

# IBPS PO PDF

**IBPS PO Prep Module**  
by:

**TOP RANKERS**<sup>TM</sup>  
where career starts

**TOP RANKERS**<sup>TM</sup>  
where career starts

Covered in this Session:

1. 25 important questions of Time, Speed & Distance (Quantitative Aptitude).

1. Two men start together to cover a certain distance. One walks at 5 km/hr and the other walks at 4 km/hr, he would have reached the bus stand 1 min before the arrival of the bus. How far is the bus stand?
  - (a) 30 km
  - (b) 20 km
  - (c) 10 km
  - (d) 15 km
  - (e) 40 km
2. Lee was riding his bike. After travelling the distance of 30 km, he sensed 3 unusual sound from the engine so he reduced his speed to  $\frac{3}{4}$ th of the initial speed and reached the destination 45 min late. Had he sensed the sound 12 km farther, he would have reached the destination 30 min late. Find the total distance of the journey.
  - (a) 50km
  - (b) 70km
  - (c) 66 km
  - (d) 72 km
  - (e) 46 km

**DIRECTION (Q.3-4) :** A passenger train running from Sitapur to Gitapur meets with an accident 50 kms from Sitapur, after which it travels at  $\frac{3}{5}$  times its original speed and arrives 3 hours late at Gitapur. If the accident had occurred 50 kms farther, it would have been only 2 hours late.

3. What is the distance between Sitapur and Gitapur?
  - (a) 400 km
  - (b) 200 km
  - (c) 100 km
  - (d) 150 km
  - (e) 250 km
4. The original speed of the train (in kmph) is-
  - (a) 33.33
  - (b) 13.33
  - (c) 50
  - (d) 66.66
  - (e) None of these
5. Ram and Shyarn run a race between points A and B, 5 km apart. Ram starts at 9 am from A at a speed of 5 km/ hr, reaches B, and returns to A at the same speed. Shyam starts at 9.45 am from A at a speed of 10 km/ hr, reaches B and comes back to A at the same speed. At what time do Ram and Shyam first meet each other?
  - (a) 10.00am
  - (b) 10.10 am
  - (c) 10.20 am
  - (d) 10.30 am

- (e) 11.30 am
6. Pranav can row a distance of 20km downstream in 8 hours. If the stream flows at a rate of 1.5 km/hr, what is Pranav's speed in still water ?
- (a) 2 km/hr  
(b) 0.5 km/hr  
(c) 1 km/hr  
(d) 3 km/hr  
(e) 3.5 km/hr
7. A man can row 15 km/hr in still water and he finds that it takes him twice as much time to row up than as to row down the same distance in the river. The speed of the current (in km/hr is) :
- (a) 6 km/hr  
(b) 6.5 km/hr  
(c) 4.5 km/hr  
(d) 5 km/hr  
(e) 8 km/hr
8. The difference between downstream speed and upstream speed is 3 km/hr and the total time taken during upstream and downstream is 3 hours. What is the downstream speed, if the downstream and upstream distance are 3 km each?
- (a) 2.5 km/h  
(b) 4.33 km/h  
(c) 4 km/h  
(d) 3.3 km/h  
(e) 5 km/h
9. Avantika can row 20 km downstream in 5 hours. If the stream flows at 2 km/hr, what is Avantika's speed in still water?
- (a) 2.5 km/hr  
(b) 2 km/hr  
(c) 3 km/hr  
(d) 4 km/hr  
(e) 4.5 km/hr
10. A and B are places that are 200 kms apart. A train starts from A at the speed of 20 km/hr and another train starts from B at the same time at the speed of 30 km/hr, towards each other. At what distance from A will these two trains meet and how much time will the trains take to reach the meeting point ?
- (a) 120 km, 4 hrs  
(b) 80 km, 4 hrs  
(c) 120 km, 8 hrs  
(d) 80 km, 6 hrs  
(e) 80 km, 8 hrs

11. A train sets off from A at 4 P.M. at the speed of 40 km/hr. Another train sets off from A at 5:00 P.M. at the speed of 60km/hr in the same direction. At what time will the second train catch up with the first train?
- (a) 5 : 30 P.M.
  - (b) 6 : 00 P.M
  - (c) 7 : 00 P.M.
  - (d) 7 : 30 P.M.
  - (e) 8:30 P.M.
12. Two boys A and B run a mile race. The speed of A is one mile per hour more than the speed of B. Consequently, B completes it three minutes later than A. What is the speed of A?
- (a) 5 miles/hr
  - (b) 3 miles/hr
  - (c) 4 miles/hr
  - (d) 2 miles/h
  - (e) 7 miles/h
13. A Delhi bound train leaves Nagpur at 10. a.m. Another Nagpur bound train leaves Delhi at the same time. The first train completes its journey in 8 hours, while the second train requires 12 hours to reach Nagpur. When do the two trains meet?
- (a) 2 : 48 P.M.
  - (b) 3 P.M.
  - (c) 2 : 45 P.M.
  - (d) 3 : 18 P.M.
  - (e) 3:50 P.M.
14. A car crosses a man walking at 6 km/h. The man can see the things upto 450 m only in one direction due to fog. He sees the car which was going in the same direction for 4.5 minutes. What is the speed of the car?
- (a) 9 km/h
  - (b) 12 km/h
  - (c) 12.5 km/h
  - (d) 15 km/h
  - (e) 11 km/h
15. Without stoppage, a train travel at an average speed of 150 kmph and with stoppages it covers the same distance at an average speed of 120 kmph. How many minutes per hour does the train stop?
- (a) 12 minutes
  - (b) 10 minutes
  - (c) 15 minutes

- (d) 20 minutes  
(e) 25 minutes
16. In a 4 km race A wins by 600 m over B. B can give start of 200m to C in a 4 km race. By how much distance C gets start up so that the race between A and C ends in dead heat in the same race of 4 km?  
(a) 710 m  
(b) 770 m  
(c) 730 m  
(d) 750 m  
(e) 650 m
17. A gives B a start of 30m or 10 seconds and end up the race of 1 km in dead heat. What is the ratio of speeds of A and B?  
(a) 97 : 100  
(b) 95 : 100  
(c) 100 : 97  
(d) 100 : 95  
(e) 90 : 95
18. A can win B by 250m in a 2km race. What should be the change in distance of startup? So, that B must cover 20% less distance than that by A in the same time.  
(a) 200 m  
(b) 150 m  
(c) 100 m  
(d) 50 m  
(e) 250 m
19. Arjun, Bhisma and Nakul run on the circular path at the speed of 20m/s, 30m/s and 50 m/s respectively in the same direction. The circumference of the track (or path) is 600m. (i) When will they be together again for the first time? (ii) When will they be together again for the first time at the starting point?  
(a) 30 sec, 60 sec  
(b) 60 sec, 120 sec  
(c) 60 sec, 60 sec  
(d) 120 sec, 120 sec  
(e) 30 sec, 80 sec
20. To cover a distance of 192 km, Shatabdi Express takes 48 minutes less than an another fast express train. If their speeds differ by 20 km/hr, then their respective speeds are:  
(a) 80 km/hr, 60 km/hr  
(b) 90 km/hr, 70 km/hr  
(c) 75 km/hr, 55 km/hr  
(d) 70 km/hr, 60 km/hr  
(e) None of these

21. Two trains 90 m and 85 m long respectively when moving with uniform speed on parallel lines in opposite directions pass each other in 20 sec., but when moving in the same direction the faster passes the slower in 50 seconds. Their rates of travelling are: (in km/hr)
- (a) 17, 4.5
  - (b) 22, 9.5
  - (c) 35, 11.5
  - (d) 45, 10
  - (e) 40, 15
22. A man travels up-hill and down-hill on the road at a speed of 3 miles/hr and 4 miles/hr respectively. If he walks a distance of 60 miles in 17 hours on the road, no part of which is leveled. How much of the distance is uphill?
- (a) 12 miles
  - (b) 16 miles
  - (c) 32 miles
  - (d) 24 miles
  - (e) 30 miles
23. The distance between two places A and B is 120 miles. A train leaves A for B and after travelling some distance with its usual speed of 24 miles per hr, meets with an accident. The accident detains the train by 1 hr and 20 min, and also causes it to reduce its speed by 4 miles/hr. If the train reaches B 2 hours later, at what distance from A must the accident have taken place?
- (a) 30 miles
  - (b) 20 miles
  - (c) 42 miles
  - (d) 40 miles
  - (e) 25 miles
24. Harpreet, Upendra and Sanjay are on a trip. Harpreet drives at a speed of 50 km/hr for an hour, Upendra drives for the next 2 hours at a speed of 48 km/hr and finally Sanjay drives for the next 3 hours at a speed of 52 km/hr. If they reach their destination exactly after 6 hours, what is their average speed ?
- (a) 50 km/hr
  - (b) 50.16km/hr
  - (c) 51.33km/hr
  - (d) 50.33km/hr
  - (e) 45 km/hr
25. A cyclist covers a distance of 10 km in 12 minutes. If his speed decreases by 5 km/hr, what is the time taken by him to cover the same distance ?
- (a) 13 min 20 secs
  - (b) 13 min
  - (c) 11 min 20 secs
  - (d) 11 min
  - (e) 12 min 10 secs

**ANSWERS :**

<b>1. (b)</b>	<b>2. (c)</b>	<b>3. (b)</b>	<b>4. (a)</b>	<b>5. (b)</b>	<b>6. (c)</b>	<b>7. (d)</b>	<b>8. (b)</b>	<b>9. (b)</b>
<b>10. (b)</b>	<b>11. (c)</b>	<b>12. (a)</b>	<b>13. (a)</b>	<b>14. (b)</b>	<b>15. (a)</b>	<b>16. (b)</b>	<b>17. (c)</b>	<b>18. (b)</b>
<b>19. (c)</b>	<b>20. (a)</b>	<b>21. (b)</b>	<b>22. (d)</b>	<b>23. (d)</b>	<b>24. (d)</b>	<b>25. (a)</b>		

