

# Home Assignment

## for SSC & Railways Aspirants

1. पश्चिम बंगाल का नया राज्यपाल किसे नियुक्त किया गया है?

- A. जगदीप धनकर      B. आनंदीबेन पटेल  
C. फागू चौहान      D. आर.एन. रवि  
E. लालजी टंडन

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. 2020 में निम्न में से कौन सा राज्य / केन्द्र शासित प्रदेश 'खेलो इंडिया' के तीसरे संस्करण की मेजबानी करेगा?

- A. महाराष्ट्र      B. असम  
C. दिल्ली      D. पंजाब  
E. तेलंगाना

Ans. B

Sol. Union Youth Affairs and Sports Minister Kiren Rijju 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. भारत के नए वित्त सचिव के रूप में किसे नियुक्त किया गया है?

- A. अतानु चक्रवर्ती      B. कृष्णमूर्ति सुब्रमण्यन  
C. राजीव कुमार      D. गिरीश चंद्र मुर्मू  
E. इनमें से कोई नहीं

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. निम्न में से किस राज्य ने हजरत टीपू सुल्तान के जयंती समारोह को रद्द कर दिया है?

- A. तमिलनाडु      B. पंजाब  
C. कर्नाटक      D. केरल  
E. ओडिशा

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. निम्न में से किस राज्य ने 5वें धर्म-धम्म सम्मेलन का शुभारंभ किया है?

- A. असम      B. बिहार  
C. हरियाणा      D. पंजाब  
E. ओडिशा

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 Rijju who is also

the Chief Guest of Conference.

6. लोक लेखा समिति (PAC) के अध्यक्ष के रूप में किसे नियुक्त किया गया है?

- A. मल्लिकार्जुन खड़गे
- B. राहुल गांधी
- C. सोनिया गांधी
- D. अधीर रंजन चौधरी
- E. गुलाम नबी आजाद

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. निम्न में से कौन सा शहर ई-गवर्नेंस 2019 पर 22वें राष्ट्रीय सम्मेलन की मेजबानी करेगा?

- A. भोपाल
- B. गुवाहाटी
- C. शिलांग
- D. पुणे
- E. इनमे से कोई नहीं

Ans. C

Sol. The 22nd 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. निम्न में से किस मंत्रालय ने राष्ट्रीय व्यापारी कल्याण बोर्ड का गठन किया है?

- A. गृह मंत्रालय
- B. वाणिज्य और उद्योग मंत्रालय
- C. पृथ्वी विज्ञान मंत्रालय
- D. विदेश मंत्रालय
- E. नागरिक उड्डयन मंत्रालय

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.  $\theta$  एक धनात्मक न्यून कोण है और  $\sin \theta - \cos \theta = 0$  हो, तो  $\sec \theta + \operatorname{cosec} \theta$  का मान ज्ञात कीजिए?

- 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. दो संख्याओं के योग और गुणनफल क्रमशः 10 और 24 है। उनके व्युत्क्रम का योग बताइयें।

- 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. एक आयताकार पार्क का क्षेत्रफल 180 सेमी<sup>2</sup> है और उसकी भुजाओं के बीच का अंतर 8 सेमी है। पार्क की भुजाओं का योग ज्ञात कीजिये।

- 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. एक लाइब्रेरियन ने अपनी लाइब्रेरी के लिए 50 कहानी की किताबें खरीदीं। लेकिन उसने देखा कि वह 76 रुपये अधिक देकर 14 अतिरिक्त किताबें खरीद सकता है जिससे प्रत्येक पुस्तक की औसत कीमत 1 रुपये घट जाएगी। उसके द्वारा खरीदी गयी प्रत्येक पुस्तक का औसत मूल्य (रुपये में) था

- 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 एवं B ने 1500 रुपयों एवं 2000 रुपयों के साथ साझेदारी आरम्भ की। 4 महीनों पश्चात् C भी व्यापार में 2250 रुपयों सहित शामिल हो गया। यदि B ने 9 महीनों पश्चात् उसकी पूंजी निकाल ली हो तो 900 रुपयों के कुल लाभ में B का लाभांश ज्ञात करें?

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

Ans. A

Sol. Ratio of investments,  
= 1500 × 12 : 2000 × 9 : 2250 × 8  
= 1 : 1 : 1

B's share

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

14. एक धावक एक बिंदु से 6:00 पूर्वाह्न (ए. एम) पर 8 कि.मी. प्रति घंटा की गति से दौड़ना प्रारंभ करता है। दूसरा धावक उसी बिंदु से 8:30 पूर्वाह्न (ए. एम) पर समान दिशा में 10 कि.मी. प्रति घंटा की गति से दौड़ना प्रारंभ करता है। दिन के किस समय (अपराह्न में) दूसरा धावक पहले धावक से आगे निकल जाएगा?

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

Ans. C

Sol. Speed of first runner = 8 km/hr

Speed of second runner = 10 km/hr

Relative speed of second runner with respect to the first one = 10 - 8 = 2 km/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) = 6.30 PM

15. एक विक्रेता के पास 1000 किलो गेहूं है, जिसमें से वह एक हिस्सा 8% लाभ में बेचता है और बाकि 18% लाभ पर पर बेचता है। उसे पूरे लेन-देन पर 14% लाभ हुआ गेहूं की कितनी मात्रा उसने 18% लाभ में बेची?

- 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 किसी कार्य को 'm' दिनों में और B उसे 'n' दिनों में पूरा कर सकता है। यदि A और B दोनों मिलकर कार्य करें तो कार्य पूरा होने में कितने दिन लगेंगे?

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

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

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

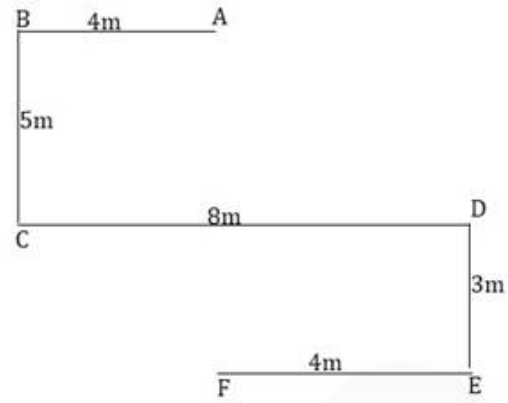
$$\therefore \text{Required time} = \frac{mn}{m+n}$$

17. बिन्दु A, बिन्दु B के पूर्व में 4 मीटर की दूरी पर है। बिन्दु C, बिन्दु D के पश्चिम में 8 मीटर तथा बिन्दु B के दक्षिण में 5 मीटर की दूरी पर है। बिन्दु F, बिन्दु E के पश्चिम में 4 मीटर की दूरी पर है जो बिन्दु D के दक्षिण में 3 मीटर की दूरी पर है। बिन्दु A के संदर्भ में बिन्दु F कितनी दूरी पर है?

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

Ans. B

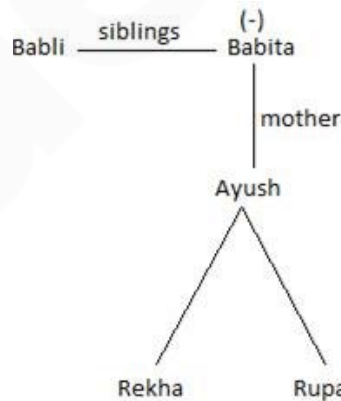
Sol. Based on the given information we have the following diagram:



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

18. बबिता, बबली एक माँ की संताने हैं। बबिता, आयुष की मां है। आयुष के दो बच्चे हैं जिनके नाम रेखा और रूपा हैं। बबली, रूपा से किस प्रकार संबंधित है?

- A. मां                                      B. बहन  
 C. दादी/नानी                      D. ज्ञात नहीं किया जा सकता  
 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. दिए गए समीकरण को संतुलित करने तथा '\*' चिन्हों को प्रतिस्थापित करने के लिए गणितीय चिन्हों का सही क्रम समूह चुनिए।

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

- 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);  $+ - \div = \rightarrow 8 + 6 - 7 \div 3$  it is

not equal to 18 as given hence

incorrect.

Option (2) is correct.

20. निम्नलिखित शब्दों को शब्दकोष में आने वाले क्रम के अनुसार लिखें।

1) Totalitarian

2) Totatarliian

3) Totarianlita

4) Totalanitari

5) Totariaalitm

A. 15432

B. 34152

C. 41532

D. 15423

Ans. C

Sol. Alphabetical Order is:

4) Totalanitari

1) Totalitarian

5) Totariaalitm

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 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.

# रेलवे NTPC 2019 मॉक टेस्ट सीरीज़

1. नवीनतम परीक्षा पैटर्न पर आधारित
2. हिंदी तथा इंग्लिश में उपलब्ध
3. ऑल इंडिया रैंक और प्रदर्शन विश्लेषण
4. समाधान की विस्तृत विवरण
5. वेब और मोबाइल पर उपलब्ध