INSTA 75 Days REVISION PLAN
UPSC Prelims 2020

INSTA Tests
CSAT (1-10)

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1. A group of men could do a piece of work in 18 days. However, 6 men left the group before the work began and the remaining men in the group completed the work in 20 days. What was the original size of the group?
   (a) 60
   (b) 120
   (c) 48
   (d) 72

2. A water tank is 2/5 th full. Pipe A can fill a tank in 10 minutes and pipe B can empty in 6 minutes. If both the pipes are open, how long will it take to empty or fill the tank completely?
   (a) 6 min to empty
   (b) 7 min to full
   (c) 6 min to full
   (d) 7 min to empty

3. A and B together can do a work in 8 days, B and C together in 6 days, while C and A together in 10 days. If they all work together, the work will be completed in how many days?
   (a) 250/47
   (b) 230/37
   (c) 240/47
   (d) 240/57

4. Which of the following is the most logical, critical and rational inference that can be drawn from the above passage?
   (a) Cycle of hunger can be broken only by improving food production and distribution
   (b) The presence of hunger remains a global shame
   (c) Climate change, extreme weather events and global conflicts remain the primary cause of hunger
   (d) Humanitarian aid is a necessary but not a sufficient condition for addressing global hunger

Directions for the following (one) item:
Read the following passage and answer the item that follow. Your answer to this item should be based on the passage only.

Governments need to be generous in supporting international humanitarian agencies, whether with food or funds. Stepping-up supply of food to countries worst-hit by the hunger crisis is necessary. While this will help ease the symptoms of the crisis, it will not address its underlying causes. The latter is necessary to address the problem of food insecurity in the world. Humanitarian food aid is important but simultaneously, we need to put in place medium and long-term strategies to address conflict and climate shocks.
5. 15 men take 20 days to complete a work working 8 hours a day. How many number of hours a day should 20 men take to complete the work in 12 days?
   (a) 15 hours
   (b) 10 hours
   (c) 20 hours
   (d) 12 hours

6. A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in?
   (a) 6 days
   (b) 5 days
   (c) 10 days
   (d) 10.5 days

7. Aman can complete a piece of work in 5 days, but with the help of his son he can finish the same piece of work in 3 days. Find the time taken by the son alone to complete the work?
   (a) 6 days
   (b) 7 days
   (c) 9 days
   (d) 7.5 days

8. Which among the following is the **most logical and essential message** conveyed by the above passage?
   (a) We need to change the current approach to disaster aid
   (b) Primary health management is critical in areas affected by natural disasters
   (c) Poverty has a huge bearing on the impact of environmental disasters
   (d) None of the above

9. Three taps A, B and C can fill a tank in 12, 15 and 20 hours respectively. If A is opened all the time and B and C are opened one hour each alternatively, the tank will be full in:
   (a) 4
   (b) 4.5
   (c) 5
   (d) 7

10. If a pipe A can fill a tank 3 times faster than pipe B. If both the pipes can fill the tank in 32 minutes, then the slower pipe alone will be able to fill the tank in?
    (a) 128 minutes
    (b) 124 minutes
    (c) 154 minutes
    (d) 168 minutes
11. A, B and C together earn Rs.300 per day, while A and C together earn Rs.188 and B and C together earn Rs.152. The daily earning of C is?

(a) Rs.40
(b) Rs.80
(c) Rs.68
(d) Rs.150

12. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs.3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

(a) Rs.600
(b) Rs.400
(c) Rs.375
(d) Rs.800

13. A and B together can complete a work in 12 days. A alone can complete it in 20 days. If B does the work only for half a day daily, then in how many days A and B together will complete the work?

(a) 10 days
(b) 20 days
(c) 15 days
(d) 11 days

14. Which among the following is the most critical and rational inference that can be drawn from the above passage?

(a) Climate change will increase risk of vector-borne diseases
(b) With climate change, lifestyle diseases will no longer remain a threat
(c) Prevention is always superior to reaction
(d) The world remains ill-prepared for the health impacts that come with increasing temperatures and extreme weather events.

15. A, B and C can do a piece of work in 11 days, 20 days and 55 days respectively, working alone. How soon can the work be done if A is assisted by B on odd days and C on even days?

(a) 7 days
(b) 8 days
(c) 9 days
(d) 10 days
16. 9 kids can finish a bit of work in 360 days. 18 men can finish the same work of piece in 72 days and 12 ladies can finish it in 162 days. In how long can 4 men, 12 ladies and 10 kids together finish the bit of work?

(a) 68 days  
(b) 81 days  
(c) 96 days  
(d) 124 days

17. 4 men and 6 women complete a piece of work in 8 days while 3 men and 7 women complete it in 10 days. In how many days 10 women can finish the work?

(a) 24 days  
(b) 32 days  
(c) 36 days  
(d) 40 days

18. A works twice as fast as B. If two can together complete a bit of work in 12 days, then B alone can do it in:

(a) 24 days  
(b) 27 days  
(c) 36 days  
(d) 48 days

19. In one minute $\frac{3}{7}$ of a tank is filled. How much time will it take to fill the remaining part of the tank?

(a) 2 min  
(b) $\frac{4}{3}$ min  
(c) $\frac{7}{3}$ min  
(d) $\frac{1}{3}$ min

20. Which of the following option(s) is/are valid statement(s) that support the emphasis on adaptation as suggested in the passage?

1. At present, more than 7 million deaths occur worldwide every year due to air pollution.
2. In 2017, the world had 124 acutely hungry people
3. Epidemics such as cholera, dengue and extreme weather events such as heat waves and floods have increased

Select the correct code from below:

(a) 1 and 2 only  
(b) 2 and 3 only  
(c) 1 and 3 only  
(d) 1, 2 and 3

21. A man travels a distance of 12 km at 3 km/hr, another distance of 12km at 4 km/hr and a third distance of 12km at 6 km/hr. His average speed for the whole journey is:

(a) 5 km/hr  
(b) 4.33 km/hr  
(c) 4 km/hr  
(d) 6 km/hr
22. A boat sails 6 km/hr in still water, however it takes thrice as much time in going the same at distance against the current when compared to the direction of the current. Find the speed of the current?

(a) 3km/hr  
(b) 4km/hr  
(c) 2km/hr  
(d) 5km/hr

Directions for the following (one) item:

Read the following passage and answer the item that follow. Your answer to this item should be based on the passage only.

The two criteria that an innovator must satisfy are whether the innovation or invention adds to existing technical knowledge and whether it is inventive enough. Patent filings are seen as a measure of the spread of science and technology in a country. Patent protection also provides monopoly rights to the inventor.

23. A boat takes 26 hours for travelling downstream from point A to point B and coming back to point C midway between A and B. If the velocity of the stream is 4 km/hr and the speed of the boat in still water is 10 km/hr, what is the distance between A and B?

(a) 210km  
(b) 185km  
(c) 140km  
(d) 168km

24. Tina goes to school from her house at a speed of 3 km/hr and returns at a speed of 2 km/hr. If she takes 5 hours in total, then what is the distance between her house and school?

(a) 6 km  
(b) 7 km  
(c) 5 km  
(d) 6.5 km

25. Which of the following is the most crucial and logical inference that can be made from the above passage?

(a) Enforcement of IPR is critical for boosting research and development in a country  
(b) There are several patent claims which fail the claim of patentability  
(c) The filing of patents does not automatically guarantee the patent rights  
(d) None of the above

26. Amit can row 8 km/hr in still water. If the river is flowing at 4 km/hr, it takes 1.5 hours to row to a place and back. How far is the place?

(a) 4.5 km  
(b) 5.5 km  
(c) 4 km  
(d) 3.5 km
27. A train passes two persons walking in opposite direction at a speed of 5 m/s and 10 m/s in 6 seconds and 5 seconds respectively. Find the length of the train?
(a) 140 m
(b) 150 m
(c) 160 m
(d) 120 m

28. A man covers a distance via auto driving at 70 km/hr and returns back to the beginning point riding on a bike at 55 km/hr. What is his average speed for the entire trip?
(a) 62.6 km/hr
(b) 61.6 km/hr
(c) 60.6 km/hr
(d) 59.6 km/hr

29. How much time will a train 171 m long take to cross a bridge 229 m long, if it is running at a speed of 45 kmph?
(a) 40 sec
(b) 35 sec
(c) 32 sec
(d) 30 sec

30. Which among the following is the most logical, rational and critical inference that can be made from the above passage?
(a) Agricultural policies in India have prioritized productivity in place of sustainability
(b) Agricultural policies in India have favoured small and marginal farmers over the bigger farmers
(c) Agricultural policies in India have favoured large farmers over small and medium farmers
(d) Agricultural policies in India leave a lot to be desired

31. The ratio between the speeds of two trains is 7 : 8. If the second train runs 400 kms in 4 hours, then the speed of the first train is :
(a) 70 kmph
(b) 75 kmph
(c) 84 kmph
(d) 87.5 kmph
32. A truck covers a distance of 550 meters in 1 minute whereas a bus covers a distance of 33 kms in 45 minutes. The ratio of their speeds is:
   (a) 3:4
   (b) 4:3
   (c) 3:5
   (d) 50:3

33. Reena runs 9 km at a pace of 6 km/hr. At what pace would she have to go amid the following 1.5 hours to have an average speed of 9 km/hr for the whole running session?
   (a) 9 km/hr
   (b) 10 km/hr
   (c) 12 km/hr
   (d) 14 km/hr

34. How long will a boy take to run round a square field of side 35 metres, if he runs at the rate of 9 km/hr?
   (a) 50 sec
   (b) 52 sec
   (c) 54 sec
   (d) 56 sec

35. Which is the most critical and rational inference that can be made from the above passage?
   (a) Ayushman Bharat takes India closer to the goal of Universal health coverage
   (b) While the objective of Ayushman Bharat is laudable, there are glitches in the scheme that need correction
   (c) Health insurance for families is the way ahead if we want to achieve the aim of Universal Health coverage
   (d) None of the above

36. Two, trains, one from Mumbai to New Delhi and the other from New Delhi to Mumbai, start simultaneously. After they meet, the trains reach their destinations after 9 hours and 16 hours respectively. What is the ratio of their speed?
   (a) 5:4
   (b) 4:3
   (c) 3:2
   (d) 2:1
37. If a train travels at 60 km/hr from Bangalore to Hyderabad and at 80 km/hr on return trip from Hyderabad to Bangalore. What is its average speed for the entire trip?

(a) 70 km/hr  
(b) 65.5 km/hr  
(c) 68.5 km/hr  
(d) 75 km/hr

38. Two trains of lengths 150 m and 180 m respectively are running in opposite directions on parallel tracks. If their speed is 50 km/hour and 58 km/hour respectively. In how much time will they cross each other?

(a) 11 seconds  
(b) 15 seconds  
(c) 22 seconds  
(d) 9 seconds

39. Amit covers one-fourth of the total distance at 20 kmph, one-fourth at 10 kmph and rest of his journey at 80 kmph. Find Amit’s average speed for the whole distance?

(a) 22.85 kmph  
(b) 32 kmph  
(c) 30 kmph  
(d) 40 km/hr

40. Which of the following is the most logical and critical inference that can be drawn from the passage?

(a) WTO and World Bank have taken several steps to fix the situation with respect to migrant rights  
(b) Global treaties related to protect the rights of migrants have served mostly the interest of capital  
(c) ILO has failed to take adequate steps to protect the rights of migrants  
(d) None of the above
41. A started a business with a capital of 10,000 rupees and four months later B joined him with a capital of Rs 5000. How much A gets more than B in the profit, if the total profit at the end of the year is Rs 2000.

(a) Rs 1500
(b) Rs 1000
(c) Rs 500
(d) Rs 666.67

42. A zoo consists of only Tigers and Lions. The number of tigers in a zoo is three times the number of lions. Which one of the following numbers cannot represent the total number of animals in the zoo?

(a) 48
(b) 42
(c) 44
(d) 40

43. If Rahul played 25 singles badminton matches and won 17 out of these. If there were no tied or drawn matches, then what is the ratio of the number of matches won by Rahul to the number of matches he lost?

(a) 25:17
(b) 17:25
(c) 8:17
(d) 17:8

44. Present ages of Sameer and Anand are in the ratio of 5:4 respectively. Three years hence, the ratio to their ages will become 11:9 respectively. What is Anand’s present age in years?

(a) 24
(b) 27
(c) 40
(d) cannot be determined

Directions for the following (one) item:

Read the following passage and answer the item that follow. Your answer to this item should be based on the passage only.

Individuals, groups and leaders who promote human development operate under strong institutional, structural and political constraints that affect policy options. But experience suggests broad principles for shaping an appropriate agenda for human development. One important finding from several decades of human development experience is that focusing exclusively on economic growth is problematic. While we have good knowledge about how to advance health and education, the causes of growth are much less certain and growth is often elusive. Further, an unbalanced emphasis on growth is often associated with negative environmental consequences and adverse distributional effects. The experience of China, with its impressive growth record, reflects these broader concerns and underlines the importance of balanced approaches that emphasize investments in the non-income aspects of human development.
45. With reference to the above passage, consider the following statements:

1. In developing countries, a strong institutional framework is the only requirement for human development and policy options
2. Human development and economic growth are not always positively inter-related.
3. Focusing only on human development should be the goal of economic growth

Which of the above statements is/are correct?
(a) 1 and 3 only
(b) 2 and 3 only
(c) 1 and 2 only
(d) 2 only

46. A mixture of 150 liters of wine and water contains 20% water. How much more water should be added so that water becomes 25% of the new mixture?
(a) 10 litres
(b) 12 litres
(c) 15 litres
(d) 8 litres

47. Two equal vessels A and B contain 60% of sugar and 40% of sugar respectively and the remaining Rava. In which 40 litres of mixture is taken out from vessel A and replaced into vessel B. Find the initial quantity of vessel if the final ratio of sugar and Rava in vessel B is 16 : 19?
(a) 80 litres
(b) 100 litres
(c) 120 litres
(d) 90 litres

48. In what ratio should two varieties of sugar of Rs.18 per kg and Rs.24 kg be mixed together to get a mixture whose cost is Rs.20 per kg?
(a) 1:3
(b) 1:2
(c) 2:1
(d) 3:1

49. There are two containers P and Q. P contains 56 kg of salt and Q contains 36 kg of sugar. From P 24 kg of salt is taken out and poured into Q. Then 20kg of the mixture from Q is taken out and poured into P. Find the ratio of final quantity of salt to sugar in container P.
(a) 5/3
(b) 8/3
(c) 4/3
(d) 10/3
Directions for the following (one) item:

Read the following passage and answer the item that follow. Your answer to this item should be based on the passage only.

Many people in India feel that if we cut our defence expenditure on weapon-building, we can create a climate of peace with our neighbours, subsequently reducing the conflict or creating a no-war situation. People who proclaim such ideas are either the victims of war or the propagators of false argument.

50. With reference to the above passage, which of the following is the most valid assumption?

(a) Building of weapons systems by us has instigated our neighbours to wage wars against us.

(b) The greater spending on weapon-building by us would lessen the possibility of armed conflict with our neighbours.

(c) It is necessary to have state of the art weapons systems for national security.

(d) Many people in India believe that we are wasting our resources on weapon-building.
TESTIMONIALS

INSTA 75 Days REVISION PLAN for Prelims 2020 - InstaTests

Yishal Mishra - 3 days ago

Thanks....

One point from your side...
Which I learn from insights.
Insta/test realise your weak area.
Know them.
Make strong them
And
Fight back
We are in war zone.
Your weakness will through you out
Get up and fight
Final is on 31 st may.
http://disq.us/p/282pbo8

Sriga - 3 days ago

Thank you insights for inspiring and holding our hand in this great journey...hope we make use of your effort and lest till the end as a matter of gratitude...plz keep going with your work and inspiring us:) 
http://disq.us/p/2839b2u

WARRIOR Sanyam - an hour ago

Coret 17/25
Time 23 min
I usually don’t post much but here I am today for u @Insights.
When I was in colg I got to now about ur website during artho m/sg.
motivation talk.She has all clg praise for u. Not frm den nd till today I am a daily visitor of ur website. I had been following it since approx 2016 when I started my preparation. Ur selfless, up-to mark quality content nor made me feel to go to delhi regarded as hub of upsc preparation ( I’m frm agra). U made me a bitter person today. Ur consistency, discipline inspire me to work more hard to achieve my dream.
Thanks u a vry small wrd.
http://disq.us/p/28595xc

Sunesara dhaval - 50 minutes ago

Thank you insights for these 10 days... Due to your 75 days plan I cleared upsc prelims 2016 with around 139+ marks in my second attempt... Right now I am selected as a police inspector in 2019 through state PSC and my training is going... and I am getting less hours for reading but with your consistent support and motivation stories, I am still fighting for my ultimate dream... and I am getting the results too... Thank you insights!!!
http://disq.us/p/2857k0t

Veena - 53 minutes ago

All the 10 tests prepared by INSIGHTS are really worthy... even though my marks range is from 10-18 i didn’t get discouraged because of the timely motivation and the feel that INSIGHTS is guiding me on the right track for my destination.your all free initiatives really needs much appreciation. thanks a lot INSIGHTS.
http://disq.us/p/2857hhg

Shefali Kayastha 🏆 Vruth Kumar - an hour ago

great buddy...when i started this journey(2016) I was 20... now going to be 24... To be insights ka hi sahara hai. After my family and some of my close friends... insights hii hai jinkoo me apna sahi marti hai... shukriya @Insights
http://disq.us/p/2856dfp

Shubham Bhard - 16 minutes ago

@Insights. This best part I feel about INSTA test is - It has set a great momentum which is increasing day by day.
I had started my preparation roughly Sep-Oct 2019. Finishing syllabus for the 1st time along with job, took almost 4 months.
Therfore, when I had started with Subject wise test (with my 1st revision) in Feb, I was performing consistently very low and wasn’t exactly sure how to fix those efficiently since the exam is approaching very fast.
Since, we have 75 days plan at hand. It has set a proper structure to my revisions. Also, the MITRA sheet and noting down the mistakes I do, have come into pictures. Now, I am able to realize, how I can feed-pace the resolution of my mistakes.
Hence, Accuracy seems to be increasing slowly day by day. I am learning new things, getting better at making guesses.
I will follow this to the last day. Hope, My accuracy and learning will reach a level to make me qualify for the exam.
Thank you Insights.
I will be working hard...)
http://disq.us/p/2858me1

Aashi singh 🏆 Insights - 15 minutes ago

THANK YOU SO MUCH
what you are doing is beyond words
one thing i will say that because of you people like us who do not know much who come from different background could dream
and may achieve them thank you so much god bless you AND TEAM HOPE IF GOD GIVE ME CHANCE I CAN DO SOMETHING IN RETURN thank you so much
http://disq.us/p/28592b1

www.insightsonindia.com
Saikat - Insights - an hour ago

Thank you @insights for this initiative. I was looking forward to it and after 10 days, I am feeling much more confident. I have uploaded MITRA sheets for 8 days as I did not attempt day 4 and day 5 due to the reason which is known to you. It's your words and regular feedback that gave me strength to come back and now, come what may, I will continue this journey. We are now under a state of complete lock down now and we can use this time either by panicking or by preparing ourselves to be the officers this nation needs. Our choice will shape the future.

1 ^ | v - Reply - Share

Rohit Verna - an hour ago

sir my experience is too good. i used to analyse myself on a daily basis as u can see in screenshot. Along with i used to note down elimination skills and try to recall them by revising all of them at one place & through your revision plan i'm getting a push day by day that i have committed to insights to make them proud so it keeps me going. i got good observation slowly and will trying them day by day to applying it in every test and insta revision plan and i take these 30 questions as an edge over others because i'm not following any PT365 or any compilations apart from your resources so i take these questions as a learning opportunity and add these in my notes that's insta

Hermione Granger - 3 hours ago

Scored 23/30 today.
Not a perfect score, but i am just proud that i have been consistently giving these tests and examining my mistakes and planning the next day's preparation accordingly. Thank you @insights.
In these past 15 days, you are one constant source of push and encouragement.
3 ^ | v - Reply - Share

Ezhil - 2 hours ago

8 of 15 questions answered correctly

Your time: 00:25:11, little progress, thank you @insights, i believe that you are the only reason for keeping me busy whatever happened around me, i am preparing from last year but i could not keep my plans, because of so many issues, now i am happy and get confident that surely i will land safely. Now i am realizing that "Nobody can go back and start a new beginning, but anyone can start today and make a new end", i started on 15.03.2020, to make a new end, thank you Insights.

2 ^ | v - Reply - Share

Alok Yadav - an hour ago

@insight i have been using this type of MITRA
Analysis shows too much changes b/w first day and 10th day i am enjoying this journey breaking and making mine better tomorrow due to covid-19 in days of grief it's feeling very mental pressure but in guidance of ur team moving gradually THANKS A LOT team @insight for precious contribution in our journey

2 ^ | v - Reply - Share