NOTICE

Ref. Advt. No. 2020/03

SYAMA PRASAD MOOKERJEE PORT – KOLKATA HALDIA DOCK COMPLEX

(Jawahar Tower Complex, Haldia Township, Purba Medinipur, West Bengal, Pin – 721607)

Written Examination for selection of Traffic Officer (on contract) under Railways Division of Haldia Dock Complex

Written Test Venue : DAV Public School, Haldia Township.

P.O. – Haldia Township, Dist.-Purba Medinipur,

West Bengal – 721607.

Date of Test : 20/12/2020

Reporting Time : 10.30 hrs.

Model Question Paper with Answer: Refer to 'Annexure – I'.

Structure of the Question Paper : Paper-I (MCQ)

•	General Knowledge	15 Marks.
•	English Language	15 Marks.
•	Numerical Ability	15 Marks.
•	Logical Reasoning	15 Marks.
•	Total in Paper-I	60 Marks.
•	Qualifying Marks in Paper-I	30 Marks.

Paper-II (MCQ)

•	Subject Test	40 Marks.
•	Total in Paper-II	40 Marks.
•	Qualifying Marks in Paper-II	20 Marks.

Total Marks
 Overall Qualifying Marks
 100 Marks
 50 Marks

Question paper Duration : 120 Mins

General Instructions to the candidates:

- ❖ Admit card have been issued to the prima-facie eligible candidates both by speed posts and also by email. If the candidate does not receive admit card by post, he/she may also take a print out of the e-mail (soft copy) of the admit card.
- ❖ The candidate must bring the admit card with recent passport size photograph affixed in the space provided and the filled in self-declaration at the time of appearing for the written examination. No candidate will be permitted to enter the examination Centre without the admit card with fill up the self-declaration about their Health status.

- ❖ The admit card alongwith affixed passport size photograph will be collected in the examination hall and therefore the candidate is advised to keep one photocopy of the Admit Card for her own reference.
- ❖ Candidate must carry at least one photo bearing IDENTITY PROOF in original such as Passport, Driving License, Voter Card, Aadhaar Card, Identity Card issued by University / College, Pan Card along with a self-certified photocopy of the same, to the examination Centre, failing which, HE/SHE SHALL NOT BE ALLOWED TO APPEAR FOR THE EXAMINATION.
- ❖ The candidate should reach the examination Centre / Venue at the reporting time. Late comers will not be permitted to appear in the test. They should bring 2 good quality BLACK/BLUE ball point pen for answering the test questions. Use of Pencils is strictly prohibited for answering questions.
- ❖ Candidature for the test is provisional and subject to fulfilling all the eligibility conditions as indicated in the advertisement. Receipt of Admit card by the candidate is not to be construed as acceptance of the candidate's eligibility for selection. If, at any stage, it is found that the candidate is ineligible for sitting in the written examination or at any subsequent stage his / her candidature will be rejected.
- Candidates are not allowed to carry any papers, notes, books, calculators, pagers or mobile phone or electronic devices etc., in the examination hall. Any candidate found using or in possession of such unauthorised material or indulging in copying or adopting unfair means, is liable to be summarily disqualified.
- * Request for change of centre/venue will not be entertained under any circumstances.
- ❖ No Travelling allowance will be reimbursed for appearing in the Written Test.
- ❖ Candidates are required to comply with the Government COVID-19 related safety protocols for the examination as prescribed therein. The important COVID-19 safety guidelines are given overleaf.
- ❖ Candidates are required to wear Facemask and carry their own water bottle, Hand Sanitizer etc. inside the examination hall.
- Candiates shall be allowed entry only if using Face Mask / Face Cover and the Face Mask / Face Cover has to be worn properly all times inside the examination center. They have to undergo mandatory Thermal Screening and Hand Sanitization before entering into the Examination Centre.
- ❖ Candidates shall be permitted to enter the examination Centre only if they are not having any COVID-19 symptoms. HDC reserves the right to allow / disallow entry of candidates subject to COVID-19 Protocol.
- Candidates are required to maintain physical distance when queuing up for entry.
- ❖ Bags/Books/Mobiles etc. shall not be allowed in the Examination hall. Designated space would be provided by HDC for keeping such items.
- Spitting in and around is strictly prohibited. Use of spit/saliva for counting /turning question paper/Answer Sheet is also strictly prohibited.

- ❖ Sharing of personal belongings / stationary shall not be allowed.
- ❖ Candidates are also requested to go through the detailed Government COVID-19 guidelines given below.

The Government guideline on preventive measures to be followed by the candidates while appearing for the written examination to contain spread of Covid-19

1. Generic preventive measures

The generic measures include simple public health measures that are to be followed to reduce the risk of COVID-19. These measures need to be observed by all (candidates and parents) in these places at all times.

These include:

- i. Physical distancing of at least 6 feet to be followed as far as feasible.
- ii. Use of face covers/masks to be made mandatory.
- iii. Practice frequent hand washing with soap (for at least 40-60 seconds) even when hands are not visibly dirty. Use of alcohol-based hand sanitizers (for at least 20 seconds) can be made wherever feasible.
- iv. Respiratory etiquette to be strictly followed. This involves strict practice of covering one's mouth and nose while coughing/sneezing with a tissue/handkerchief/flexed elbow and disposing off used tissues properly.
- v. Self-monitoring of health by all and reporting any illness at the earliest.
- vi. Spitting shall be strictly prohibited.
- vii. Installation & use of Aarogya Setu App shall be advised to all, as far as feasible.

2. Entry and Exit to the examination center

- i. Entrances to have mandatory hand hygiene and thermal screening provisions. If any examination functionary/examinee fails to meet the self-declaration criteria, they shall not be allowed entry.
- ii. Only asymptomatic staff and students shall be allowed inside the examination hall.
- iii. In regular course, a symptomatic candidate should be referred to the nearest health center and given an opportunity to undertake the examination through other means or the Universities/Educational Institution shall arrange for taking exam at a later date when the student is declared physically fit. However, if a student is found to be symptomatic, the permission or denial thereof, in such cases shall be granted as per the policy already enunciated on the issue by the Examination Conducting Authorities.

- iv. All staff and students to be allowed entry only if using face cover/masks. The face cover/mask has to be worn at all times inside the examination center by all.
- v. Enough entry & exits gates for students and staff shall be ensured to avoid overcrowding.
- vi. Maintaining physical distancing of a minimum of 6 feet, when queuing up for entry and inside the center as far as feasible.
- vii. Specific markings may be made with sufficient distance to manage the queue and ensure social distancing in the premises.
- viii. Proper crowd management in the examination center as well as outside premises like parking lots, waiting areas duly following physical distancing norms shall be ensured.
- ix. Bags/books/mobiles should not be allowed in the examination center.
- x. The examinees will be taken to a registration room in batches maintaining adequate physical distancing norms for document verification and recording of attendance. Thereafter they will be escorted in batches to the allotted examination hall.
- xi. Frisking of examinees, if needed, shall be undertaken after thermal screening. Personnel involved in frisking shall wear triple layer medical mask in addition to gloves. Proper hand hygiene shall be maintained by such personnel every time they change their gloves.
- xii. On completion of exam, the candidates should be permitted to move out in an orderly manner.

Section-I: General Knowledge/Awareness

(Each question carries:1 mark; Total Mark: 15)

A 1.
Ans: b
emi
Ans: a
Ans: d
s Ans: b
Ans: a
Ans: c
Ans:b

8. Which of the following is the hottest planet in the Solar system? (a) Mercury
(b) Mars (c) Jupiter
(d) Venus Ans : d
9. Who is the founder of IT giant Infosys? (a) Vishal Sikka
(b) Nandan Nilekani (c) Narayana Murthy
(d) Azim Premji Ans : c
10. Which schedule of the India Constitution has provisions regarding powers, authority and responsibilities of Panchayats? (a) Twelfth Schedule
(b) Eleventh Schedule (c) Eighth Schedule
(d) Tenth Schedule
Ans: b 11. Which of the following statements about the President of India is correct? (a) The President of India must be a member of Rajya Sabha. (b) The President of India must be a member of Lok Sabha.
(c) The President of India shall be a member of a House of the Legislature of any State.
(d) The President of India shall not be a member of either House of Parliament or of a House of the Legislature of any State.
Ans: d
12. Who became the first Indian woman to be nominated as a member of the International Olympic Committee (IOC)?(a) Sumitra Mahajan(b) Sonia Gandhi
(c) Nita Ambani (d) Supriya Sule
Ans: c
13. With which country will India start Shakti 2019 joint military exercise?
(a) Malaysia (b)France
© Myanmar
(d) Thailand Ans : b
14. Which scheme has been launched by the Government of India for the farmers?(a) PM food center scheme(b) PM Vehicle Center Yihna(c) PM Kisan Call Center
(d) PM Animal Center Scheme
Ans : c 15. Which company has won the award for innovation in digital payments at the Meity Startup Summit 2019?
(a) Phone Pe
(b) Google Pe (c) Bharat Pe
(d) Paytm

Section-II: English Language

(Q-1 to 9 each question carries:1 mark; Q -10 each question carries:2; Total Mark: 15)

 In the following sentence, four words or phrases have been underling them is incorrect. Select the INCORRECT word or phrase from the particle of the incorrect in the particle of the parti	ned. One of given options.
(d) Yet is	Ans : d
 2. Select the word that is spelled INCORRECTLY. (a) Monarchy (b) Monetary (c) Momentary (d) Monastery 	
(d) Monascory	Ans : c
 3. Select the option that completes the sentence CORRECTLY. The lass sun fading away when I reached home. (a) Are (b) Will be 	at rays of the
(c) Were	
(d) Was	Ans : c
 4. Select the word that best expresses the meaning of the underlined <u>abstain</u> from unnecessary criticism, you will be happier in life. (a) Avoid (b) Indulge (c) Differ 	word. If you
(d) Deny	Ans: a
5. Select the ANTONYM of the given word. ELEGANT (a) Natural (b) Neat (c) Tactless	
(d) Awkward	Ans : d
In the following sentence, four words or phrases have been und them is incorrect. Select the INCORRECT word or phrase from th	erlined. One of e given options.
His parents prohibited him against joining the modelling career. (a) His (b) Prohibited (c) Against	
(d) Modelling career	Ans : c

7. Select the ANTONYM of the given word.

INNOCENT

- (a) Naive
- (b) Unfamiliar
- (c) Childlike
- (d) Guilty

Ans: d

- 8. Select the word that best expresses the meaning of the underlined word. A corrupt officer is a <u>disgrace</u> to the whole department.
 - (a) Disgust
 - (b) Disturbance
 - (c) Scandal
 - (d) Shame

Ans: d

9. In the following sentence, four words or phrases have been underlined. One of them is incorrect.

Select the INCORRECT word or phrase from the given options.

You need to improve your voice control in caseto win the singing competition.

- (a) In case
- (b) Your
- (c) Need to
- (d) To win

Ans: (a)

10. Read the following passage and answer the given questions.

(each mark 2; Total=6)

Providing stable freshwater supplies is a priority for every country in the world. Yet stable supplies are increasingly hard to come by in many countries, as waterrelated risks increase. For example, recent droughts threatened GDP growth in the United States. Monsoon floods killed hundreds and displaced thousands in India. Increased competition for water may impact energy production in China, and the list goes on. Worlds Resource Institute's Aqueduct project recently evaluated, mapped, and scored water risks like these in 100 river basins and 180 nations the first such country-level water assessment of its kind. We found that 36 countries face "extremely high" levels of baseline water stress. This means that more than 80 percent of the water available is withdrawn annually by agricultural, domestic, and industrial users leaving businesses, farms, and communities vulnerable to scarcity. Such situations severely threaten national water security and economic growth—especially if a country does not have adequate watermanagement plans in place. This information is highly relevant for a country's economy, environment, and communities. It's also important for countries to understand the underlying natural factors that drive their waterrelated risks and respond accordingly. Extremely high levels of baseline water stress, for example, don't necessarily mean that a country will fall victim to scarcity. Armed with the right information, countries facing extremely high stress can implement management and conservation strategies to secure their water supplies. Singapore, for example, has the highest water stress ranking. The country is densely populated and has no freshwater lakes or aquifers, and its demand for water far exceeds its naturally occurring supply. Yet the country is consistently held up as an exceptional water manager. Singapore invests heavily in technology, international agreements, and responsible management, allowing it to meet its

freshwater needs. Advanced rainwater capture systems contribute 20 percent of Singapore's water supply, 40 percent is imported from Malaysia, grey water reuse adds 30 percent, and desalination produces the remaining 10 percent of the supply to meet the country's total demand. These forward-thinking and innovative management plans provide a stable water supply for Singapore's industrial, agricultural, and domestic users –even in the face of significant baseline water stress.

- (A) Singapore is held as an example for water management. Match the strategies with the actual practice. a) Use of technology i) import from Malaysia b) International agreement ii) rain water capture c) Responsible management iii) desalination and grey water use
- 1) a ii, b i, c iii
- 2) a ii, b iii, c i
- 3) a iii, b i, c ii
- 4) a i, b ii, c iii

Ans:3

- **(B)** In water stressed countries, which of the following consume more water according to the passage?
- 1) Industries
- 2) Farms
- 3) Businesses
- 4) Communities

Ans: 1

- (C) Which statement is NOT correct according to the passage?
- (i) In highly water stressed countries more than 80% water is used by agriculture, domestic and industrial users.
- (ii) Forward-thinking and innovative management plans can provide a stable water supply for a country.
- (iii) Extremely high levels of baseline water stress mean that a country will fall victim to scarcity.
- (iv) Forward-thinking and innovative management plans can provide a stable water supply for a country.

Ans : iii

Section-III: Numerical Ability

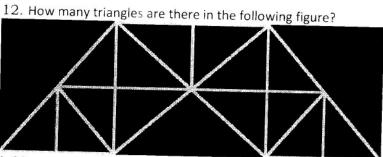
(Each question carries:1 mark; Total Mark: 15)

 The curved surface area of a hemisphere is 72π cm2, then its radius is: 8 cm 7 cm 6 cm 5 cm
Ans: 3
2. If two is added to the denominator of a rational number it becomes 1 and if 4 is added to the numerator it becomes ½. Then the sum of the numerator and the denominator of the rational number is: 122 22
3. 2 4. 22
Ans: 1
3. If x1 and x2 are the roots of the equation $2x^2 + 3x - 9 = 0$ then the equation which has the roots $1/x^2$ and $1/x^2$ is: 1. $9x^2 + 3x - 2 = 0$
29x2 - 3x - 2 = 0 $3. 9x2 - 3x - 2 = 0$ $4. 9x2 - 3x + 2 = 0$
4. $9x2 - 3x + 2 - 0$ Ans: 3 4. The total number even factors of $25 \times 33 \times 52$ is:
1. 30 2. 5 3. 10 4. 60
Ans : 4
5. An army of 2100 men has provision for 50 days. After 10 days due to injuries some of them left and the food were now enough for next 50 days for remaining men. The number of men left is 1. 400 2. 420 3. 410
4. 650 Ans : 2
6. If the sum of 2 numbers is 185, their LCM is 1700 and HCF is 5. Then the difference between 2 numbers is: 1. 15
2. 10 3. 25
4. 20 Ans : 1
7. In a chemistry lab two beakers A and B contains 36% and 40% of spirit respectively. If two liters from A is mixed with 4 liters of B. The ratio of sprit and water in the resulting mixture is: 1. 19:46

2. 29:46 3. 29:55 4. 29:45 Ans:2
 8. Mr. Vivek divides Rs. 1703 such that 4 times the 1st share, thrice the 2nd share and twice the third share amount to the same. Then the value of the 2nd share is: 1. Rs. 452 2. Rs. 524 3. Rs. 520
4. Rs. 542 9. If three sides of the triangle is given 18 cm, 41 cm and 41 cm. Then the area of triangle is: 1. 375 cm2 2. 350 cm2 3. 360 cm2
4. 400 cm2 Ans: 3 10. Mr. Arun rows a boat with the stream at 10 km/hr and against the stream in 5
km/hr. In still water, his rate of rowing in km/h is: 1. 2 2. 2.5 3. 1 4. 3 Ans: 2 11. Mr. Shiva invested equal amount of money in two private firms which gives
11. Mr. Shiva lifeested equal amount of the simple interest per annum for 3.5 years and 5 years respectively. If the difference in their interests is Rs. 315. The amount invested by Mr. Shiva is: 1. Rs. 1400 2. Rs. 1450 3. Rs. 1405 4. Rs. 1500 Ans: 1
12. A train 130 meters long travelling at 54 km/hr crosses the bridge in 30 sec. Then the length of the bridge is: 1. 320 meters 2. 350 meters 3. 325 meters 4. 375 meters
Ans: 1 13. A can finish the work in 30 days and B in 40 days. They both work together for 5 days and then B leaves. How many days will A take to complete the remaining work? 1. 22 days 2. 21.75 days 3. 21.25 days
4. 21 days Ans: 3 14. The average of 7 numbers is 28. The average of first three of them is 23 and the last three of them is 42. Then the fourth number is: 1. 3
2. 2 3. 1 4. 0

15. The number of terms in the sequence 5, 20, 80, 320,, 512	20 is:
2. 7 3. 6 4. 8	
	Ans:3
Section-IV: Logical Reasoning	
(Each question carries:1 mark; Total Mark: 15)	
 Hemant is older than Bipin. Vinod is older than Sudhanshu. Mamta is old as Vinod but is older than Bipin. Sudhanshu is not as old as Bipin the youngest? Mamta Bipin Sudhanshu Hemant 	s not as n. Who is
	Ans : 3)
 Five friends are sitting around a circular table. Rahul is to the right of F and is second to the left of Sachin. Tushant is not between Pramod and S Kamal is second to the right of Tushant. Who is second to the left of Rahu 1. Tushant Kamal Pramod Sachin 	
	Ans: 2
3. Dinesh walks 2 km towards South and turns to his right and walks 3 k then turns to his right and walks 4 km and turns again to his right and w another 3 km. He then turns left and walks 1 km and stops there. How far which direction is Dinesh from the starting point? 1. 5 km West 2. 3 km North 3. 3 km East 4. 5 km South	
	Ans : 2
 4. Choose the correct alternative that will complete the given number series 28, 65, ?, 217 1. 126 2. 102 3. 146 4. 193 	s. 2, 9,
5. Select the related number from the given alternatives. 29:65::43:? 1. 86 2. 76 3. 93	Ans : 1
4. 92	Ans: 3

6. 'R' is the husband of 'Q', 'P' is the daughter of 'R', 'S' is the husband daughter of 'S'. What is the relationship of 'E' to 'Q'?	oand of 'P', 'E' is
Cousin Daughter	
3. Grand Daughter	
4. Niece	Ans: 3
7 From the given alternatives select the word which cannot be foliatters of the given words. EXAMINATION 1. NATION 2. INMATE 3. EXAMINE	formed using the
4. ANIMATION	Ans: 3
8. What is related to 'Sympathy' in the same way as 'Virtue' is rel1. Emotion2. Cruelty3. Kindness	ated to Vice?
4. Charity	Ans : 2
 9. Select the related letters from the given alternatives. ADGJ: Q 1. NQTV 2. PQWZ 3. PSVY 4. CFIL 10. Some equations are solved on the basis of a certain system. 	Ans:3
answer for the unsolved equation on that basis. 11 * 7 = 72, 14 * 7 = 147, 17 * 9 = ? 1. 240	
2. 175	
3. 208 4. 233	Ans : 3
11. Find the missing number from the given alternatives	
1. 42	
2. 41	
3. 51 4. 49	
4. TJ	Ans: 4



- 1. 30 or more
- 2.14
- 3.29
- 4.25

Ans: 3

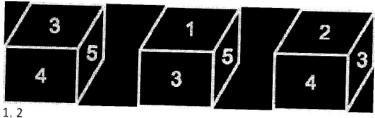
- 13. Dinesh walks 2 k n towards South and turns to his right and walks 3 km. He then turns to his right and walks 4 km and turns again to his right and walks another 3 km. He the 1 turns left and walks 1 km and stops there. How far and in which direction is Dir csh from the starting point?
- 1.5 km West
- 2. 3 km North
- 3.3 km East
- 4.5 km South

Ans: 2

- 14. Identify the word which belongs to the class of given words. Ring, Bracelet, Necklace, _
- 1. Bangle
- 2. Gold
- 3. Jewellery
- 4. Ornament

Ans: 1

15. Three positions of a α be are shown below. Which number will be opposite to the face containing 4?



- 2.1
- 3.5
- 4.6
- Ans: 2

PAPER-II

General Knowledge on Indian Railway (Each question carries:2 mark; Total Mark: 40)

(Each question carries:2 mark; Total Mark: 40)
1. When was the first train steamed off in India?
a. 1848b. 1853c. 1875d. 1880
Ans- b
2. Which of the following is the headquarters of the newly established railway zone 'East Coast Railways'?
a. Vishakhapattnamb. Kolkatac. Hyderabadd. Bhubaneswar
Ans- d
3. Which train in India has the longest route length?
 a. Howrah - Jammu Tawi Himgiri Express b. Kanyakumari - Jammu Tawi Himsagar Express c. Kanyakumari - Dibrugarh Vivek Express d. Guwahati-Thiruvanthapuram Express
Ans- c
4. In which of the following cities are located 3 zonal headquarters of Indian Railways?
a. Guwahatib. Mumbaic. New Delhid. Kolkata
Ans- b
5. Which of the following is the largest marshalling yard in India (also the longest in Asia)?
a. Mughalsaraib. Mathurac. Itarasid. Guntakal
Ans- a
6. What is the rank of India in the world in terms of length of railroad network?

- a. First
- b. Second
- c. Third
- d. Fourth

Answer (d).

- 7. Which of the following is the eastern-most division of the Indian Railways?
 - a. Tinsukia
 - b. Lumding
 - c. Rangiya
 - d. Katihar

Answer (a).

- 8. Over which of the following rivers is the world's highest railway bridge in Kashmir being constructed?
 - a. Chenab
 - b. Jhelum
 - c. Sutlei
 - d. Indus

Answer (a).

- 9. What is the width of broad guage railway line in India?
 - a. 5 feet 3 inches
 - b. 5 feet 6 inches
 - c. 4 feet 11 inches
 - d. 5 feet 4 inches

Answer (b).

- 10. What is the name of the first train of Indian Railways handed over to private players for operation?
 - a. Tejas Express
 - b. Shatabdi Express
 - c. Karnataka Express
 - d. Duronto Express

Answer (a).

- 11. On November 14, 2019, With which locomotive factory, Indian Railways & French multinational company Alstom have entered into procurement cum maintenance agreement to deliver the 10 locomotives in FY (fiscal year) 2019-20? Modern Coach Factory
 - a. Integral Coach Factory
 - b. Rail Wheel Factory
 - c. Madhepura Electric Locomotive Pvt. Ltd.

Answer (a).

- 12. The first Indian railway line was opened by the British:
- a. From Delhi to Bombay

- b. From Bombay to Thane
- c. From Calcutta to Allahabad
- d. From Bombay to Madras

Answer (b).

- 13. When was the first underground railway (Metro Railway) started?
 - a. 1982
 - b. 1989

 - c. 1984d. 1992

Answer (c).

- 14. How many Railway Zone in India?
- a. 14
- b. 12
- c. 18d. 19

Answer (c).

- 15. South Eastern Railway head quarter in Kolkata?
- a. Garden Reach, Kolkata
- b. Fairley Place, Kolkata
- c. Park Street, Kolkata
- d. Maidan, Kolkata

Answer (a).

- 16. Where the DLW locomotive manufacture in India?
- a. Kolkata
- b. Allahabad
- c. Varanasi
- d. Chennai

Answer (c).

- __the largest locomotive production unit in the world with a record of 402 locomotives produced in a year.
- a. Chittaranjan Locomotive Works
- b. Electric Locomotive Factory, Madhepura
- c. Integral Coach Factory, Chennai
- d. Rail Coach Factory, Kapurtala

Answer (a).

- 18. Gorakhpur which has the longest railway platform in the world is located in which of the following states?
- a. Odisha

- b. West Bengal
- c. Uttar Pradesh
- d. Chhattisgarh

Answer (c).

- 19. The Maitree Express connects India with which of the following countries?
 - a. Myanmar
 - b. Pakistan
 - c. Bangladesh
 - d. Nepal

Answer (c).

- 20. Who among the following is a first female locopilot (train driver) of the Indian Railways in India $\mathbf{?}$
 - a. Rajashree Sachdev
 - b. Bhavani Kumari
 - c. Ritu Chauhan
 - d. Surekha Shankar Yadav (Surekha Yadav)

Ans: D