

KENDRIYA VIDYALAYA SANGATHAN AHMEDABAD REGION

LEARNER'S ACHIEVEMENT TEST(LAT-I)- 2022

CLASS-IX

Time allotted- 1.5 Hour

Max. Marks- 40

Name of the Student: _____ Class: _____ Section _____ Roll no. _____
Name of the KV: _____ Sign. of Invigilator: _____

General Instructions:

- The question paper contains five sections English, Hindi, Math, Science and SST.
- There are 20 questions in all.
- Each question carries 2 marks.

SECTION: A

Read the following passage carefully:

For the mobility-impaired, highly trained canines called 'service dogs' can pick up dropped keys, open and close drawers, retrieve prepared meals, help a person in and out of the bathtub, dial 911, push and pull wheelchairs, help operate a car or van and pull off gloves, shoes, socks, and jackets. Other dogs provide specific assistance to those who suffer seizures (sudden attacks of illness) and require special medication. And, of course, helping dogs provide companionship, play, and give unconditional love to the people they assist. It is thirty-odd years now since the placement of the first assistance dog. But only in recent years, with the rising independent movement among disabled people the idea has begun to spread widely. While most service dogs are trained to work with people who rely on wheelchairs, other categories of helping dogs include hearing-dogs who alert their owners to sounds, such as doorbells, phones, cooking timers, alarm clocks, smoke alarms and seizure dogs which carry medication in their packs and are trained to dial 911 on large keypad phones.

Answer the following questions by selecting the most appropriate option:

Q-1A. Which one is not classified under Canine:

- a. Deer
- b. Dog
- c. Wolf
- d. Jackal

Q-1B. The idea of assistance of dogs became popular due to the :

- a. independent movement among the disabled
- b. awareness by hospitals
- c. independence of the country
- d. both (a) and (c)

Q-2A. The categories of helping dogs are:

- a. domestic dogs and service dogs
- b. service, hearing and seizure dogs
- c. hunting and domestic dogs
- d. seizure dogs and hunting dogs

Q-2B. There is a difference between:

- a. The service dogs and the helping dogs
- b. The service dogs and canines
- c. The canines and ordinary dogs
- d. Both b and c

Q-3A. Find the word in the para-1 which means the same as "RESTORE".

- a. impaired
- b. assist
- c. seizures
- d. retrieve

Q-3B. Give the noun form of 'trained'

- a. trainee
- b. trains
- c. training
- d. both a and c

SECTION : B

निम्नलिखित गद्यांश को पढ़कर नीचे दिए गए प्रश्नों सही उत्तर दीजिए :-

दूसरों को स्नेह देना और उनका सम्मान करना सामाजिक सफलता का एकमात्र मंत्र है। जीवन में सुख-शांति और उन्नति चाहने वाले प्रत्येक महत्वाकांक्षी को सबसे पहले यही सीख धारण करनी चाहिए। युधिष्ठिर के राजसूय यज्ञ में कृष्ण ने लोगों के स्वागत की ज़िम्मेदारी ली और बदले में उस यज्ञ के सर्वाधिक पूज्य व्यक्ति माने गए। ईसा मसीह, गौतम बुद्ध, महावीर, महात्मा गाँधी जैसे महापुरुषों में रंचमात्र भी अभिमान न था, उन्होंने सदैव दूसरों को महत्त्व दिया और इस तरह से वे स्वयं महान बन गए। मान-सम्मान का मूल्य चुकाना असंभव है। बिना मान-सम्मान के यदि अमृत भी मिले तो विष बन जाता है और मानपूर्वक दिया गया विष अमृत बन जाता है। विद्यार्थी जीवन का प्रथम पाठ यही है कि वह गुरु के प्रति सच्चे सम्मान का भाव अपने हृदय में पैदा करे, अन्यथा उसकी विद्या निष्फल हो जाएगी।

प्र.4. सही उत्तर विकल्प का चयन कीजिए :-

(4-A) देश के महापुरुषों में किस भावना का तनिक भी अंश नहीं होने के कारण महान बने हैं ?

- (अ) ज़िम्मेदारी
- (ब) अभिमान
- (स) महत्वाकांक्षी
- (द) इनमें से कोई नहीं

(4-B) जैन धर्म तथा बौद्ध धर्म के प्रवर्तक का सही युग्म है ?

- (अ) ईसा मसीह, गौतम बुद्ध

- (ब) महावीर, महात्मा गाँधी
 (स) महावीर, गौतम बुद्ध
 (द) गौतम बुद्ध, महात्मा गाँधी ।

प्र.5. सही विकल्प का चयन कीजिए :-

(5-A) 'सर्वाधिक' शब्द का संधि-विच्छेद कौन-सा है ?

- (अ) सव + अधिक,
 (ब) सवा + धिक,
 (स) सर्व + अधिक,
 (द) इनमें से कोई नहीं

(5-B) गद्यांश में " सफल " शब्द का कौन-सा विलोम शब्द रूप आया है चुनकर लिखें ?

- (अ) सफलता
 (ब) निष्फल
 (स) उन्नति
 (द) इनमें से कोई नहीं

SECTION : C

Q-6A. The unit digit of cube of 28 is:

- (a) 9
 (b) 2
 (c) 7
 (d) 1

Q-6B. There are 16 plants planted in a row and there is a gap of 1.5 m between two plants. Find the total distance between the first plant and the last plant.

- (a) 24.4
 (b) 24.0
 (c) 21.0
 (d) 22.5

Q-7. The value of $(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 4^{-1})^{-1}$ is

- (a) 44
 (b) 56
 (c) 68
 (d) 12

Q-8. An item marked at Rs 840 and sold for Rs.714. What is the discount and discount%

- (a) 126 and 15%
 (b) 162 and 16%
 (c) 162 and 51%
 (d) 126 and 12%

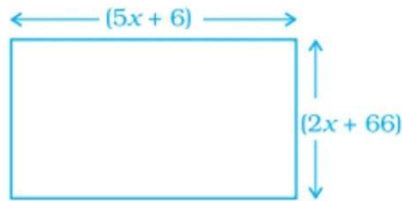
Q-9. The value of $\sqrt{248 + \sqrt{52 + \sqrt{144}}}$ is

- (a) 14

- (b) 16
- (c) 12
- (d) 13

Q-10. For what value of x is the perimeter of shape is 186cm?

- (a) 1
- (b) 2
- (c) 4
- (d) 3



SECTION : D

Q-11. Metals are known for having the special physical property like good conductor of heat and electricity, ductile and malleable.

11-A. Ornament are made by using the metals because they are

- a) Good conductor of heat.
- b) Good conductor of electricity
- c) Ductile
- d) Malleable



11-B. Cooking pans are made up of metals because they are

- a) Good conductor of heat.
- b) Good conductor of electricity
- c) Malleable
- d) Ductile



Q-12. It is recommended that we should wear light color and cotton clothes during summer and woolen clothes during winter.

12-A. Cotton cloth keeps our body cool as -

- a) It allows sweat to get evaporated
- b) It is light in weight
- c) The fabric is smooth
- d) Easy to maintain



12-B. We wear woolen clothes during winter because

- a) Easily available
- b) Cheap
- c) Trap air and acts as insulator
- d) Easy to maintain



Q-13 A non-renewable resource refers to a natural resource that is found beneath the earth, which when consumed, does not replenish at the same speed at which it is used up. The resources typically take millions of years to develop. The main examples of non-renewable resources are fuels such as oil, coal, which humans regularly draw to produce energy.

13-A. Which is non-renewable source of energy'?

- (a) Natural gas



- (b) Wind energy
- (c) Tidal energy
- (d) Mechanical energy

13-B. Which of the following is not a fossil fuel?

- (a) Coal
- (b) Petroleum
- (c) Natural gas
- (d) Water gas

Q-14. Power plants release the majority of sulfur dioxide and much of the nitrogen oxides when they burn fossil fuels, such as coal, to produce electricity. In addition, the exhaust from cars, trucks, and buses releases nitrogen oxides and sulfur dioxide into the air. These pollutants cause acid rain.

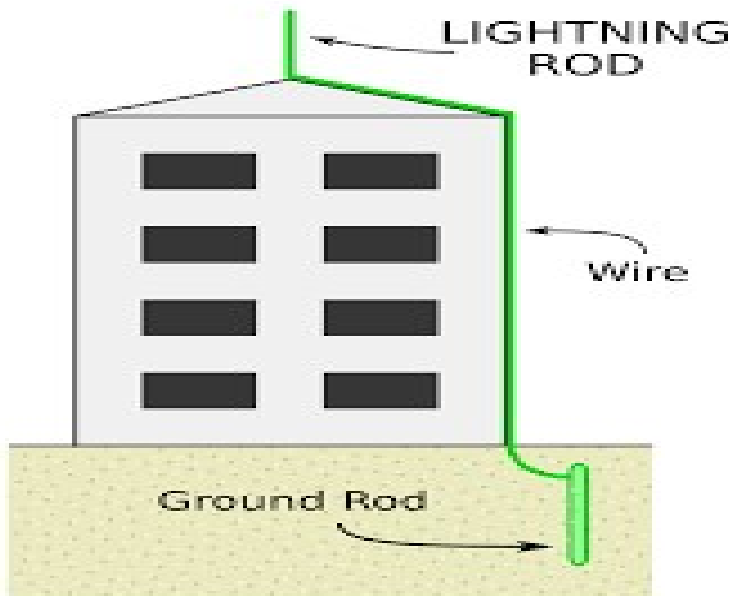
14-A. Which acids are present in acid rain?

- a) HCL and Acetic Acid
- b) HCL and Nitric Acid
- c) Nitric Acid and Sulphuric Acid
- d) Sulphuric Acid and Acetic Acid

14-B. Fossil fuels are considered as

- a) Ultimate source of energy
- b) Non-renewal source of energy
- c) Renewal source of energy
- d) All of the above

Q-15. Lightning conductor a device used to protect tall building from lightning. It consists of a long thick copper rod passing through the building to the ground. The lower end of the rod is connected to a copper plate buried deeply into the ground.



15-A. Where is the lightning conductor located?

- a) In the bottom of the building
- b) On the top of the building
- c) In the middle of the building
- d) Anywhere can be installed

15-B. The process of transfer of charges from a charged object to the earth is called

- a) Lightning
- b) Oscillation
- c) Earthing
- d) Electron movement

SECTION : E

Q-16A. Gujarat produces lot of cotton because of presence of?

- a) Black and alluvial soil
- b) Red Soil
- c) Laterite Soil
- d) Loamy soil

Q-16B. Parliament of India consists of:

- a) The President
- b) Lok Sabha
- c) Rajya Sabha
- d) All a,b and c

Read the following extract and answer the following.

In pursuit of gold

This is what a Moderate leader, Dinshaw Wacha, wrote to Naoroji in 1887: Pherozeshah is nowadays too busy with his personal work ... They are already rich enough ... Mr. Telang too remains busy. I wonder how if all remain busy in the pursuit of gold can the progress of the country be advanced?

Q-17A. Given statement is written by?

- a) Dinshaw Wacha
- b) Naoroji
- c) Pherozeshah
- d) Telang

Q-17B. Who were busy to collection of wealth?

- a) Dinshaw and Telang
- b) Naoroji and Dinshaw
- c) Pherozeshah and Telang

Q-18. Match the following and select the correct option given below

Column - I	Column - II
1. Private Sector	A. Hindustan Aeronautical Ltd.
2. Public Sector	B. Maruti Udhyog Ltd.
3. Joint sector	C. Poddar & Sons Pvt. Ltd.
4. Co-operative Sector	D. Amul

- a) D,B,C,A
- b) A,D,B,C
- c) D,C,B,A
- d) C,A,B,D

Q-19. This fundamental right allows citizens to move the court if they believe that any of their fundamental rights have been violated by the state.



- a) Right against Exploitation
- b) Cultural and Educational rights
- c) Right to freedom of Religion
- d) Right to constitutional Remedies

Q-20. In a fair trial _____



- a) The innocent is acquitted
- b) Both the guilty and the innocent get a certain amount of punishment
- c) The guilty is acquitted
- d) Neither the guilty nor the innocent get any punishment

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