3y+5) years

ATQ,

$$2(y+5) = 3y + 5$$

$$2y + 10 = 3y + 5$$

$$3y - 2y = 10 - 5 \Rightarrow y = 5$$

After further 3 years Rahul's age:

$$= 3y + 5 + 3 = (3 \times 5) + 5 + 3$$

$$= 15 + 5 + 3 = 23 \text{ years}$$

Hence, option D is correct.

**11. Direction:** The table below shows the information about bats manufactured by 6 different companies. Each company manufactures only plastic and wooden bats. Each company labels these bats as Brand A or Brand B. The table shows the number of plastic bats as a percentage of total bats manufactured by each company. It also shows the ratio of wooden bats labeled A and B. Each company manufactured a total of 550000 bats.

Company	Plastic bats	Brand A : Brand B
R	55%	21:4
S	70%	8:7
T	45%	6:19
U	75%	41:14
V	60%	7:15
W	40%	5:6



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What is the total number of wooden bats of brand A manufactured by company T?

- A. 23420
- B. 22990
- C. 68920
- D. 72600

Ans. D

Sol. Total number of wooden Bats manufactured by company

$$T = (100 - 45)\% \text{ of } 550000 = 302500$$

Total number of wooden bats of brand A manufacture by company

$$T = \frac{6}{25} \times 302500 = 72600$$

12. N=Wooden bats of Brand B manufactured by U.

M=Total wooden bats manufactured by R and W together What is the value of N/M?

- A. 0.043
- B. 0.061
- C. 0.125
- D. 0.087

Ans. B

$$\text{Sol. } N = \frac{14}{14+41} \times (25\% \text{ of } 550000) = \frac{14}{55} \times \frac{1}{4} \times 550000 = 35000$$

$$M = \frac{45}{100} \times 550000 + \frac{60}{100} \times 550000 = 577500$$

$$\text{Required ratio} = 35000/577500 = 0.061$$

13. P=Sum of wooden bat of Brand B manufactured by S and wooden bats of Brand A manufactured By W.

Q=Difference of Brand B wooden Bats and Brand A wooden bats manufactured By U.

What is the value P-Q?

- A. 67500
- B. 177700
- C. 159500
- D. 123500

Ans. C

Sol.

$$P = \frac{7}{15} \times \frac{30}{100} \times 550000 + \frac{5}{11} \times \frac{60}{100} \times 550000 = 77000 + 150000 = 227000$$

$$Q = \frac{1}{4} \times \frac{27}{55} \times 550000 = 67500$$

$$\text{So required difference} = 227000 - 67500 = 159500$$

$$\text{So } P - q = 159500$$

14. Taking all 6 companies together, how many wooden bats Brand A have been Produced?

- A. 691000
- B. 724000
- C. 683000
- D. 716000

Ans. A

Sol. Total number of wooden bats of brand A produced=

$$550000 \left( \frac{21}{25} \times \frac{45}{100} + \frac{8}{15} \times \frac{30}{100} + \frac{6}{25} \times \frac{55}{100} + \frac{41}{55} \times \frac{25}{100} + \frac{7}{22} \times \frac{40}{100} + \frac{5}{11} \times \frac{60}{100} \right)$$

$$= 5500 \left( \frac{6910}{55} \right) = 691000$$



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15. X=Average of plastic bats manufactured by V,U and T  
Y = Wooden bats of Brand A manufactured By V.

What is the value X-Y?

- A. 197600  
B. 260000  
C. 26000  
D. 293300

Ans. B

$$\text{Sol. } X = \frac{60+75+45}{3} \times \frac{1}{100} \times 550000 = 60 \times 5500 = 330000$$

$$Y = \frac{7}{22} \times \frac{40}{100} \times 550000 = 70000$$

$$X-y=260000$$

16. The table given below shows the number of applicants who have applied for exam at various centres as percentage of total number of applicants. The table also shows the number online applicants and absent applicants as a percentage of total applicants of each centre. Total number of applicants is 1200000.

Exam centre	Total applicants	Online applicants	Absent applicants
F	15%	30%	36%
G	25%	44%	25%
H	20%	52%	32%
J	24%	46%	18%
K	16%	38%	20%

If A equals to 15% of total applicants who are present at exam centre F and B equals to present applicants at exam centre K, then A is what percent of B?

- A. 18.18  
B. 11.25  
C. 13.33  
D. 14.28

Ans. B

$$\text{Sol. } A = 15\% \text{ of total} \times 15\% \times 64\%$$

$$B = \text{total} \times 16\% \times 80\%$$

$$\frac{A}{B} \times 100 = \frac{T \times 15 \times 15 \times 64}{T \times 16 \times 80 \times 100} \times 100$$

$$= 11.25\%$$

17. Total number of offline applicants from exam centre H, K and F are how much less than the total number of present applicants from exam centre G and J?

- A. 111420  
B. 100920  
C. 127370  
D. 109990

Ans. B

$$\text{Sol. } H + K + F = \frac{T}{10000} (20 \times 48 + 16 \times 62 + 15 \times 70)$$

$$G + J = \frac{T}{1000} (25 \times 75 + 24 \times 82)$$

Required

$$120\{(1875 + 1968) - (960 + 992 + 1050)\} = 100920$$



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18. What are the total number of offline applicants from the exam centre F, H, J and G?

- A. 393720  
B. 963000  
C. 564720  
D. 428540

Ans. C

Sol. Required

$$\frac{T}{10000}[(15 \times 70 + 20 \times 48 + 24 \times 54 + 25 \times 56)]$$
$$= 120(1050 + 1400 + 960 + 1296)$$
$$= 120 \times 4706 = 564720.$$

19. What is the ratio of total number of present applicants from exam centre K to total number of offline applicants from exam centre J?

- A. 40 : 41  
B. 80 : 81  
C. 10 : 9  
D. 7 : 11

Ans. B

Sol.

$$\frac{\text{present applicants at K}}{\text{offline applicants from J}} = \frac{\text{total} \times 16 \times 80}{\text{total} \times 24 \times 54}$$
$$= 80 : 81$$

20. What are the total number of present applicants from exam centre H and G together?

- A. 238200  
B. 151800  
C. 388200  
D. 442650

Ans. C

Sol. Required

$$T[25\% \times 75\% + 20\% \times 68\%]$$
$$= \frac{T}{10000}(1875 + 1360) = 120 \times 3235 = 388200.$$

21. Read the following passage and fill in each blank with words chosen from options given.

The symbolism of Sunday's spectacle, though, went way beyond the result. Everything about the setting at the Melbourne Cricket Ground seemed just about right. Played on International \_\_\_\_\_ (1) it saw Australia, a pioneering country in women's sport, meet India, a driving force of world cricket. The legendary tennis player and women's equality crusader Billie Jean King \_\_\_\_\_ (2) in the stands, as a near-capacity crowd — 86,174 to be precise — \_\_\_\_\_ (3) the players on while a country of more than a billion were glued to their television sets. The attendance was the \_\_\_\_\_ (4) for any women's sporting event in Australia and it proved that a standalone women's competition can be a resounding \_\_\_\_\_ (5) if marketed and executed well. It was best captured in the words of Alyssa Healy, the player of the final, who said: "You couldn't have wiped the smile off my face, even if we had lost this game."

Select the most appropriate option to fill in the blank No.1

- A. men's day  
B. women's day  
C. Sunday  
D. peace day

Ans. B



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Sol.

As we can clearly see that the above passage is about final of women's world cup 2020 which was held on 8 march. Out of four alternatives Option B is the correct answer according to the sense of the passage.

22. Select the most appropriate option to fill in the blank No.2

- A. was  
B. were  
C. is  
D. had been

Ans. A

Sol.

As the verb in the question sentence must agrees with the noun which is singular ( Billie Jean King ) and also the whole passage is in the past tense. Therefore **was** is the correct form of verb which agrees with the noun in the question. Hence, option A is the correct answer.

23. Select the most appropriate option to fill in the blank No.3

- A. discouraged  
B. censured  
C. cheered  
D. flouts

Ans. C

Sol.

let us understand the meaning of the given words.

Discourage: to stop somebody doing something

Censure: to tell somebody, in a strong way that he/she has done something wrong

Cheer: to shout to show that you like something or to encourage somebody

Flout: open disregard

Clearly from the above passage, spectators were there in the stadium to cheer the players. Hence, option C is the correct answer.

24. Select the most appropriate option to fill in the blank No.4

- A. highest  
B. higher  
C. lowest  
D. lower

Ans. A

Sol.

highest is the superlative degree of high and higher is the comparative degree of high. As the passage conveys that there was capacity packed crowd. Also Fill (D) is followed by the article 'the', therefore option A is the correct answer as usually Superlative degree is followed by the article the.

25. Select the most appropriate option to fill in the blank No.5

- A. rout  
B. fiasco  
C. impiety  
D. success

Ans. D

Sol.

Let us understand the meaning of the following words.

Rout: to defeat somebody completely

Fiasco: an event that does not succeed

Impiety: lack of piety or reverence

Success: the accomplishment of an aim or purpose

Clearly from the passage women's world cup event was a huge success. Therefore Option D is the correct answer.



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26. Read the following passage and fill in each blank with words chosen from options given. Marine Conservation Society is hosting the Anjarle Turtle festival 2019, aiming to make more people aware about Olive Ridley turtles. The sea \_\_\_\_\_ (1) get their names from their olive-coloured \_\_\_\_\_ (2). They grow to about two feet in \_\_\_\_\_ (3) and reportedly mate at around 1000 kilometers from the Anjarle \_\_\_\_\_ (4). These turtles come to the beach to lay \_\_\_\_\_ (5).

Select the most appropriate option to fill in the blank No.1

- A. fish
- B. animal
- C. snakes
- D. turtles

Ans. D

Sol.

The passage is about 'turtles'. Hence, **option D** is the correct answer.

27. Select the most appropriate option to fill in blank No.2

- A. shells
- B. wings
- C. beaks
- D. feathers

Ans. A

Sol.

The blank should contain a word which is found in water bodies or aquatic animals/birds. '**Shells**' meaning 'the hard outer covering of something, especially nuts, eggs, and some animals' is the apt fit for the blank.

Hence, **option A** is the correct answer.

28. Select the most appropriate option to fill in blank No.3

- A. length
- B. depth
- C. weight
- D. growth

Ans. A

Sol.

'Feet' is the measure of length. Hence, **option A** is the correct answer.

29. Select the most appropriate option to fill in blank No.4

- A. beach
- B. festival
- C. sea
- D. sand

Ans. A

Sol.

'**Beach**' meaning 'a pebbly or sandy shore, especially by the sea between high- and low-water marks' is the apt fit for the blank.

Hence, **option A** is the correct answer.

30. Select the most appropriate option to fill in blank No.5

- A. eggs
- B. pebbles
- C. shells
- D. young ones

Ans. A

Sol.

'To lay' means '(of a female bird, insect, reptile, or amphibian) to produce (an egg) from inside the body'. Hence, **option A** i.e. 'eggs' is the apt fit for the blank.

Hence, **option A** is the correct answer.



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31. Read the following passage and fill in each blank with words chosen from options given. Makara Sankranti, when the earth begins to get \_\_\_\_\_(1) the sun, the cold winter begins to yield \_\_\_\_\_(2) delightful spring. Basant Panchami marks the \_\_\_\_\_(3) of Basant or spring, when it \_\_\_\_\_(4) time for every bush and bower to spring to life with blooms and \_\_\_\_\_(5) colour and fragrance, vibrant as sparklers in festive display.

Select the most appropriate option to fill in blank No.1

- A. nearest to
- B. closer to
- C. farther to
- D. come to

Ans. B

Sol.

For the given passage, it talks about the festival "makara sankranti" which comes when earth gets closer or nearer to sun. Thus, most appropriate for the given blank will be "closer to". Hence, option B best fits in the given blank.

32. Select the most appropriate option to fill in blank No.2

- A. of
- B. on
- C. to
- D. for

Ans. C

Sol.

For the given passage, the appropriate preposition needs to be filled in the given blank is "to". For "yield", means be the cause or source of something, "to" is the most apt preposition.

Hence, option C best fits in the given blank.

33. Select the most appropriate option to fill in blank No.3

- A. ending
- B. starting
- C. creating
- D. beginning

Ans. D

Sol.

In the given passage, the starting of the festival "Basant Panchami" has been mentioned. So, "creating" and "ending" is not appropriate in context to passage. The most appropriate option here is "beginning" means the event consisting of the start of something.

Hence, option D best fits in the given blank.

34. Select the most appropriate option to fill in blank No.4

- A. is
- B. was
- C. will
- D. had

Ans. A

Sol.

The given passage talks about a festival - Makar Sankranti. The given passage is a general one and uses simple present tense. Hence, the only word that will fit the blank is "is". Hence, option A best fits in the given blank.

35. Select the most appropriate option to fill in blank No.5

- A. bursts on
- B. bursts for
- C. bursts of
- D. burst in

Ans. C

Sol.

In the given passage, the noun that needs to be filled in the blank should be in plural form that is "bursts". The appropriate preposition is "of", bursts of colour means an area of a bright colour. Hence, option C best fits in the given blank.



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