

TIME DISTANCE SPEED & TRAIN BOAT BY ALOK SIR

1. Amit travelled a certain distance in 2 h and 5 min. He travelled this distance partly by car and partly by bus. The speed of the bus is 28 km/h and the speed of the car is 42 km/h. If the distance travelled by car is equal to the distance travelled by bus, what is the total distance that He travelled?
- (a) 70 km
 - (b) 25 km
 - (c) 40 km
 - (d) 50 km
 - (e) 35 km

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2. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is related to girl is?

एक लड़की एक लड़के के बारे में बताते हुए कहती है कि वह लड़का उसके चाचा के पिता की लड़की का बेटा है। लड़के का उस लड़की से क्या सम्बन्ध है?

- (a) Nephew
- (b) Uncle
- (c) Brother
- (d) none
- (e) data inadequate

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3. The ratio between the speed of a bus and train is 15 : 27, respectively. Also a car covered a distance of 720 km in 9 h. The speed of the bus is three-fourth of the speed of the car. How much distance will the train cover in 7 h?
- (a) 760 km
 - (b) 756 km
 - (c) 740 km
 - (d) Cannot be determined
 - (e) None of these

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4. **BOQD : ERTG :: ANPC : ?**
- (a) **DQSF**
 - (b) **FSHU**
 - (c) **SHFU**
 - (d) **DSQF**
 - (e) **None of these**



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5. A bike covers a certain distance at the speed of 64 km/h in 8 h. If the bike was to cover the same distance is approximately 6 h, at what approximate speed should the bike travel?
- (a) 80 km/h
 - (b) 85 km/h
 - (c) 90 km/h
 - (d) 75 km/h
 - (e) 70 km/h

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6. P's mother is the sister of Q and has a daughter R. How can P be related to Q from among the following ?

P की मां *Q* की बहन है तथा उसकी एक लड़की *R* है तो *P* का *Q* से क्या सम्बन्ध है?

- (a) Nephew
- (b) Uncle
- (c) Daughter
- (d) Father
- (e) none of these



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7. A man takes 6h 35 min in walking to a certain place and riding back. He would have taken 2 h less by riding both ways. What would be the time he would take to walk both ways?
- (a) 4 h 35 min
 - (b) 8 h 35 min
 - (c) 10 h
 - (d) 8 h 25 min
 - (e) None of these

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8. **AFKP : ZUPK :: BGLQ : ?**

(a) **YUQM**

(b) **XURO**

(c) **YXWV**

(d) **YTOJ**

(e) **None of these**



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9. The respective ratio between the speed of a car, a train and a bus is $5 : 9 : 4$. The average speed of the car, the bus and the train is 72 km/h together. What is the average speed of the car and the train together?
- (a) 82 km/h
 - (b) 78 km/h
 - (c) 84 km/h
 - (d) Cannot be determined
 - (e) None of the above

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10. Aman said, "The lady is the wife of the grandson of my mother." How is Aman related to the Lady?

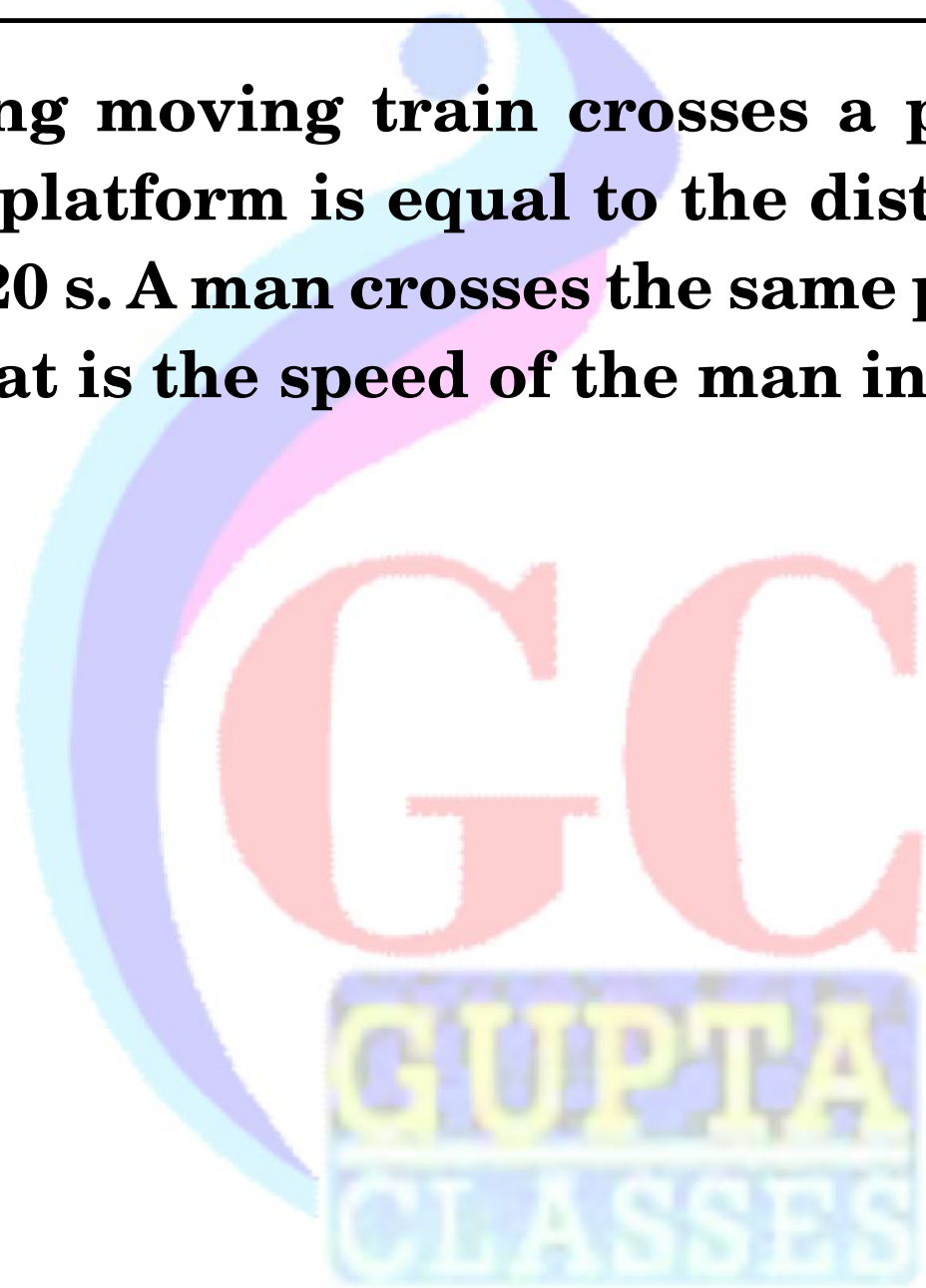
अमन ने कहा की वह महिला मेरी मां के पोते की पत्नी है। अमन का उस महिला से क्या सम्बन्ध है?

- (a) Father
- (b) Father in Law
- (c) Husband
- (d) Grandfather
- (e) none of these



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11. A 476 m long moving train crosses a pole in 14 s. The length of a platform is equal to the distance covered by the train in 20 s. A man crosses the same platform in 7 min and 5 s. What is the speed of the man in m/s?
- (a) 1.8 m/s
 - (b) 1.4 m/s
 - (c) 1.6 m/s
 - (d) 2 m/s
 - (e) 1.2 m/s



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12. If NOIDA is written as STNIF, how MEERUT can be written in that code ?

यदि NOIDA को STNIF लिखा जाता है तब MEERUT को इस कोड में कैसे लिखा जायेगा?

- (a) QIIVYX
- (b) RJJWZV
- (c) RJJWZY
- (d) RIIVYX
- (e) None of these



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13. A 280 m long train moving with an average speed of 108 km/h crosses a platform in 12 s. A man crosses the same platform in 10 s. What is the speed of the man in m/s?
- (a) 5 m/s
 - (b) 8 m/s
 - (c) 12 m/s
 - (d) Cannot be determined
 - (e) None of the above

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14. If $A+B$ means A is the father of B , $A - B$ means A is the brother of B , A / B means A is the wife of B and $A \times B$ means A is the mother of B , then which of the following represent M is the maternal grandmother of T .

अगर $A + B$ का अर्थ है A, B का पिता है और $A - B$ का अर्थ है A, B का भाई है। A/B का मतलब है A, B की पत्नी है। $A \times B$ का मतलब है A, B की माता है तब निम्न में से कौन सा सम्बन्ध दर्शाता है कि M, T की नानी है।

- (a) $M \times N/S+T$
- (b) $M \times N - S/T$
- (c) $M \times S - N/T$
- (d) $M \times N \times S/T$
- (e) none of these

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15. A boat takes 35 min less to travel 28 km downstream than it takes to travel the same distance upstream. If the speed of the boat in still water is 14 km/h, what is the speed of the stream? (in km/h)
- (a) 2.5
 - (b) 6.5
 - (c) 2
 - (d) 9.5
 - (e) 10.5



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16. In a certain code **FORGET** is Written as **DPPHCU** , how would **DOCTON** be written in that code?

किसी कोड भाषा में **FORGET** को **DPPHCU** लिखा जाता है तब **DOCTON** को कैसे लिखा जायेगा?

- (a) **BPAUMO**
- (b) **BPAUPS**
- (c) **EMDRPP**
- (d) **BPARPP**
- (e) **None of these**



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17. The current of a stream runs at the rate of 4 km in an hour. A boat goes 6 km and comes back to the starting point in 2 h. The speed of the boat in still water is
- (a) 6 km/h
 - (b) 8 km/h
 - (c) 7.5 km/h
 - (d) 6.8 km/h
 - (e) None of these



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18. If A is B's Brother, B is C's sister and C is D's father then how D related to A?

यदि A, B का भाई है B, C की बहन है और C, D का पिता है तो D, A का क्या सम्बन्ध है?

- (a) Brother
- (b) Sister
- (c) Nephew
- (d) Data inadequate
- (e) none of these

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- 19. Train A crosses a pole in 33 s and another train B crosses a pole in 55 s. Length of train A is three-fourth of train B. What is the respective ratio between the speed of train A and train B?**
- (a) 5 : 11**
 - (b) 5 : 4**
 - (c) 11 : 3**
 - (d) Cannot be determined**
 - (e) None of these**

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20. In a certain code **DECEMBER** is written as **ERMBCEDE**, in that code which word will be written as **ERMBVENO**?
- किसी कोड भाषा में **DECEMBER** को **ERMBCEDE** लिखा जाता है तब इस भाषा में **ERMBVENO** को कैसे लिखा जायेगा?
- (a) **SEPTEMBER**
 - (b) **AUGUST**
 - (c) **NOVEMBER**
 - (d) **OCTOBER**
 - (e) **None of these**

