

# Home Assignment

## for SSC & Railways Aspirants



1. Who has been appointed the new Governor of West Bengal?  
A. Jagdeep Dhankar B. Anandiben Patel  
C. Fagu Chauhan D. R N Ravi  
E. Lalji Tandon  
Ans. A

Sol. Senior Advocate at the Supreme Court of India Mr. Jagdeep Dhankar (68-years) has been sworn in as the Governor of West Bengal (28th). The Chief Justice of the Calcutta High Court Mr T.B Radhakrishnan administered the oath of office and Secrecy to him. Mr Dhankar was Member of Parliament from Jhunjhunu (Lok Sabha constituency) in Rajasthan during 1989-91 (representing Janata Dal) and MLA from Kishangar (Rajasthan) during 1993-98.

2. Which of the following states/UT will host the 3rd edition of 'Khelo India' in 2020?  
A. Maharashtra B. Assam  
C. Delhi D. Punjab  
E. Telangana  
Ans. B

Sol. Union Youth Affairs and Sports Minister Kiren Rijiju has announced that the 3rd edition of 'Khelo India' Games will be held in Guwahati, Assam. It will be conducted in partnership with Indian Olympic Association, School Games Federation of India & Assam as host State. Khelo India Youth Games (KIYG) are the national level multidisciplinary grassroots games in India held for two categories, namely under-17 years school students and under-21 college students. Every year best 1000 kids will be given an annual scholarship of INR 5,00,000 for 8 years to prepare them for the international sporting events.

3. Who has been appointed as new Finance Secretary of India?  
A. Atanu Chakraborty  
B. Krishnamurthy Subramanian  
C. Rajiv Kumar  
D. Girish Chandra Murmu  
E. None of these  
Ans. C

Sol. Senior Indian Administrative Service (IAS) officer Rajiv Kumar (1984 batch-Jharkhand cadre) has been appointed as the new Finance Secretary. He succeeded Subhash Chandra Garg (1983 batch IAS- officer), who is currently the power secretary. Finance Secretary is the administrative head of the Ministry of Finance and is the principal adviser to the Finance Minister on all matters of policy and administration within the Finance Ministry.

4. Which of the following states has cancelled the birth anniversary celebrations of Hazrat Tipu Sultan?  
A. Tamil Nadu B. Punjab  
C. Karnataka D. Kerala  
E. Odisha

Ans. C  
Sol. The Karnataka State Government has cancelled the birth anniversary celebrations of Hazrat Tipu Sultan with immediate effect. Tipu Sultan (or Tiger of Mysore) was born on 20th November 1750 at Devanahalli, (Currently in Bangalore Rural district). Tipu Sultan was a ruler of the Kingdom of Mysore and a pioneer of rocket artillery.

5. Which of the following states has launched the 5th Dharma-Dhamma conference?  
A. Assam B. Bihar  
C. Haryana D. Punjab  
E. Odisha  
Ans. B

Sol. The 5th International Dharma-Dhamma conference was held Rajgir International Convention Centre in Rajgir, Bihar. The conference was inaugurated Union Minister of State Kiren Rijiju who is also the Chief Guest of Conference.

6. Who has been appointed as the Chairman of the Public Accounts Committee (PAC)?  
A. Mallikarjun Kharge  
B. Rahul Gandhi  
C. Sonia Gandhi

- D. Adhir Ranjan Chowdhury
- E. Ghulam Nabi Azad

Ans. D

Sol. The leader of the Congress party in Lok Sabha, Adhir Ranjan Chowdhury has been appointed as the Chairman of the Public Accounts Committee (PAC).

The PAC has 15 members from Lok Sabha and seven from Rajya Sabha.

The Public Accounts Committee (PAC) is a committee of selected members of parliament, constituted by the Parliament of India, for the purpose of auditing the revenue and the expenditure of the Government of India.

It serves as a check on the government especially with respect to its expenditure bill.

7. Which of the following cities will host the 22<sup>nd</sup> National Conference on e-Governance 2019?

- A. Bhopal
- B. Guwahati
- C. Shillong
- D. Pune
- E. None of these

Ans. C

Sol. The 22<sup>nd</sup> National Conference on e-Governance 2019 will be held at Shillong, Meghalaya on 8-9, 2019.

Theme of the Conference is "Digital India: Success to Excellence".

It would provide opportunities to civil servants and others to showcase their successful interventions in improving end-to-end service delivery.

8. Which of the following ministries has constituted the National Traders' Welfare Board?

- A. Ministry of Home Affairs
- B. Ministry of Commerce and Industry
- C. Ministry of Earth Sciences
- D. Ministry of External Affairs
- E. Ministry of Civil Aviation

Ans. B

Sol. The Ministry of Commerce and Industry has announced the constitution of a National Traders' Welfare Board to identify policy measures for the traders and their employees.

The board will be headed by a joint secretary from the Department for Promotion of Industry and Internal Trade (DPIIT) and will include representatives

from other ministries.

9.  $\theta$  is a positive acute angle and  $\sin\theta - \cos\theta = 0$ , then the value of  $\sec\theta + \operatorname{cosec}\theta$  is

- A. 2
- B.  $\sqrt{2}$
- C.  $2\sqrt{2}$
- D.  $3\sqrt{2}$

Ans. C

Sol.  $\sin\theta - \cos\theta = 0$

$\sin\theta = \cos\theta$

Hence  $\theta = 45^\circ$  is satisfying the equation

Therefore,

By putting this value in eq

$\sec\theta + \operatorname{cosec}\theta = \sqrt{2} + \sqrt{2} = 2\sqrt{2}$

10. The sum and product of two numbers are 10 and 24 respectively. The sum of their reciprocals is how much?

- A.  $\frac{1}{2}$
- B.  $\frac{5}{12}$
- C.  $\frac{7}{12}$
- D.  $\frac{12}{5}$

Ans. B

Sol. क्रमशः संख्या X और Y होने दें।

$X + Y = 10$  .....(i)

$X * Y = 24$  .....(ii)

समीकरण (ii) द्वारा समीकरण (i) को विभाजित करने पर हम प्राप्त करते हैं

$$\frac{X + Y}{XY} = \frac{10}{24}$$

$$\frac{1}{X} + \frac{1}{Y} = \frac{5}{12}$$

तो, उत्तर 5/12 है।

11. The area of a rectangular park is 180 cm<sup>2</sup> and the difference between the sides is 8 cm. Find the sum of the sides of the park.

- A. 8
- B. 56
- C. 28
- D. 18

Ans. B

Sol. Let the sides be a and b=a+8.

So, a\*b = 180

a(a+8) = 180

and, a<sup>2</sup>+8a-180 = 0

Solve the quadratic equation,

Hence, a= 10 cm and b= 18 cm

So, the sum of the sides of the park is

56 cm

Note:

Sum of the sides of a rectangle is perimeter

12. A librarian purchased 50 story-books for his library. But he saw that he could get 14 more books by spending Rs. 76 more and the average price per book would be reduced by Rs. 1. The average price (in Rs.) of each book he bought, was

- A. 15                                      B. 20  
C. 25                                      D. 10

Ans. D

Sol. माना प्रत्येक पुस्तक का औसत X रुपये है।

फिर प्रश्न के अनुसार,

$$64x - 64 = 50x + 76$$

$$\Rightarrow 64x - 50x = 76 + 64$$

$$\Rightarrow 14x = 140$$

$$\Rightarrow x = \frac{140}{14} = \text{Rs. } 10$$

13. A and B start a partnership with Rs. 1500 and Rs. 2000. After 4 months C also join the business with Rs. 2250. If B withdraw his capital after 9 months then find the share of profit of B in a total profit of Rs. 900 after a year.

- A. Rs. 300                                      B. Rs. 400  
C. Rs. 600                                      D. Rs. 500

Ans. A

Sol. Ratio of investments,

$$= 1500 \times 12 : 2000 \times 9 : 2250 \times 8$$

$$= 1:1:1$$

B's share

$$= 900 \times \frac{1}{3} = \text{Rs. } 300$$

14. A runner starts running from a point at 6:00 am with a speed of 8 km/hr. Another racer starts from the same point at 8:30 am in the same direction with a speed of 10 km/hr. At what time of the day (in p.m.) will the second racer will overtake the other runner?

- A. 8:00                                      B. 4:00  
C. 6:30                                      D. 5:30

Ans. C

Sol. Speed of first runner = 8km/hr

Speed of second runner = 10km/hr

Relative speed of second runner with respect to the first one = 10-8 = 2km/hr

Distance covered by first runner in 2 and half hour =

$$8 \times \frac{5}{2} = 20\text{km}$$

Time taken by second runner to overtake the first runner

= Extra distance covered by first runner/relative speed

$$= \frac{20}{2} = 10\text{hour}$$

So second runner will overtake the other runner at (8.30 + 10) = 6.30PM

15. A vendor has 1000 kg of wheat part of which he sells at 8% profit and the rest at 18% profit. He gain 14% at whole. Find the quantity of wheat at which he sold at 18% profit?

- A. 400                                      B. 450  
C. 600                                      D. 640

Ans. C

Sol. using allegation

8%	18%	
	14%	
4	:	6
2	:	3

qty of 2<sup>nd</sup> type =  $\frac{3}{5} \times 1000\text{kg} = 600\text{ kg}$

16. A can complete a work in 'm' days and B can complete it 'n' day. How many days will it take to complete the work if both A and B work together?

- A. (m + n) days                      B.  $\left(\frac{1}{m} \times \frac{1}{n}\right)$  days  
C.  $\left(\frac{m+n}{mn}\right)$  days                      D.  $\left(\frac{mn}{m+n}\right)$  days

Ans. D

Sol. A's 1 day's work

$$= \frac{1}{m}$$

B's 1 day's work

$$= \frac{1}{n}$$

$\therefore (A+B)$ 's 1 day's work

$$= \frac{1}{m} + \frac{1}{n} = \frac{n+m}{mn} = \frac{m+n}{mn}$$

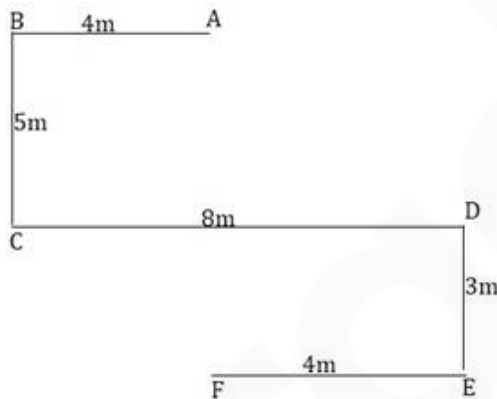
$\therefore$  Required time =  $\frac{mn}{m+n}$

17. Point A is 4m to the east of point B. Point C is 8m to the west of point D and 5m to the south of point B. Point F is 4m to the west of point E which is 3m to the south of point D. How far point F with respect to point A?

- A. 7m                      B. 8m  
C. 10m                     D. 9m

Ans. B

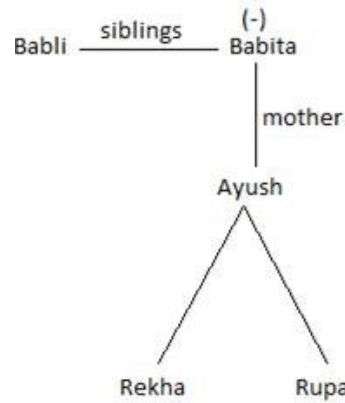
Sol. Based on the given information we have the following diagram:



Clearly, Point A is 8m (=5+3) to the north of point F

18. Babli and Babita are siblings. Babita is the mother of Ayush. Ayush has two Children namely Rekha and Rupa. How's Babli related to Rupa?

- A. Mother                      B. Sister  
C. Grand Mother D. Can't be determined.  
Sol.



Since, we do not know the gender of Babli in the given figure. Therefore, We can not find the correct answer.

Hence, the correct answer is option D.

19. Select the correct combination of mathematical signs to replace '\*' signs and to balance the given equation.

$$8 * 6 * 7 * 3 * 18$$

- A. + - + =                      B. + + - =  
C. - + + =                      D. + - ÷ =

Ans. B

Sol.  $8 * 6 * 7 * 3 * 18$

Option (1); + - + =  $\rightarrow 8 + 6 - 7 + 3 = (10)$  but given as 18 hence incorrect

Option (2); + + - =  $\rightarrow 8 + 6 + 7 - 3 = (18)$  given as 18 hence correct

Option (3); - + + =  $\rightarrow 8 - 6 + 7 + 3 = (12)$  but given as 18 hence incorrect

Option (4); + - ÷ =  $\rightarrow 8 + 6 - 7 \div 3$  it is not equal to 18 as given hence incorrect.

Option (2) is correct.

20. Arrange the given words in the sequence in which they occur in the dictionary.

- 1) Totalitarian                      2) Totatarliian  
3) Totarianlita                      4) Totalanitari

5) Totariaalitn

- A. 15432                              B. 34152  
C. 41532                              D. 15423

Ans. C

Sol. Alphabetical Order is:

4) Totalanitari

1) Totalitarian

5) Totariaalitn

3) Totarianlita

2) Totatarliian

Thus the correct sequence is 41532.

**Direction (21–25):** In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer out of the four alternatives for the given blanks.

A mother duck and her little ducklings were on their way to the lake one day. Suddenly the mother duck saw a fox in the distance. She was frightened and shouted, "Children, hurry to the lake. There's a fox!" The ducklings **(Q21)** towards the lake. The mother duck began to walk back and forth **(Q22)** one wing on the ground. When the fox saw her, he said to himself, "It seems that she's hurt and can't fly! I can easily catch and eat her!" Then he ran towards her. The mother duck ran, leading the fox away from the lake so, he **(Q23)** be able to harm her ducklings. The mother duck saw that they had reached the lake. She was **(Q24)**, so she stopped. The fox thought she was tired and he came closer, but the mother duck quickly spread her wings and **(Q25)** up in the air. She landed in the middle of the lake and her ducklings swam to her.

21. Find the appropriate word in each case.

- A. rushed
- B. tootled
- C. scrambled
- D. stucked

Ans. A

Sol. It can be clearly deciphered from the following line, 'She was frightened and shouted, "Children, hurry to the lake. There's a fox!" that the word in the blank should mean hurry.

Option A: Rushed is an adjective which means to do something or move very quickly, or to cause someone to act in such a way. The synonym for 'rushed' is hurried.

Option B: Tootled is an adjective which means to go or travel in a leisurely way.

Option C: Scrambled is an adjective which means to make one's way quickly or awkwardly up a steep gradient or over rough ground by using one's hands as well as one's feet.

Therefore, option A is the apt answer.

22. Find the appropriate word in each case.

- A. edging
- B. dragging
- C. trawling
- D. goading

Ans. B

Sol. We can decipher from the following line, 'When the fox saw her, he said to himself, "It seems that she's hurt and can't fly! I can easily catch and eat her!" that the word in the blank should mean pulling.

Option A: Edging is the process of providing something with an edge or border.

Option B: Dragging means to move extremely tired or slow, in the lethargic or sluggish way.

Option C: Trawling means to search thoroughly or drag something slowly in water.

Option D: Goading means to provoke or annoy someone as to stimulate an action or reaction.

Therefore, option B is the apt answer.

23. Find the appropriate word in each case.

- A. won't
- B. wouldn't
- C. shall not
- D. May not

Ans. B

Sol. "Won't" is the short form of "will not," whereas 'wouldn't' is the short form of "would not" and would is the past form of will. Won't and wouldn't are very common and informal in use, but will not and would not are usually formal.

Won't = will not is used when you are certain/have planned for something that is not going to take place in the future. For example, I won't lend you any more money.

Wouldn't = would not is used when we talk in the past about something in the negative about future. For example, he said he wouldn't lend me any money. Shan't is the short form of "shall not." It is used with first person pronouns to express the strong possibility or near certainty of an action which is not going to take place in the near future.

Mayn't is the short form of "may not." 'May' is used to 'express permission.'

May not is used to deny permission. May is also used to express possibility. May is also used in expressing a wish. May is

used in subordinate clauses that express a purpose. The negative forms are may not. May is the used in present and future tense. The past tense is Might. Therefore, option B is the apt answer.

24. Find the appropriate word in each case.

- A. fretful                      B. restive  
C. revelled                    D. relieved

Ans. D

Sol. We can decipher from the passage that the word in the blank should mean a feeling of relief in realizing that her children are no more in danger.

Option A: 'Fretful' refers to feeling or expressing distress or irritation.

Option B: 'Restive' refers to a person unable to remain still, silent, or submissive, especially because of

boredom or dissatisfaction.

Option C: Revelled refers to enjoy oneself in a lively and noisy way, especially with drinking and dancing. It is also referred to gain great pleasure from a situation.

Option D: Relieved refers to no longer feeling distressed or anxious about something or someone.

Therefore, option D is the apt answer.

25. Find the appropriate word in each case.

- A. risen                              B. rises  
C. rose                                D. arise

Ans. C

Sol. We need a past tense of 'rise', not past participle form. Thus, the correct form of the verb is 'rose.'

Therefore, option C is the apt answer.

# **RRB NTPC 2019 Online Test Series**

- 1. Based on the Latest Exam Pattern**
- 2. Available in Hindi & English**
- 3. All India Rank & Performance Analysis**
- 4. Detailed Explanation of Solutions**
- 5. Available on Mobile & Desktop**

