



# **DELHI PUBLIC SCHOOL**

**VISAKHAPATNAM STEEL PLANT**

## **REVISION ASSIGNMENT 2019 - 20**

**Class: IX**

### **Subject: ENGLISH**

1. Read the passage and answer questions given below-

The greatest and the most precious asset of a country is its people. These people form the wealth of a nation. It is on the quality of the citizens that the prosperity of a nation depends. If we look back into the history of civilization, this hypothesis becomes crystal clear. This was the main reason behind the economic revolution achieved by some countries, badly battered, ravaged and ruined during the Second World War. Germany and Japan were virtually shattered and their economies were in shambles. But with the organizational skill, talent, vigour, inventive genius and indomitable spirit of their people, they achieved within a short span, a measure of momentous miracle. The main hurdle in the path of progress in poor countries, is the inadequate utilisation of human resources and its improper channelising.

Human resource development signifies identifying and developing the capabilities inherent in every citizen to its full extent. Health and education of a person is more important than land and capital. The first priority for human resource development is, therefore, extending relief to the poverty stricken so that they can overcome their physical and mental disabilities. The next task is to provide the requisite facilities for purposeful training of available manpower, so that its creative abilities are cultivated and it is equipped with the skills needed to perform a productive role and contribute to the maximum prosperity of the maximum number.

The complex array of goal achievement calls for a multi-directional effort. Fortunately India is realising the importance of such a programme.

- 1) What contributes to the prosperity of a nation?
- 2) How did the countries battered by world war revive their economies?
- 3) What hinders progress in poor countries?
- 4) What can develop the creative abilities of people?
- 5) Find words in passage that mean-
  - a) Assumption- ( Para 1)
  - b) Unconquerable- ( Para 1)

2. Fill in the blanks with suitable words-

Our maidservant washes our clothes daily. One day she didn't turn up. (a)\_\_\_\_\_ no alternative, I decided (b) \_\_\_\_\_ my school uniform myself. I added some washing powder to lukewarm water and lathered it. I let the uniform (c) \_\_\_\_\_ in the soapy lukewarm water for some time. Then I scrubbed on the collar and cuffs (d) \_\_\_\_\_ the grime out. Then I rinsed the uniform in water a few times. After (e) \_\_\_\_\_ thoroughly, I wrung out the excess water gently. While (f) \_\_\_\_\_ it on the line, I took care (h) \_\_\_\_\_ out all the creases. This was my first experience of (i) \_\_\_\_\_ my uniform.

3. Error Correction-

	Incorrect	Correct
The more important advantage of a nuclear family are that people get his privacy.	a)	
In a joint family, their are restrictions where todays generation do not like.	b)	
	c)	
	d)	
	e)	
	f)	

4. Rearrange into meaningful sentences-

- a) Become/ TV / medium / a / has / powerful / days / these
- b) People / glued / children / and older / remain / it / to
- c) Entertainment / all / become / a great / for / it / has / source of

5. Answer the following-

- What was the need for the intruder to impersonate? (If I were you)
- What had happened to the author's bag? What were the things that fell out of his bag? ( Accidental Tourist)
- What was the first lie that Kushroff told Sergei? (The beggar)
- Why was Johnsy counting numbers in the descending order? ( The last leaf)

**Subject: MATHEMATICS**

- Draw the graph of  $x + 3y - 8 = 0$  on a Cartesian plane. Find whether (2,2) is a solution or not.
- Draw a line segment  $QR = 5$  cm. Construct perpendicular at point Q and R to it. Name them as QX and RY respectively. Are they both parallel ?
- AB and CD are two parallel chords of a circle lying on the opposite sides of the centre such that  $AB = 24$  cm and  $CD = 10$  cm. If the chord AB is at a distance of 5 cm from the centre, and the distance of chord CD from the centre of the circle.
- The radii of two circular cylinders are in the ratio 2 : 3 and their heights are in the ratio 5 : 4 .Calculate the ratio of their volumes.
- The mean height of 10 students was 153 cm .But later on it was discovered that 151 cm was wrongly read as 141 cm .Find the correct mean.
- Angles of a triangle are  $x + 30^\circ$  ,  $2y + 40^\circ$  and  $y + 50^\circ$  .Write a linear equation which satisfies this data . Also , draw the graph for the same.
- Solve for x :  $(5x + 1)(x + 3) - 8 = 5(x + 1)(x + 2)$
- Construct a triangle having sides of length 6.2 cm , 7.3 cm and 6 cm. Measure all the three angles. Bisect the smallest and the largest angles. Measure any acute angle formed by the bisecting rays at the point of intersection.
- The volume of a right circular cylinder of height 7 cm is  $567 \text{ cm}^3$  .Find its curved surface area.
- A child makes a ball for playing by crushing the used newspaper in ball shape of radius 10.5 cm and taped it all around.
  - If the width of the tape is 5.5 cm, how much length of the tape is used?
  - Which value is depicted.
- The lateral surface area of a right circular cylinder of height 12 cm is  $1848 \text{ cm}^2$  . Find the volume of the cylinder.
- Surface areas of two spheres are in the ratio 36 : 25.
  - Find the ratio of their volumes.
  - If the difference of the radii is 4 cm , find the radius of each sphere.
- The diameter of a top of a conical reservoir is 4.5m and depth is 14 m. Find the volume of reservoir in litres.
- Construct a  $\Delta ABC$  in which  $BC = 4.7$  cm ,  $AB + AC = 8.2$  cm and  $\angle C = 60^\circ$  .
- Construct  $\Delta SQR$  in which  $QR = 4$  cm ,  $\angle Q = 30^\circ$  and  $SQ - SR = 3.1$  cm.

**Subject: PHYSICS**

- Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.
- Two stones are thrown vertically upwards simultaneously with their initial velocities  $u_1$  and  $u_2$  respectively. Prove that the heights reached by them would be in the ratio of  $u_1^2 : u_2^2$
- A truck of mass M is moved under a force F. If the truck is then loaded with an object equal to the mass of the truck and the driving forces is halved, then how does the acceleration change?
- What is momentum? Write its unit. Interpret force in terms of momentum. Represent the following graphically (a) momentum versus velocity when mass is fixed. (b) momentum versus mass velocity is constant.
- Gravitational force acts on all objects in proportion to their masses. Why then, a heavy object does not fall faster than a light object?
- Define g and G. Establish relation between them.
- The power of a motor pump is 2kW. how much water per minute the pump can raise to a height of 10m?
- Two bodies are in equilibrium when suspended in water from the arm of a balance. The mass of one body is 36 g and its density is 9 g/c.c . If the mass of the other is 48 g, What is its density in g/c.c?

## Subject: CHEMISTRY

1. The nucleus of an atom of an element contains 12 protons and 12 neutrons. Determine the atomic number and mass number of the element.
2. P,Q,R,S, are four elements having 1,3,5,7, electrons in their M orbit. Find the atomic numbers of the elements.
3. What are Isotopes? Give any three examples and write the characteristics of Isotopes.
4. A,B,C,D,E,F are the elements with atomic numbers 3,6,8,13,15,17 respectively. Write
  - a) name of the element
  - b) symbol
  - c) electronic configuration
  - d) no. of valence electrons
  - e) nature of the element
5. a) Why do elements have fractional atomic masses?  
b) Natural Chlorine consists of two isotopes – 75% of  $\text{Cl}^{35}$  and  $\text{Cl}^{37}$ . Calculate the average atomic mass of Chlorine.
6. Differentiate the following with examples.
  - a) compound and mixture
  - b) physical and chemical change
  - c) saturated and unsaturated solutions
  - d) aqueous and non-aqueous solutions
  - e) homogenous and heterogeneous mixtures
  - f) true solution and colloids
7. Write chemical formulae of the following compounds
  - a) Calcium Sulphide
  - b) Sodium Phosphate
  - c) Nickel Borate
  - d) Ammonium Dichromate
  - e) Phosphoric acid
  - f) Lead Nitrate
  - g) Potassium Bi carbonate
8. Calculate the number of moles of phosphorous in 128gms of it assuming that molecular formula of it is  $\text{P}_4$
9. How many gram molecules are present in 600 gms of Calcium Carbonate?

## Subject: BIOLOGY

1. Which cell organelle is associated with elimination of old and worn out cells? Why?
2. Differentiate between RER and SER.
3. Explain different types of simple permanent tissues with diagrams.
4. What are the desirable agronomic characteristics for crop improvement?
5. Explain composite fish culture. What is its disadvantage?
6. Differentiate the nature of skin in different classes of vertebrata.
7. Define antibiotics. Name a disease where antibiotics has no role.
8. The immune system of Hari is damaged by the attack of a pathogen on his body.
  - i) Name the pathogen that has attacked his body.
  - ii) Mention any three modes of transmission of this disease.
9. Which bacterium causes peptic ulcers. Who discovered the pathogen for the first time?
10. With the help of a labelled diagram, show Carbon cycle in nature.
11. Name a man made component responsible for the depletion of ozone layer. What harm does ozone depletion cause?

## Subject: SOCIAL SCIENCE

1. What role did the philosophers play in the French revolution ?
2. Write 3 features of the constitution on 1791.
3. Why were the people of Bastar worried ?
4. What was the Blandongdienstn system ?
5. What are the peculiar features of Nazi thinking ?
6. What did Stalin do to develop modern farms ?
7. How did the first world war affect the industry in Russia ?
8. What happened in schools under Nazism ?
9. India's routes have been important since ancient times. Explain.
10. Describe the central highlands.
11. Why are rivers important for the country's economy ?
12. The Tamil Nadu receives winter rainfall. Explain ?

13. What are the main features of South-West monsoons ?
14. How are forests important for human beings ?
15. Describe the following factors which are responsible for the huge diversity of flora and fauna in India.
16. Give reasons for the depletion of flora and fauna in India.
17. What is population density ? which factors influence the population distribution in India ?
18. Give arguments against democracy.
19. What amendments did General Musharraf bring in the constitution of Pakistan ?
20. What do you mean by constitutional amendments ? Why are they essential ?
21. What is mean by booth capturing ?
22. What are the challenges of the Indian Election system ? Suggest some ways to handle these challenges.
23. Describe the 3 categories of Ministers which constitute of the council of ministers.
24. What is right to freedom ? Mention different rights that come under it.
25. What is physical capital ? Give examples. What are the items coming under it ?
26. For what purposes was the mid-day meal scheme introduced ?
27. What are the dimension of poverty ?
28. There is plenty of food in the world for everyone, then why do so many people still die of hunger?
29. Differentiate between seasonal hunger and chronic hunger ?
30. What are the draw backs of the public distribution system ?

**Subject: हिंदी (द्वितीयभाषा)**

1) विषयों पर 100 शब्दों में अनुच्छेद लिखिए:

क) सांप्रदायिक सद्भाव

ख) बिना विचारे जोकरे सोपाछेपछताय

ग) प्रकृति और मानव

2) वर्ण विच्छेद कीजिए: उत्पात, अतिथि, कीचड़, धर्म, कल्याण

3) उचित स्थान पर अनुस्वार-अनुनासिकलगाइए: मास, अडे, हसी, धुआ, आच

4) उचित स्थान पर नुक्तालगाइए: अंग्रेजी, मजदूर, फरेब, जाहिर, फर्ज

5) उपसर्ग एवं मूल शब्द अलग-अलग करके लिखिए: विदेशी, परीक्षा, अनजान, संस्थान, अन्याय

6) मूल शब्द एवं प्रत्यय अलग - अलग करके लिखिए: उत्साहित, धार्मिक, घुमक्कड़, गुस्सैल, व्यक्तित्व

7) संधि कीजिए: अमृत+ अंजन, मनः+ रथ, सु+ आगत

8) उचित स्थान पर विराम चिह्न लगाकर वाक्य पुनः लिखिए:

क) परलोकीचड़ का नाम लेते ही सब बिगड़ जाता है

ख) राजेश ने कहा मुझे मिठाई खिलौने और कपड़े चाहिए

ग) वह खेलते खेलते गिर गया

9) अपने मित्र को पत्र लिखिए जिसमें हिंदी की महत्व और लाभ बताए गए हों।

**Subject: తెలుగు (ద్వితీయ భాష)**

1. ధర్మరాజు శాంతి వచనాలు సొంత మాటలలో వ్రాయుము.
  2. జంగాల శాస్త్రి ఆవేదనతో పలికిన పలుకులు ఏమిటి?
  3. నంద గోపాలుని గుణగణాలను వర్ణించుము.
  4. భద్రి రాజు కృష్ణ మూర్తి భాష సేవ గురించి వ్రాయుము.
  5. కలాం ఆశయ సాధనలో ఎలా కృతకృత్యు డయ్యాడు
  6. మంచి విద్యార్థికి ఉండవలసిన లక్షణాలు ఏమిటి?
- II. ఈ క్రింది పర్యాయ పదములు వ్రాయుము.
1. మోదము            2. ధరిత్రి            3. చెలికాడు
- III. ఈ క్రింది ప్రతిపదార్థము వ్రాయుము.
1. ప్రల్లదమాడి పెద్దలకు బాధ యొనర్చునతండు
  2. కుల శైల పాడు పెల్లగిలీ దిక్కులంబున
  3. కావున శాంతి బొందుట కర్ణము దానది యట్టులుండె
- III. అర్థ సందర్భములు
1. క్రూర భుజంగముల గవయః గుడుసే
  2. నియోజిత నియోజన స్వాతంత్ర్యము
- IV వ్యాసాలు: క్రీడలు - లాభాలు విజ్ఞాన యాత్రలు

**Subject: SANSKRIT**

2. శబ్ద రూపాణి लिखत - राम, नदी, अस्मद्, किम्(पुल्लिंग स्त्रीलिंग ) ।
3. आप्, चिन्त्, हन्, पठ्, भ् शब्दस्य धातुरूपाणि लट्, लृट् लङ् लकारे लिखत ।
4. समया, बहिः, पुरुतः, अधः, पृठतः उपपदविभक्ति शब्दस्य संस्कृते वाक्य प्रयोगं कुरुत ।
5. दीर्घ सन्धिः, गुण सन्धिः, वृद्धि सन्धिः, यण सन्धिः, व्यञ्जन सन्धिः विसर्ग सन्धिः च पञ्च-पञ्च उदाहरणानि लिखत।
6. तुमुन् , क्त्वा ,ल्यप् , प्रत्ययस्य पञ्च - पञ्च उदाहरणानि लिखत ।
7. आ, वि, प्रति, उप, अनु, निर्, अधि, अप, नि तथा अव - उपसर्गो का प्रयोग वाक्यों में करें । ।
8. संस्कृत में संख्या लिखें - 5,17, 25,31,43,56,67,71,82,98 ।