

# SGJ DAV Senior Secondary Public School, Haripura

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

Subject: English

Maximum Marks: 100

### General Instructions

It is mandatory for all the students to solve the assignment.

Internal assessment will be given on the basis of this assignment.

### (Part A) 35 Marks

1. Write names of different animals about which you have read in the lesson 'The Adventures of Toto'.  
2 Marks
2. Where was Toto kept immediately after Grandfather got him? Why?  
2 Marks
3. How did Toto get along with other animals?  
2 Marks
4. Why did Grandfather decide to include the monkey in his private zoo?  
2 Marks
5. How does Toto come to Grandfather's zoo?  
2 Marks
6. 'Toto was a pretty monkey.' Discuss.  
2 Marks
7. Grandfather takes Toto to Saharanpur. Why and how?  
2 Marks
8. Where was the poet standing? Why was he puzzled?  
2 Marks
9. Which of the two roads did the poet choose and why?  
2 Marks
10. Give in brief the central idea of the poem, 'The Road Not Taken'.  
2 Marks
11. What kind of teachers did Margie and Tommy have?  
2 Marks
12. What did the County Inspector do?  
2 Marks
13. Why did the child go towards the temple? What happened there?  
2 Marks
14. How was the child lost in the fair?  
2 Marks
15. Extract-  
Two roads diverged in a yellow wood,  
And sorry I could not travel both  
And be one traveller, long I stood  
And looked down one as far as I could  
To where it bent in the undergrowth.  
A) Name the poem and the poet.  
B) How many diverging roads were there?  
C) Name the poetic device used in first line.  
D) What did he keep looking back?  
4 Marks
16. It was a very old book. Margie's grandfather once said that when he was a little boy his grandfather told him that there was a time when all stories were printed on paper.  
3 Marks  
A) What old book has been referred to here?  
B) Who turned the pages of the book?  
C) How did the pages look?

### (Part B) 35 Marks

1. Read the chapter 'The Sound of Music' (Part-1, Part-2) and 'The Little Girl' from e-book and make a list of difficult words along with their meanings. After reading these lessons thoroughly, note down important points in the form of summary.

### (Part C) 30 Marks

#### Weekly Test (Every Saturday)

1. Speaking Skills- any one story of your choice or article (Good Manners, Aim of My Life ) (10Marks)
2. Quiz based upon poem 'The Road Not Taken' (10Marks)
3. Test based on Tenses (10Marks)

Name:- Yougesh Nandini

Contact No. 7347242952

# SGJ DAV Senior Secondary Public School, Haripura

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

### Subject: Hindi

कुल अंक 100

#### भाग कअं 40 क

1. अपने क्षेत्र में फैली हुई बीमारी क्रोना वायरस के बारे में बताते हुए अपने मित्र को पत्र लिखें।  
अंक 10
2. अपने विद्यालय द्वारा छुट्टियों में प्रदान की जा रही ऑनलाइन कक्षाओं के बारे में बताते हुए अपने बड़े भाई को पत्र लिखें। अंक 10
3. शिक्षा की अनिवार्यता विषय पर शब्दों में निबंध लिखें 350। अंक 10
4. भारत में बढ़ता हुआ विदेशी वस्तुओं का प्रचलन विषय पर शब्दों में निबंध लिखें 350। . 10अंक

#### भाग ख अंक 40

5. प्रोजेक्ट कार्य . अंक 20

अपने क्षेत्र में उत्पन्न होने वाली समस्याओं के बारे में जानकारी एकत्रित कर उनके निवारण हेतु उपाय बताते हुए एक रिपोर्ट तैयार कीजिए।

6. गतिविधि अंक 20

अपने परिवारिक सदस्यों से उनके जीवन के बारे में बातचीत कर उनसे प्रश्न पूछें तथा ऑडियो या वीडियो के माध्यम से अपने हिंदी अध्यापक को भेज दीजिए। आपकी उच्चारण क्षमता के आधार पर आपको अंक दिए जाएंगे।

#### भाग गअंक 20

7. आप की पाठ्यपुस्तक में करवाए गए कार्य के आधार पर आपका लिखित और मौखिक परीक्षण लिया जाएगा जिसके लिए आप पाठ्यपुस्तक के प्रथमपाठ अच्छी तरह से याद करेंगे 2 ।

Name Neeshpal kaur.

Mobile no 8538629786

# SGJ DAV Senior Secondary Public School, Haripura

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

Subject: Punjabi

1) ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਤੇ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ

(35)

ੳ)- ਰੁੱਖਾਂ ਦਾ ਸਾਡੀ ਜਿੰਦਗੀ ਵਿੱਚ ਮਹੱਤਵ।

ਅ) - ਪੁਲਾੜ ਦੀ ਪਰੀ (ਕਲਪਨਾ ਚਾਵਲਾ)

ੲ)- ਪੱਕੀ ਕਾਪੀ ਪੂਰੀ ਕਰੋ

1. ਓ ਨਾਲ ਸ਼ੁਰੂ ਹੋਣ ਵਾਲੇ ਮੁਹਾਵਰੇ
2. ਇੱਕ ਸਧਾਰਨ ਆਦਮੀ
3. ਸ਼ੇਖ ਫਰੀਦ(ਜੇ ਕੰਮ 1 ਤਰੀਕ ਤੋਂ 14 ਤੱਕ ਕਰਵਾਇਆ ਗਿਆ ਹੈ)

2) ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਤੇ ਲੇਖ ਲਿਖੋ

(35)

ੳ)- ਮਹਿੰਗਾਈ ਦੀ ਸਮੱਸਿਆ

ਅ)- ਕਰੋਨਾ covid -19 ਇੱਕ ਭਿਆਨਕ ਮਹਾਮਾਰੀ

ੲ)- ਇੰਟਰਨੈੱਟ

ਸ)- ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਮੱਸਿਆ

ਹ)- ਮੇਲੇ ਅਤੇ ਤਿਉਹਾਰ

3 ) ਦੋ ਟੈਸਟ ਲਏ ਜਾਣਗੇ(ਗੁੱਗਲ ਫੋਮ ਦੁਆਰਾ)

(30)

ਕਿਸੇ ਵੀ ਪੁੱਛਗਿੱਛ ਲਈ

ਹਰਦੀਪ ਕੌਰ

9988249177

# SGJ DAV Senior Secondary Public School, Haripur

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

### Subject: Mathematics

- Do NCERT Exemplar EX 1.2, 1.3, 3.2, 3.3, 12.1 in your note book
- complete note book ch 1, 3, 12 in fair note book (40 marks)

#### EXERCISE 1.2

1. Let  $x$  and  $y$  be rational and irrational numbers, respectively. Is  $x + y$  necessarily an irrational number? Give an example in support of your answer.
2. Let  $x$  be rational and  $y$  be irrational. Is  $xy$  necessarily irrational? Justify your answer by an example.
3. State whether the following statements are true or false? Justify your answer.

(i)  $\frac{\sqrt{2}}{3}$  is a rational number.

(ii) There are infinitely many integers between any two integers.

(iii) Number of rational numbers between 15 and 18 is finite.

(iv) There are numbers which cannot be written in the form  $\frac{p}{q}$ ,  $q \neq 0$ ,  $p, q$  both are integers.

(v) The square of an irrational number is always rational.

(vi)  $\frac{\sqrt{12}}{\sqrt{3}}$  is not a rational number as  $\sqrt{12}$  and  $\sqrt{3}$  are not integers.

(vii)  $\frac{\sqrt{15}}{\sqrt{3}}$  is written in the form  $\frac{p}{q}$ ,  $q \neq 0$  and so it is a rational number.

4. Classify the following numbers as rational or irrational with justification :

(i)  $\sqrt{196}$       (ii)  $3\sqrt{18}$       (iii)  $\sqrt{\frac{9}{27}}$       (iv)  $\frac{\sqrt{28}}{\sqrt{343}}$

(v)  $-\sqrt{0.4}$       (vi)  $\frac{\sqrt{12}}{\sqrt{75}}$       (vii) 0.5918

(viii)  $(1 + \sqrt{5}) - (4 + \sqrt{5})$       (ix) 10.124124...      (x) 1.010010001...

7. Express the following in the form  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$  :

(i) 0.2      (ii) 0.888...      (iii)  $5.\bar{2}$       (iv)  $0.\overline{001}$   
(v) 0.2555...      (vi)  $0.1\bar{34}$       (vii) .00323232...      (viii) .404040...

8. Show that  $0.142857142857... = \frac{1}{7}$

9. Simplify the following:

(i)  $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$

(ii)  $\frac{\sqrt{24}}{8} + \frac{\sqrt{54}}{9}$

(iii)  $\sqrt[4]{12} \times \sqrt[3]{6}$

(iv)  $4\sqrt{28} \div 3\sqrt{7} \div \sqrt[3]{7}$

(v)  $3\sqrt{3} + 2\sqrt{27} + \frac{7}{\sqrt{3}}$

(vi)  $(\sqrt{3} - \sqrt{2})^2$

### EXERCISE 1.3

1. Find which of the variables  $x$ ,  $y$ ,  $z$  and  $u$  represent rational numbers and which irrational numbers :

(i)  $x^2 = 5$       (ii)  $y^2 = 9$       (iii)  $z^2 = .04$       (iv)  $u^2 = \frac{17}{4}$

2. Find three rational numbers between

(i)  $-1$  and  $-2$       (ii)  $0.1$  and  $0.11$

(iii)  $\frac{5}{7}$  and  $\frac{6}{7}$       (iv)  $\frac{1}{4}$  and  $\frac{1}{5}$

3. Insert a rational number and an irrational number between the following :

(i)  $2$  and  $3$       (ii)  $0$  and  $0.1$       (iii)  $\frac{1}{3}$  and  $\frac{1}{2}$

(iv)  $\frac{-2}{5}$  and  $\frac{1}{2}$       (v)  $0.15$  and  $0.16$       (vi)  $\sqrt{2}$  and  $\sqrt{3}$

(vii)  $2.357$  and  $3.121$       (viii)  $.0001$  and  $.001$       (ix)  $3.623623$  and  $0.484848$

(x)  $6.375289$  and  $6.375738$

4. Represent the following numbers on the number line :

$7, 7.2, \frac{-3}{2}, \frac{-12}{5}$

5. Locate  $\sqrt{5}$ ,  $\sqrt{10}$  and  $\sqrt{17}$  on the number line.

6. Represent geometrically the following numbers on the number line :

(i)  $\sqrt{4.5}$       (ii)  $\sqrt{5.6}$       (iii)  $\sqrt{8.1}$       (iv)  $\sqrt{2.3}$

7. Express the following in the form  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$  :

(i)  $0.2$       (ii)  $0.888\dots$       (iii)  $5.\overline{2}$       (iv)  $0.\overline{001}$

(v)  $0.2555\dots$       (vi)  $0.13\overline{4}$       (vii)  $.00323232\dots$       (viii)  $.404040\dots$

8. Show that  $0.142857142857\dots = \frac{1}{7}$

9. Simplify the following:

(i)  $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$

(ii)  $\frac{\sqrt{24}}{8} + \frac{\sqrt{54}}{9}$

(iii)  $\sqrt[3]{12} \times \sqrt{6}$

(iv)  $4\sqrt{28} \div 3\sqrt{7} \div \sqrt[3]{7}$

(v)  $3\sqrt{3} + 2\sqrt{27} + \frac{7}{\sqrt{3}}$

(vi)  $(\sqrt{3} - \sqrt{2})^2$

(vii)  $\sqrt[3]{81} - 8\sqrt[3]{216} + 15\sqrt[3]{32} + \sqrt{225}$

(viii)  $\frac{3}{\sqrt{8}} + \frac{1}{\sqrt{2}}$

(ix)  $\frac{2\sqrt{3}}{3} - \frac{\sqrt{3}}{6}$

10. Rationalise the denominator of the following:

(i)  $\frac{2}{3\sqrt{3}}$

(ii)  $\frac{\sqrt{40}}{\sqrt{3}}$

(iii)  $\frac{3 + \sqrt{2}}{4\sqrt{2}}$

(iv)  $\frac{16}{\sqrt{41} - 5}$

(v)  $\frac{2 + \sqrt{3}}{2 - \sqrt{3}}$

(vi)  $\frac{\sqrt{6}}{\sqrt{2} + \sqrt{3}}$

(vii)  $\frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$

(viii)  $\frac{3\sqrt{5} + \sqrt{3}}{\sqrt{5} - \sqrt{3}}$

(ix)  $\frac{4\sqrt{3} + 5\sqrt{2}}{\sqrt{48} + \sqrt{18}}$

### EXERCISE 3.2

1. Write whether the following statements are True or False? Justify your answer.
  - (i) Point (3, 0) lies in the first quadrant.
  - (ii) Points (1, -1) and (-1, 1) lie in the same quadrant.
  - (iii) The coordinates of a point whose ordinate is  $-\frac{1}{2}$  and abscissa is 1 are  $-\frac{1}{2}, 1$ .
  - (iv) A point lies on y-axis at a distance of 2 units from the x-axis. Its coordinates are (2, 0).
  - (v) (-1, 7) is a point in the II quadrant.

in order:

P(-3, 2), Q(-7, -3), R(6, -3), S(2, 2)

3. Plot the points (x, y) given by the following table:

x	2	4	-3	-2	3	0
y	4	2	0	5	-3	0

4. Plot the following points and check whether they are collinear or not :
  - (i) (1, 3), (-1, -1), (-2, -3)
  - (ii) (1, 1), (2, -3), (-1, -2)
  - (iii) (0, 0), (2, 2), (5, 5)

5. Without plotting the points indicate the quadrant in which they will lie, if

- (i) ordinate is 5 and abscissa is -3
- (ii) abscissa is -5 and ordinate is -3
- (iii) abscissa is -5 and ordinate is 3
- (iv) ordinate is 5 and abscissa is 3

6. In Fig. 3.6, LM is a line parallel to the y-axis at a distance of 3 units.

- (i) What are the coordinates of the points P, R and Q?
- (ii) What is the difference between the abscissa of the points L and M?

7. In which quadrant or on which axis each of the following points lie?

(-3, 5), (4, -1), (2, 0), (2, 2), (-3, -6)

8. Which of the following points lie on y-axis?

A (1, 1), B (1, 0), C (0, 1), D (0, 0), E (0, -1), F (-1, 0), G (0, 5), H (-7, 0), I (3, 3).

9. Plot the points (x, y) given by the following table. Use scale 1 cm = 0.25 units

x	1.25	0.25	1.5	-1.75
y	-0.5	1	1.5	-0.25

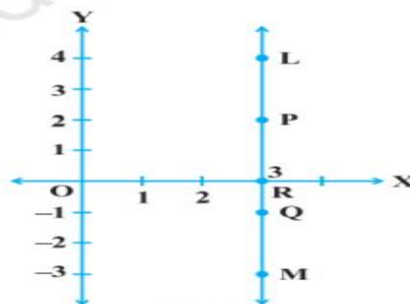


Fig. 3.6

1. Write the coordinates of each of the points P, Q, R, S, T and O from the Fig. 3.5.

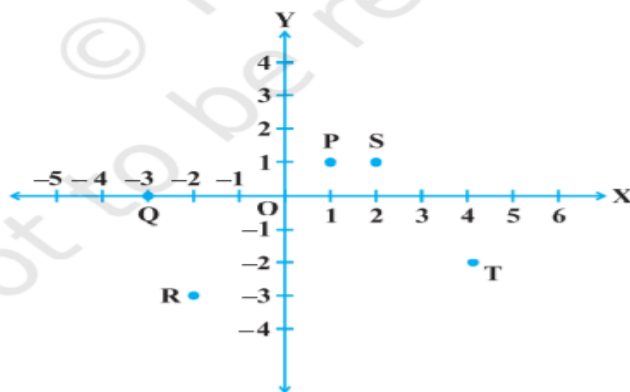


Fig. 3.5

2. The perimeter of an equilateral triangle is 60 m. The area is  
 (A)  $10\sqrt{3} \text{ m}^2$  (B)  $15\sqrt{3} \text{ m}^2$  (C)  $20\sqrt{3} \text{ m}^2$  (D)  $100\sqrt{3} \text{ m}^2$
3. The sides of a triangle are 56 cm, 60 cm and 52 cm long. Then the area of the triangle is  
 (A)  $1322 \text{ cm}^2$  (B)  $1311 \text{ cm}^2$  (C)  $1344 \text{ cm}^2$  (D)  $1392 \text{ cm}^2$
4. The area of an equilateral triangle with side  $2\sqrt{3} \text{ cm}$  is  
 (A)  $5.196 \text{ cm}^2$  (B)  $0.866 \text{ cm}^2$  (C)  $3.496 \text{ cm}^2$  (D)  $1.732 \text{ cm}^2$
5. The length of each side of an equilateral triangle having an area of  $9\sqrt{3} \text{ cm}^2$  is  
 (A) 8 cm (B) 36 cm (C) 4 cm (D) 6 cm
6. If the area of an equilateral triangle is  $16\sqrt{3} \text{ cm}^2$ , then the perimeter of the triangle is  
 (A) 48 cm (B) 24 cm (C) 12 cm (D) 36 cm
7. The sides of a triangle are 35 cm, 54 cm and 61 cm, respectively. The length of its longest altitude  
 (A)  $16\sqrt{5} \text{ cm}$  (B)  $10\sqrt{5} \text{ cm}$  (C)  $24\sqrt{5} \text{ cm}$  (D) 28 cm
8. The area of an isosceles triangle having base 2 cm and the length of one of the equal sides 4 cm, is  
 (A)  $\sqrt{15} \text{ cm}^2$  (B)  $\sqrt{\frac{15}{2}} \text{ cm}^2$  (C)  $2\sqrt{15} \text{ cm}^2$  (D)  $4\sqrt{15} \text{ cm}^2$
9. The edges of a triangular board are 6 cm, 8 cm and 10 cm. The cost of painting it at the rate of 9 paise per  $\text{cm}^2$  is  
 (A) Rs 2.00 (B) Rs 2.16 (C) Rs 2.48 (D) Rs 3.00

Project work( 30 marks)

- Collect data Of 5 triangular quadrilateral shapes (field, room, toys of kids )
- Take pics of each shape smart phone( if possible can be pasted in notebook)
- Measure the dimensions of each shapes with measuring tape
- Draw rough sketch of each shape in note book
- Find the Area of each shape using herons formula in your note book
- Send this via email or what's app (40marks)

Three Weekly test. 15 mark each ( 30 marks)

- Test 1 ch 1 NUMBER SYSTEM
- Test 3ch 3 COORDINATE GEOMETRY

Subject teacher SAHIL SETHI. (7986579286)

# SGJ DAV Senior Secondary Public School, Haripura

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

Subject: Science

The whole work is divided into following parts:-

- |  |          |
|--|----------|
| 1. Written work( Assignments or worksheet) | 40 marks |
| 2. Activities and projects                 | 40 marks |
| 3. Objective type test                     | 20 marks |

Activities and projects should be completed by staying at home, no need to go outside anywhere. You should use only those things and equipment's that are usually found at your homes.

(For example if you don't have colors then you can use only your pen or pencil, no need to go outside, stay at your home, stay safe)

- 1. Students have to write the answers of following question in their note books.  
(40 marks)**

### Chapter- 8Motion

Every question carry 3 marks

1. An athlete completes one round of a circular track of diameter 200 m in 40 s. What will be the distance covered and the displacement at the end of 2 minutes 20 s?
2. Joseph jogs from one end A to the other end B of a straight 300 m road in 2 minutes 50 seconds and then turns around and jogs 100 m back to point C in another 1 minute. What are Joseph's average speeds and velocities in jogging (a) from A to B and (b) from A to C?
3. Abdul, while driving to school, computes the average speed for his trip to be 20 km h<sup>-1</sup>. On his return trip along the same route, there is less traffic and the average speed is 40 km h<sup>-1</sup>. What is the average speed for Abdul's trip?
4. A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of 3.0 m s<sup>-2</sup> for 8.0 s. How far does the boat travel during this time?
5. A driver of a car travelling at 52 km h<sup>-1</sup> applies the brakes and accelerates uniformly in the opposite direction. The car stops in 5 s. Another driver going at 3 km h<sup>-1</sup> in another car applies his brakes slowly and stops in 10 s. On the same graph paper, plot the speed versus time graphs for the two cars. Which of the two cars travelled farther after the brakes were applied?
6. **An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.**

**Chapter-1 Matter our Surroundings(Each question carry two marks)**

1.Naphthalene balls disappear with time without leaving any solid. Why
2.Why does desert cooler cool better on a hot, dry day?
3.Explain why does diffusion occurs more quickly in gases than in liquids?
4.What produces more severe burns, boiling water or steam?
5.Why does temperature remain constant during the boiling of water even though heat is being supplied continuously?
6.Explain the factors affecting evaporation.



## Chapter- 2 Is matter around us pure(Each question carry two marks)

1. List the points of differences between homogeneous and heterogeneous mixtures.
2. A solution contains 40 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.
3. How are sol, solution and suspension different from each other?
4. To make a saturated solution, 36 g of sodium chloride is dissolved in 100 g of water at 293 K. Find its concentration at this temperature.
5. How will you separate a mixture containing kerosene and petrol (difference in their boiling points is more than 25°C), which are miscible with each other?

### 2. Two activities and two projects are given below, you have to write down your observation, record, calculations, in your note books. (40 marks)

**Activity 1.** Make a list of pure substances and mixtures that you found at your home and further classify it into homogeneous, heterogeneous( mixtures) and elements, compounds( pure substances)

**Activity 2.** In your everyday life you come across a range of motions in which

- (a) acceleration is in the direction of motion, (b) acceleration is against the direction of motion,  
(b) (c) acceleration is uniform, (d) acceleration is non-uniform.

• Can you identify one example each of the above type of motion?

**Project 1.** As you know that we all are fighting with covid 19 virus. In this time there is a huge need of PPE( personal protective equipment's). Make a list of those some equipment's and how they help us to protect from covid 19.

**Project 2.** As you know our country is under lockdown. Therefore we noticed huge change in environment as air and water both are in their purest form. What is the reason behind this change. Give your ideas how we can maintain the quality if air and water after lockdown.

### 3. Objective type test (20 marks)

Test will be from above mentioned three chapters. And test will be given you later in your what Sapp groups or Google docs.

**For any quarry you can contact:-GursherSingh(9464507200)**

# SGJ DAV Senior Secondary Public School, Haripura

## Holiday Homework

Class: 9<sup>th</sup>

Session: 2020-21

## Subject: Social Science

### General Instructions:

- (i) Do the following questions on your notebook in the form of points.
- (ii) Chapters covered during online classes:  
**Chapter 1(Economics):-** the Story of Village Palampur  
**Chapter 2(Economics):-** People as Resources  
**Chapter 8(Geography):-** India: Size and Location
- (iii) The homework is divided into three sections  
**Section A – Assignment(35 Marks)**  
**Section B – Project Work(35 Marks)**  
**Section C – Test(15+15=30 Marks)**

### Section A – Assignment (35 Marks)

1. Is it important to increase the area under irrigation? Give one argument. 1
2. On what terms did Savita get a loan from Tejpal Singh 1
3. Differentiate between fixed capital and working capital.(3 points) 3
4. Describe the land distributed among the farmers of Palampur. 3
5. Describe any three essential requirements for production. 3
6. Define human capital. 1
7. Which type of investment is known as human capital investment? 1
8. Mention any four factors which can improve the quality of human capital. 1
9. "Human capital formation has helped India for its development." Justify the statement by giving three arguments. 3
10. "Human resource is different from other factors of production." Explain it in three points. 3
11. Explain three problems of educated unemployment in urban areas. 3
12. What is the Easternmost longitude of India? 1
13. What is the longitude of the Westernmost point of India? 1
14. Name the countries sharing a land boundary with India. 1
15. How does India occupy an important strategic position in South Asia? 3
16. Why Indian Ocean named after country, India? Give three reasons. 3
17. What role Indian land route play in relationship of India with other countries? 3

### Project Work (35 Marks)

Dear students

This is project to grasp the ground knowledge of the villages. Ask your parents to help you to perform this activity in realistic manner.

Ask your parents about the various crops practiced by them and the procedure to sow and to grow the various crops as well the production per acre.

Make a report of project and calculate the expenses and earnings. At the end calculate the profit/loss per acre also for at least one year i.e. 2 sessions.

### Section C – Tests Plan (30 Marks)

There will be conducted a test of 15 Marks once in a week.

**Test 1 – Chapter 1 Economics (15 Marks)**

**Test 2 – Chapter 2 Economics (15 Marks)**

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