



# RD PUBLIC SCHOOL, BETUL

## CLASS-IX



### SUMMER HOLIDAY ASSIGNMENT SESSION-2020-21

Dear Parents,

Greetings from RDPS Family

I hope that you are in the best of your spirit while reading this letter. Please accept my heartfelt Thanks for your patience and understanding to make our endeavour of online classes a successful one. The world has witnessed drastic changes in the span of last few weeks and we are also not the exception. However with the great effort Teachers and Coordination of parents we have been able to teach our students online and provide them the exposure of a new Teaching Learning platform. Coronavirus has certainly changed the way we live our Life. The daily routine has been turned upside down, nevertheless due to lockdown the Earth has healed itself and the pollution level reached to minimum. Every Problem comes with a challenge and with positive mindset we can always pave the way to solution. The online Classes have enabled the students to learn simultaneously through virtual mode.

Last one month was full of learning for students through online classes and now is the time for summer break. Like every year this year also we are coming up with Holiday Assignment to keep the students engaged in some fruitful activities and learning while enjoying the vacations. Corona Pandemic has given us the boon of spending time with our kids. Here are few tips to convert these vacations into fruitful, constructive and creative period of time.

- Have at least 2 meals with your Child.
- Do Yoga, Meditation or exercise with your Child.
- Share stories with them and teach them values.
- Share your life experience and values with them.
- Break the Gender Stereotypes and ask the boys also to help in household chores.
- Schedule Reading time and accompany your kids.
- For summer breaks, we have planned some creative tasks for our students to enhance their skills.

#### Instructions for the Students

- The Holiday home work must be done in a very neat and presentable manner.
- Questions must be done in the given sequence.
- You will be assessed for the presentation, neatness, completion of all the given questions and timely submission.
- Do not trouble parents for purchasing anything during lockdown. Do your assignment with the things available at home.
- Last but not least revise all the subjects as it will help you for future assessments.

Listening is an art and a good learner is always an artist at it.

Being a good listener has many benefits. People with good listening skills are more productive, make better partners and colleagues, are better problem solvers, and have healthier interpersonal relationships.

Below is the link for you to listen to endless stories and sharpen your listening skills.

<https://stories.audible.com/start-listen>

Thanking you

Regards

Director

RDPS, Betul

## ENGLISH

1. You have been deeply shaken because of unfair and improper treatment of your colony people to the corona virus patient and his family members found in your neighbourhood, write an article to create humanity and sense of sympathy, also suggest measures about stopping its rumours.
2. Write at least 20 slogans creating awareness about Covid 19 threat.
3. Complete dialogue writing between a doctor and corona virus affected patient, sharing symptoms and remedies (write at least 10 dialogues each)
4. Write a notice in 50 to 80 words for your school notice board .Your school has decided to give charity for Covid 19 patients ,being secretary of your school ask students for volunteer contribution for this noble task give necessary details.
5. Write at least twenty sentences about the place where you have visited and spent your Vacations also write what did you see there and learn.
6. Make a magazine for children aged between 12 - 15 years. Choose an interesting name for your magazine. Make a colourful cover page. It must have an index. The magazine can comprise of 15-20 pages. Any four-five topics can be chosen out of those listed below –  
(a) Current affairs, (b) An interview of an important personality, (c) Health, (d) Recipes, (e) Amazing facts, (f) Description of a historical place, (g) Nutrition, (h) Jokes, (i) Sports, (j) Article making (step by step demonstration through drawings)
7. On half a sheet of chart paper, make a collage based on Covid - 19.

## HINDI

1. भक्त कवि कबीर, गुरुनानक और मीरा बाई की रचनाओं का संकलन कीजिए?
2. अपने मित्र के लिए एक ग्रीटिंग कार्ड बनाइए (जो भी घर में वेस्ट मटेरियल हो उससे बनाइए)।
3. लॉक डाउन के दौरान पदाई के साथ यदि आप ने मम्मी के कार्यों में हाथ बटाय़ा हो, घर के सभी लोगों ने उस कार्य की सराहना की हो इस प्रकार की घटना को एक पैरिग्राफ में लिखिए ।
4. पशु पक्षियों को पिंजरे में बंद करके रखना कहा तक उचित है?आपके विचार में मुक्त पशु - पक्षियों को ही पालतू बनाकर रखना अधिक उचित है या पिंजरे में बंद करके रखना ' गिल्लू ' पाठ के आधार पर स्पष्ट कीजिए।
5. स्वर संधि के भेद चार - चार उदाहरणों के साथ लिखिए।

## MATHEMATICS

1. Play Ludo or snack and ladders with family, collected a data of  $\square$  and find the probability of  
(I) 2 (II) 6 (III) even no (IV) odd number
2. Collect the data of any 5 country those effected by Covid 19 virus and represent the histogram.
3. Collect the data of any five states of India where the number of patients fit from Covid 19 virus and represent the frequency polygon.
4. Collect the data of Temperature from 4th May to 8 May and represent the bar graph.

### Practice Questions

1. Find the mean of  
(i) the data 9, 11, 13, 15, 17, 19 (ii) the data 7, 12, 14, 18, 19, 20.
- 2 Find the mean of  
(i) the first nine natural numbers.  
(ii) the first six even natural numbers.  
(iii) the first ten odd natural numbers.  
(iv) the prime numbers between 20 and 30.  
(v) all the factors of 15.
3. The heights of five players are 153 cm, 140 cm, 148 cm, 150 cm and 154 cm respectively. Find the mean height per player.
4. The daily maximum temperatures recorded at a place during a week were as follows :

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
38.5	37	36.5	40	38	37.5	38.5

Find the mean maximum temperature.

5. If the mean of the observations:  $x, x+3, x+5, x+7, x+10$  is 9, find the mean of last three observations.
6. If 8 is the mean of 4, 7,  $a, 8, 10, 12$  ; find ' $a$ '. If 7 is the mean of 5, 3.5, 4, 5,  $b, 8.5, 9.5$  ; find ' $b$ '.
7. The mean of  $a, b, c, d$  and  $e$  is 28. If the mean of  $a, c,$  and  $e$  is 24, then find the mean of  $b$  and  $d$ .
8. If the mean of the data 6, 8, 10, 3, 7, and  $p$  is 7, and then find the value of  $p$ .
9. If the mean of  $x, x+2, x+4, x+6, x+8$  is 24, find  $x$ .
10. If the mean of  $2x+3, 3x+4, x+7, x-3, 4x-7$  is 14, find  $x$ .
11. Find the median of the following data :  
(i) 4, 4, 5, 7, 6, 7, 7, 12, 3  
(ii) 78, 56, 22, 34, 45, 54, 39, 68, 34, 84
12. The heights (in cm) of 9 students of a class are as follows :  
155 160 145 149 150 147 152 144 148  
Find the median of this data.

13. The points scored by a basket-ball team in a series of matches are as follows :  
15, 3, 8, 10, 22, 5, 27, 11, 12, 19, 18, 21, 13, 14  
Find the median.
14. The marks obtained by 15 students of a class in unit test are as follows :  
19, 17, 24, 23, 25, 29, 31, 40, 19, 20, 22, 26, 17, 35, 21  
Find the median score.
15. The weights (in kg) of 10 students are given below :  
45, 36, 31, 52, 35, 40, 55, 60, 38, 44  
Find the median weight.
16. The following observations are arranged in ascending order :  
26, 29, 42, 53,  $x$ ,  $x+2$ , 70, 75, 82, 93  
If the median is 65, find the value of  $x$ .
17. Ten observations 10, 13, 15, 18,  $x+1$ ,  $x+2$ , 30, 32, 35, 41 are written in an ascending order. The median of the data is 24. Find the value of  $x$ .
18. Find the median of the following data :  
33, 38, 46, 64, 87, 41, 58, 77, 35, 90, 25, 92, 91  
If 58 is replaced by 97 and 37 by 23, find the new median.
19. Find the median of the following data :  
63, 61, 58, 57, 60, 72, 55, 50, 52, 64, 70, 69  
If 64 is replaced by 54 and 69 is replaced by 59, find the new median.
20. Find the mode of 7, 9, 12, 13, 7, 12, 15, 7, 12, 7, 25, 18, 7.
21. Find the mode of 1, 3, 5, 7, 3, 5, 4, 7, 2, 6, 7, 12, 10, 11, 3, 7, 8, 6, 7, 7, 4, 2, 11, 7, 15.
22. Find the mode of 11, 13, 12, 8, 7, 11, 12, 6, 4, 15, 12, 9
23. Find the mode of the following marks (out of 10) obtained by 20 students :  
4, 6, 5, 9, 3, 2, 7, 7, 6, 5, 4, 9, 10, 10, 3, 4, 7, 6, 9, 9.
24. For what value of  $x$ , the mode for the following data is 9?  
6, 8, 9, 8, 9, 8, 9, 7, 5, 8, 9,  $x$
25. Find the mode for the following data: 48, 42, 47, 48, 56, 56, 65, 56, 65, 60. If 56 is replaced by 65, find the new mode.
26. The demand of different shirt sizes, as obtained by a survey, is given below :

Size	38	39	40	41	42	43	44	Total
No. of persons	26	39	20	15	13	7	5	125

Find the model shirt sizes, as observed from the survey.

27. Find the mode for the following frequency distribution :

$x$	6	7	5	2	10	9	3
$f$	9	12	8	13	11	14	7

## Self Practice Exercise 15.1

28. 12 Packets of sugar, each marked 2 kg, actually contained the following weight (in kg) of sugar :

2.040, 1.990, 1.985, 2.025, 2.000, 1.980, 1.950, 2.020, 2.060, 1.980, 2.030, 1.970

Find the probability than any of these packets chosen at random contains more than 2 kg of sugar.

29. In a cricket match, batsman hits the boundary, 8 times out of 40 balls played by him. Find the probability that he did not hit a boundary.
30. A coin was tossed 500 times and the outcomes were noted as Head : 260, Tail : 240. A coin is tossed again. Find the probability of getting (i) a head (ii) a tail.
31. Two coins are tossed simultaneously 300 times, and we get Two heads : 135 times, One head : 111 times, No head : 54 times. If two coins are tossed at random, what is the probability of getting (i) 2 heads (ii) 1 head (iii) no head ?
32. Three coins are tossed simultaneously 200 times with the following frequencies of different outcomes:

Outcome	3 tails	2 tails	1 tail	no tail
Frequency	20	68	82	30

If three coins are tossed simultaneously again, compute the probability of getting less than 3 tails.

33. A die is thrown 400 times, the frequency of the outcomes of the events are given as under.

Outcome	1	2	3	4	5	6
Frequency	70	65	60	75	63	67

Find the probability of occurrence of an odd number.

34. A die is tossed 100 times and the data is recorded as below :

Outcome	1	2	3	4	5	6
Frequency	20	15	20	15	20	10

(i) What is the probability that we get an even number in a trial ?

(ii) What is the probability of getting a number less than 3 ?

35. A die is thrown 400 times. The frequencies of the outcomes of the events 1, 2, 3, 4, 5 and 6 are recorded in the following table :

Outcome	1	2	3	4	5	6
Frequency	75	60	65	70	68	62

A die is thrown again. Find the probability of occurrence of

(i) 3

(ii) 6

(iii) an even number

(iv) a prime number.

36. On one page of a telephone directory, there were 200 telephone numbers. The frequency distribution of the unit place digit (for example, in the number 25828573, the unit place digit is 3)

Digit	0	1	2	3	4	5	6	7	8	9
Frequency	22	26	22	22	20	10	14	28	16	20

Without looking at the page, the pencil is placed on one of these numbers, *i.e.*, the number is *chosen at random*.

- (i) What is the probability that the digit in its unit place is 6 ?  
(ii) What is the probability that the digit in its unit place is greater than 6 ?

### **Linear equations in two variables**

37. Show that  $x = 2$  and  $y = 1$  satisfy the linear equation  $2x + 3y = 7$ .
38. Write four solutions of  $2x + 3y = 8$ .
39. Draw the graph of the equation  $2x - 3y = 12$ . At what points, the graph of the equation cuts the x-axis and the y-axis?
40. Draw the graph of  $9x - 5y + 160 = 0$ . From the graph find the value of  $y$  when  $x = 5$ .
41. The following observed values of  $x$  and  $y$  are thought to satisfy a linear equation.  
 $x = 6$  and  $y = -2$   
 $x = -6$  and  $y = 6$   
Draw the graph using the values of  $x$  and  $y$  as given in the above table.  
At what points the graph of the linear equation cuts the x-axis?
42. The taxi fare in a town is Rs 10 for the first kilometre and Rs 6 per km for the subsequent distance. Taking the distance as  $x$  km and total fare as Rs.  $y$ , write a linear equation for this information, what will be the total fare for 15 km?
43. Draw the graph of the equation  $x - y = 4$ . From the graph, find the coordinates of the point when the graph line meets the x-axis.
44. Draw the graph  $x + 2y = 6$  and from the graph, find the value of  $x$  when  $y = -3$ .

### **Some important MCQ**

45. Through which of the following points, the graph of  $y = -x$  passes?  
(i) (1, 1)      (ii) (0, 1)      (iii) (-1, 1)
46. Through which of the following points, the graph of the linear equation  $3x - 2y = 0$ , passes?
47. On which of the following equations, the point of the form  $(m, -m)$  lies?  
(i)  $x = -m$       (ii)  $x + y = 0$       (iii)  $y = x$
48. Do the points (2, 0), (-3, 0), (0, 2), (0, -5) lie either on x-axis or y-axis?

49. Which equations graph is at a distance 3 unit to the left of y-axis?  
 $x = 3$ ;  $x = -3$ ; or  $y = x$
50. The graph of which of the following equations passes through the origin?  
 (i)  $y = 2x + c$ (ii)  $y = 2x - c$ (iii)  $y = 2x$

### **Coordinate geometry**

#### **Important MCQs**

51. Which graph is parallel to x-axis?  
 (a)  $y=x+1$  (b)  $y=2$  (c)  $x=3$  (d)  $x=2y$
52. Which point lies on x-axis?  
 (a) (3, 2) (b) (-3, 2) (c) (2, 0) (d) (-1,-2)
53. Which point lies on y-axis?  
 (a) (1, 3) (b) (0, 3) (c) (5, 2) (d) (-2,-3)
54. Which point lies to the right of y-axis?  
 (a) (0, 3) (b) (-2,-1) (c) (3, 5) (d) (-3,-2)
55. Which line is parallel to  $y=x-2$ ?  
 (a)  $y=2x+1$  (b)  $2y=2x-6$  (c)  $2y=x+7$  (d)  $y=3x+1$
56. Which point lies on the left of y-axis?  
 (a) (2, 0) (b) (-2,-4) (c) (5, 2) (d) (3, 6)
57. Which point lies in IV quadrant?  
 (a) (-3,-4) (b) (2,-4) (c) (-2, 3) (d) (0, 1)
58. Which point lies above x-axis?  
 (a) (-1, 2) (b) (2, 0) (c) (-1,-5) (d) (0,-3)

#### **Some Important Questions**

59. Name the quadrants in which following points (3,0) (-9,-3). (1)
60. Determine the graph of the equation  $y=2x-3$  (3)
61. Draw the graph of  $y=4x$ . From the graph find the value y when  $x=-2$  (3)
62. Draw the graph of  $x=10=0$ . what type of graph is it? (3)
63. Draw the graph of  $y=-x$  (3)
64. The points (-2,5) and (3,-5) are plotted in xy planes. Find the slope and y intercept of the line joining the points. (2)
65. Draw the graph of equation  $3x+6y=12$ . Find the coordinates of the point where the graph cuts the y-axis. (3)
66. How does the graph of  $y=mx$ , depends on the value of m. Also draw graph when  $m=2,3$  (4)
67. In which quadrant will these points (3,-5), (-3,-1) (1)
68. Determine the slope and y-intercept of line  $2x+3y+7=0$  (2)

## SCIENCE

### PHYSICS

1. Prepare a list of object which are either in motion or rest. Separate these object under two categories: (i) animate and (ii) inanimate. Also write down which animate/inanimate is fastest and which is slowest.
2. Take a metre scale and measure the distance between two opposite corner of the room in your home by shortest path (straight path), what is the relation between the distance and displacement in this case?
3. Now, walk along the wall start from one corner to the opposite corner of the room. What is the relation between the distance and the displacement?
4. Differentiate between uniform and non-uniform acceleration.
5. A bus accelerates uniformly from 54 km/h to 72 km/h in 10 seconds Calculate acceleration in  $\text{m/s}^2$ .
6. A car is travelling at 20 km/h, it speeds up to 60 km/h in 6 seconds. What is its acceleration?
7. A bus decreases its speed from 80km/h to 60km/h in 5s. What is the acceleration of the bus?
8. Which speed is greater 30m/s or 30km/h?
9. What do you mean by  $2\text{m/s}^2$ ?
10. Can uniform linear motion be accelerated?
11. When the acceleration is taken negative?
12. Draw the Distance- Time graph for an object when it is in rest.
13. Draw the Distance- Time graph for an object performing uniform motion.
14. Draw the Distance- Time graph for an object performing non-uniform motion.
15. Explain how you can find the speed of an object from its distance-time graph.
16. Draw the velocity-time graph for an object performing uniform motion.
17. Draw the velocity-time graph for an object moving uniform acceleration.
18. Draw the velocity-time graph for an object moving non-uniform acceleration.
19. Explain how you can calculate acceleration of an object from its velocity-time graph.
20. Explain how you can calculate the distance covered by an object from its velocity-time graph
21. Derive the velocity-time relationship by graphical method.
22. Derive the displacement time relationship by graphical method.
23. An air-plane accelerates down a runway at  $3.20 \text{ m/s}^2$  for 32.8 s until it finally lifts off the ground. Determine the distance travelled before takeoff.
24. A Jeep starts from rest and accelerates uniformly over a time of 5.21 seconds for a distance of 110 m. Determine the acceleration of the Jeep.
25. Derive the displacement- velocity relationship by graphical method.
26. A racing car accelerates uniformly from 18.5 m/s to 46.1 m/s in 2.47 seconds. Determine the acceleration of the car and the distance travelled.
27. Honda Activa accelerates uniformly from rest to a speed of 7.10 m/s over a distance of 35.4 m. Determine the acceleration of the bike.

# CHEMISTRY

## Understanding Based Questions

1. Pressure and temperature determine the state's of substance. Justify.
2. Solids are denser than liquids and gases. Explain.
3. Water as ice has cooling effect whereas steam causes severe burns. Specify.
4. Pressure cookers are used at higher altitude.
5. People perspire lot on hot humid day. Why?
6. Liquids show the phenomenon of diffusion to more extent than solids.
7. Carbon dioxide is a gas. Give reasons
8. Explain with examples the various factors on which rate of evaporation depend.
9. Tyndall effects are exhibited by both colloidal n Suspension solutions. Explain
10. How Plasma state is created in sun and stars.

## Activity Based Question

**Write the activity to show following process:**

1. The compressibility of solid, liquid and gas.
2. Rate of evaporation increases with increase in surface area.
3. Matter is particulate in nature.
4. Camphor sublimes on heating.
5. Rate of diffusion of liquid decrease with increase in surface area.

## Skill Based Questions

1. Draw flow chart for interconversion of three states of matter.
2. Draw flow chart on True, Colloidal, and Suspension solution on the basis of Characteristics properties.

## Application Based Questions.

1. Write the application of evaporation causes cooling in ur surroundings.
2. States the application of Plasma n B.C.Condensate in celestial bodies and daily life.
3. Explain the importance of particle motion in giving relief from air pollution hazard.

## Higher Order Based Questions.

1. Water boils at 100C.Can we increase or decrease its boiling point.
2. Ice, Water, Steam are not different substance but different States. Which of them is regarded as fluid?
3. Sea water is homogenous as well as heterogeneous mixtures
4. Why Brownian movement can be observed in colloidal particles.
5. Ether and Acetone are stored in dark container n kept at cool place.

# BIOLOGY

## Diagram Based Questions:-

1. Draw a plant cell and label the parts which :
  - a. Determine the function and development of cell
  - b. Packages materials coming from the endoplasmic reticulum.

- c. Provides resistances to microbes to withstand hypotonic external media without bursting.
  - d. Is the site for many biochemical reactions necessary to sustain life.
2. Draw a well labelled diagram of an eukaryotic nucleus. How is it different from nucleoid.
  3. Draw the diagram of xylem & phloem.
  4. Draw the diagram of different types of simple permanent tissue.

### **Skill Based Questions:-**

5. Draw a collage to show the different types of shapes of cells.
6. Draw a collage of cell to show its different cell organelles and its function.
7. Draw a flow chart of plant tissue and its types & its characters.
8. Draw a flow chart of animal tissue and its types & its characters.

### **Understanding Based Question:-**

9. Why is the cell called the structural and functional unit of life.?
10. Why is plasma membrane called a selectively permeable membrane.
11. Why lysosomes are known as suicidal bags?
12. Where are proteins synthesized in the body?
13. What is diffusion ? How it is useful in living beings.
14. The cells of meristamatic tissues are very active. List four specific features of these cells.
15. Why it is difficult to pull out the husk of a coconut tree.

### **Application Based Questions:-**

16. Explain the different( conditions)what happen when the plant cell or animal cell is placed in sugar or salt solution.
17. Write the three points of difference between prokaryotic cell & eukaryotic cells.
18. Write the functions of parenchyma & collenchyma cells.
19. Write the functions of different types of complex permanent tissue.

### **Activity Based Questions:-**

20. Two beakers A & B contain plain water and concentrated sugar solution respectively. Equal no of dried raisins are kept in them for a few hours and then taken out.
  - a. Explain the reason for the difference in the physical appearance of raisins which were taken out of the two beakers.
  - b. On the basis of above observation, categorise the two solutions as hypotonic and hypertonic.
21. Write an activity to study the process of diffusion.
22. Write an activity to study the phenomenon of plasmolysis.

### **Higher Order Thinking Skills**

23. HOW will absence of any one of the cell organelles affect the cells working.?
24. Where will you find more number of ribosomes in cancer cells or in fat cells?
25. Water hyacinth floats on water surface. Explain.

# SOCIAL STUDIES

## Activity Based Questions

1. Why 82°30'E has been selected as the Standard Meridian of India?
2. Why the difference between the durations of is day and night hardly felt at Kannyakumari but not so in Kashmir?
3. Find Out
  - a. The number of Union Territories along the western and eastern coasts.
  - b. Area-wise which is the smallest and which is the largest state?
  - c. The states which do not have an international border or lie on the coast
  - d. Classify the states into four groups each having common frontiers with (i) Pakistan, (ii) China, (iii) Myanmar, and (iv) Bangladesh.
4. Identify the following with the help of map marking.
  - (i) The Island groups of India lying in the Arabian Sea and the Bay of Bengal.
  - (ii) The countries constituting Indian Subcontinent.
  - (iii) The states through which the Tropic of Cancer passes.
  - (iv) The northernmost latitude in degrees.
  - (v) The southernmost latitude of the Indian mainland in degrees.
  - (vi) The eastern and the western most longitude in degrees.
  - (vii) The place situated on the three seas.
  - (viii) The strait separating Sri Lanka from India.
  - (ix) The Union Territories of India.
5. Find out the longitudinal and latitudinal extent of your state.
6. Collect information about the 'Silk Route'. Also find out the new developments, which are improving communication routes in the regions of high altitude.
7. Let us recall the story board from chapter What is Democracy? Why Democracy? take Lyngdoh Madam seriously and try to write down the exact definition of some of the simple words that we use all the time: pen, rain and love. For example, is there a way of defining a pen that distinguishes it clearly from a pencil, a brush, a chalk or crayon.
  - What have you learnt from this attempt?
  - What does it teach us about understanding the meaning of democracy?
8. Is democracy all about rulers and governments? Can we talk about a democratic classroom? Or a democratic family?
9. Why talk about Zimbabwe? I read similar reports from many parts of our own country. Why don't we discuss that?
10. What would have happened if India was not a democracy? Could we have stayed together as a single nation?
11. Most newspapers have an editorial page. On that page the newspaper publishes its own opinions about current affairs. The paper also publishes the views of other writers and

intellectuals and letters written by the readers. Follow any one newspaper for one month and collect editorials, articles and letters on that page that have anything to do with democracy.

Classify these into the following categories:

- Constitutional and legal aspects of democracy
- Citizens' rights
- Electoral and party politics
- Criticism of democracy

12. Find out

- The names of the glaciers and passes that lie in Great Himalayas
- The name of the states where highest peaks are located.
- Location of Mussoorie, Nainital, Ranikhet from your atlas and also name the state where they are located.

13. On an outline map of India show the following.

- Mountain and hill ranges – the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali, and the Cardamom hills.
- Peaks – K2, Kanchenjunga, Nanga Parbat and the Anai Mudi.
- Plateaus, Chotanagpur and Malwa
- The Indian Desert, Western Ghats, Lakshadweep Islands

14. Explain why the artist has portrayed the nobleman as the spider and the peasant as the fly.

15. What message is Young trying to convey here? Whom does he mean when he speaks of 'eslavesí? Who is he criticising? What dangers does he sense in the situation of 1787?

16. Representatives of the Third Estate take the oath raising their arms in the direction of Bailly, the President of the Assembly, standing on a table in the centre. Do you think that during the actual event Bailly would have stood with his back to the assembled deputies? What could have been David's intention in placing Bailly (Fig.5 french revolution) the way he has done?

17. Explain the meaning of the painting of the Declaration of Rights of Man and Citizen (Fig. 8 french revolution) by reading only the symbols.

18. Compare the political rights which the Constitution of 1791 gave to the citizens with Articles 1 and 6 of the Declaration (Source C). Are the two documents consistent? Do the two documents convey the same idea?

19. Which groups of French society would have gained from the Constitution of 1791? Which groups would have had reason to be dissatisfied? What developments does Marat (Source B) anticipate in the future?

20. Imagine the impact of the events in France on neighbouring countries such as Prussia, Austria-Hungary or Spain, all of which were absolute monarchies. How would the kings, traders, peasants, nobles or members of the clergy here have reacted to the news of what was happening in France?

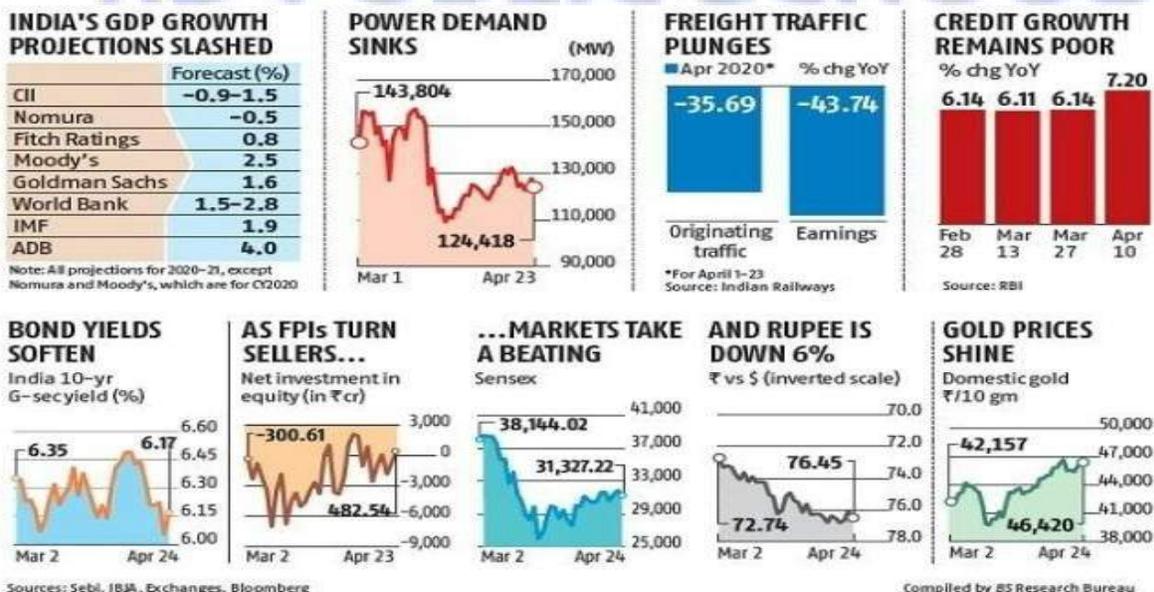
21. Look carefully at the painting (fig 10 french revolution) and identify the objects which are political symbols you saw in Box 1 (broken chain, red cap, fasces, Charter of the Declaration

- of Rights). The pyramid stands for equality, often represented by a triangle. Use the symbols to interpret the painting. Describe your impressions of the female figure of liberty.
22. Compare the views of Desmoulins and Robespierre. How does each one understand the use of state force? What does Robespierre mean by 'the war of liberty against tyranny'? How does Desmoulins perceive liberty? Refer once more to Source C. What did the constitutional laws on the rights of individuals lay down? Discuss your views on the subject in class.
  23. Describe the persons represented in Fig. 12 – their actions, their postures, the objects they are carrying. Look carefully to see whether all of them come from the same social group. What symbols has the artist included in the image? What do they stand for? Do the actions of the women reflect traditional ideas of how women were expected to behave in public? What do you think: does the artist sympathise with the women's activities or is he critical of them? Discuss your views in the class.
  24. Compare the manifesto drafted by Olympe de Gouges (Source F) with the Declaration of the Rights of Man and Citizen (Source C).
  25. Find out more about any one of the revolutionary figures you have read about in this chapter. Write a short biography of this person.
  26. The French Revolution saw the rise of newspapers describing the events of each day and week. Collect information and pictures on any one event and write a newspaper article. You could also conduct an imaginary interview with important personages such as Mirabeau, Olympe de Gouges or Robespierre. Work in groups of two or three. Each group could then put up their articles on a board to produce a wallpaper on the French Revolution.
  27. Talk to some farmers of your region. Find out:
    - What kind of farming methods—modern or traditional or mixed— do the farmers use? Write a note.
    - What are the sources of irrigation?
    - How much of the cultivated land is irrigated? (very little/nearly half/ majority/all)
    - From where do farmers obtain the inputs that they require?
  28. Write a letter to the Agriculture Minister in your own words telling him how the use of chemical fertilizers can be harmful.
  29. Would you agree that the distribution of cultivated land is unequal in Palampur? Do you find a similar situation for India? Explain.
  30. Find out
    - Why are farm labourers like Dala and Ramkali poor?
    - Gosaipur and Majauli are two villages in North Bihar. Out of a total of 850 households in the two villages, there are more than 250 men who are employed in rural Punjab and Haryana or in Delhi, Mumbai, Surat, Hyderabad or Nagpur. Such migration is common in most villages across India. Why do people migrate? Can you describe (based on your imagination) the work that the migrants of Gosaipur and Majauli might do at the place of destination?
  31. Recall the story of Mishrilal and answer the following:
    - What capital did Mishrilal need to set up his jaggery manufacturing unit?

- Who provides the labour in this case?
  - Can you guess why Mishrilal is unable to increase his profit?
  - Could you think of any reasons when he might face a loss?
  - Why does Mishrilal sell his jaggery to traders in Shahpur and not in his village?
32. Recall the story of Kareem and answer the following questions:
- In what ways is Kareem's capital and labour different from Mishrilal's?
  - Why didn't someone start a computer centre earlier? Discuss the possible reasons.
33. Questions based on Kishora's story:
- What is Kishora's fixed capital?
  - What do you think would be his working capital?
  - In how many production activities is Kishora involved?
  - Would you say that Kishora has benefitted from better roads in Palampur?
34. Talk to some old residents in your region and write a short report on the changes in irrigation and changes in production methods during the last 30 years.
35. In your region, talk to two labourers. Choose either farm labourers or labourers working at construction sites. What wages do they get? Are they paid in cash or kind? Do they get work regularly? Are they in debt?

### **Current Affairs Based Questions**

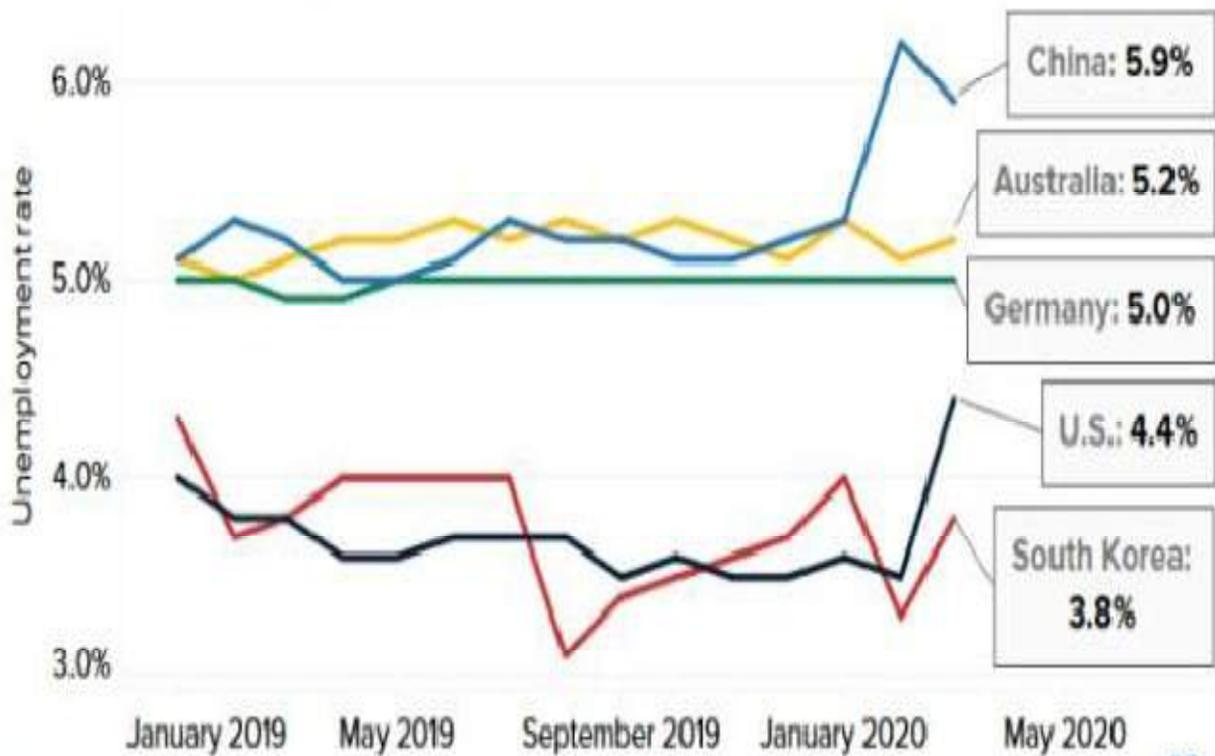
1. The low cost ventilator developed by Indian Railways at its Kapurthala coach factory is named JEEVAN. What important role do you think Indian Railway even though in temporarily shut mode is playing to help the Government to fight against Corona, mention in about 100 words.
2. The mobile app developed by the Government of India in public-private partnership to bring the people of India together in a resolute fight against COVID-19 is named AROGYA SETU. Write a note in about 100 words on working of the app.
3. Mention in about 200 words that, Why crude oil prices went negative during April 2020?
4. Write a report considering the below facts:  
Coronavirus crisis: Lockdown batters India's already slowing economy.



5. Suggest any five to seven survival strategies for businesses during covid-19 lockdown.
6. According to a report published by Economic Times on April 9, 2020. Virus crisis is a chance for India to finally reform its economy. Considering the statement, state your point of view on the same in about 150-200 words.
7. Covid-19 and climate: How much impact is the current lockdown really having on our environment. Find out the facts and Write an article in about 200-250 words.
8. As per The Constitution of India Act No. 10, is Essential Commodities Act 1955. Write an article in about 200 words that how much important role is the act playing during lockdown.
9. Suggest any 5 measures that can help farmers deal with impact of covid-19 lockdown.
10. Write articles in about 100 words on the below mentioned topics
  - a) Epidemic Diseases Act 1897, India
  - b) Operation Shield by Government of Delhi.
  - c) Role of Food Corporation of India/ FCI in India.
  - d) What is Plasma Therapy and Is it a cure for Corona Virus.
  - e) COVID-19 impact Boycott Chinese products: Social media campaign in India gathers steam.
11. Study the below 7 graphical images and write notes in about 100-150 words on each.

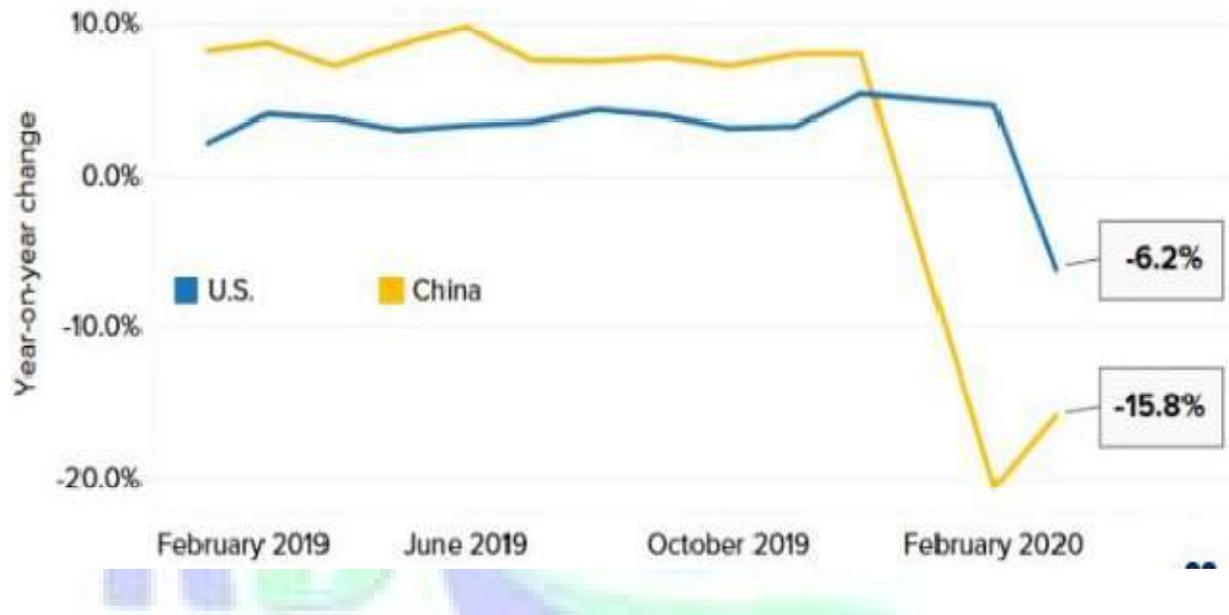
## Coronavirus pandemic hit jobs

Lines show unemployment rates in selected economies



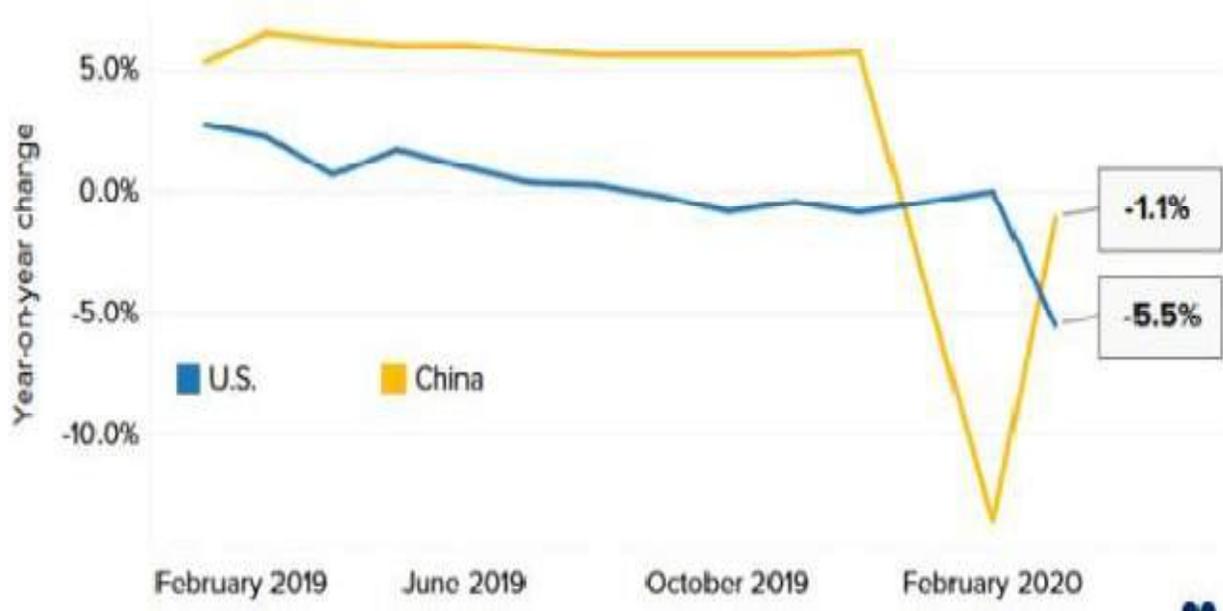
## Plunge in retail sales as Covid-19 spreads

Lines show the year-on-year percentage change in sales of all consumer goods



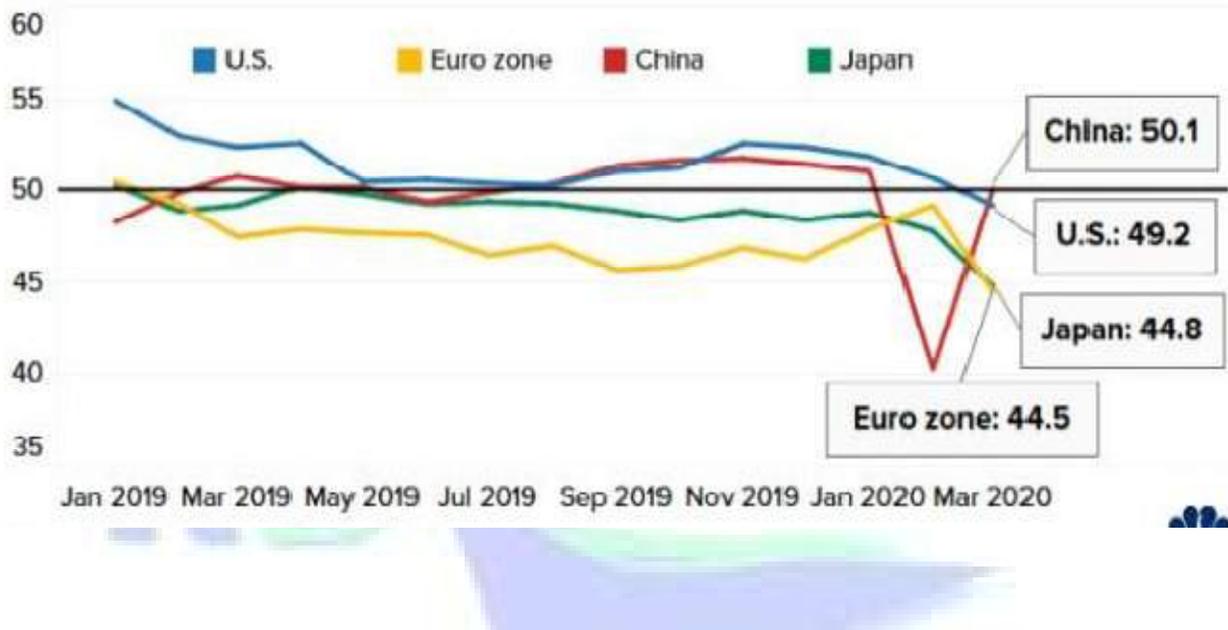
## Coronavirus impact on factory output

Lines show the year-on-year percentage change in industrial production



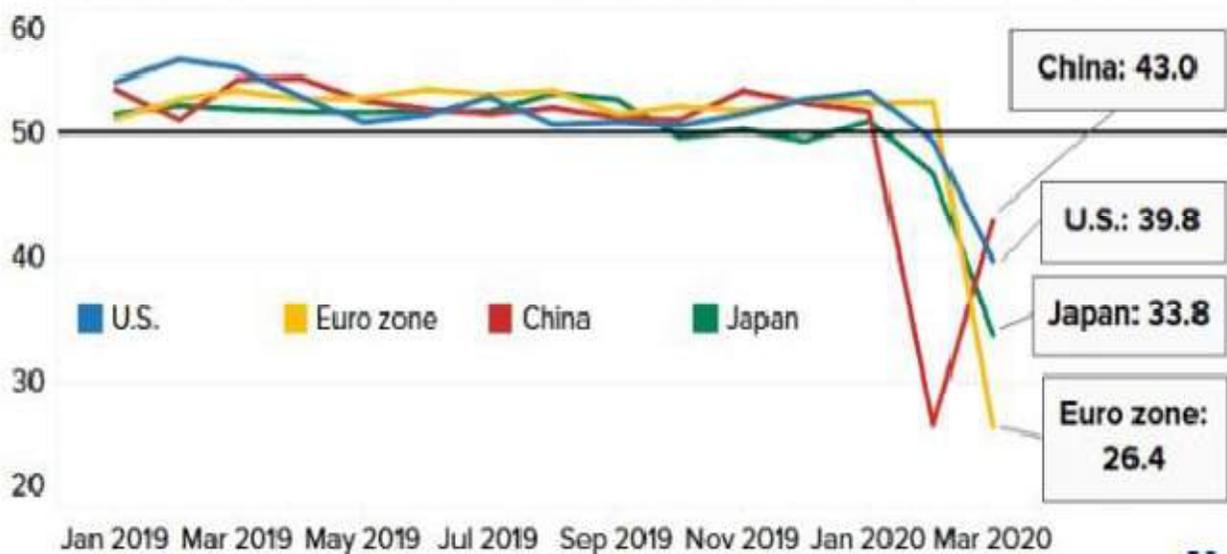
## Manufacturing in major economies

Lines show the Purchasing Managers' Index (PMI), which is an indicator of economic activity. A reading above 50 indicates expansion while below 50 represents contraction



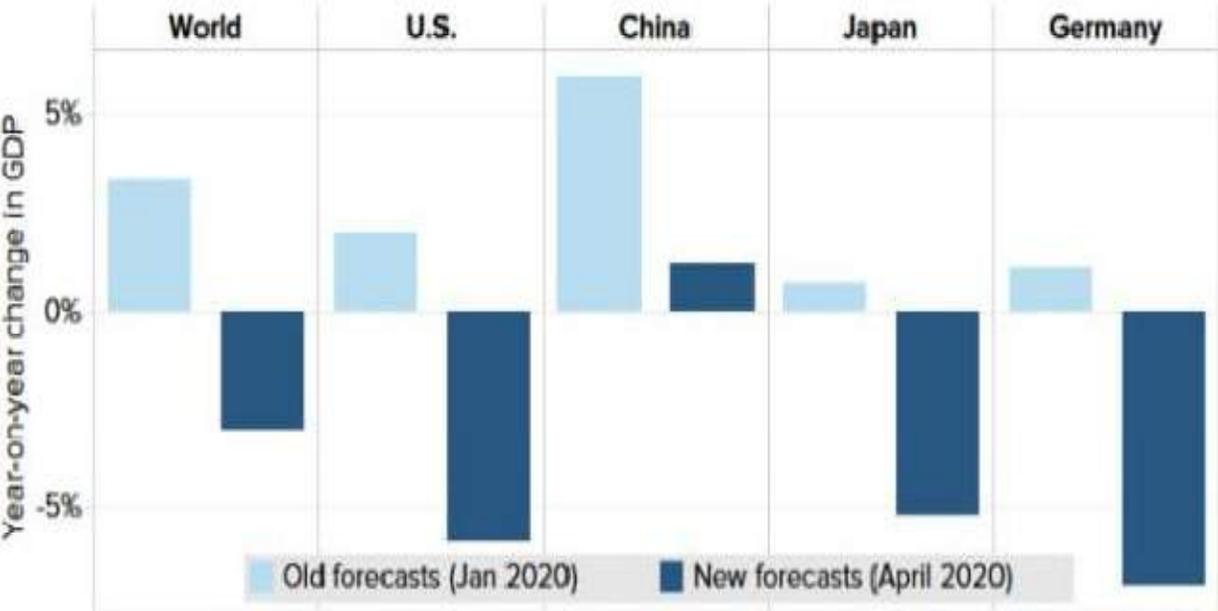
## Services activity in major economies

Lines show the Purchasing Managers' Index (PMI), which is an indicator of economic activity. A reading above 50 indicates expansion while below 50 represents contraction



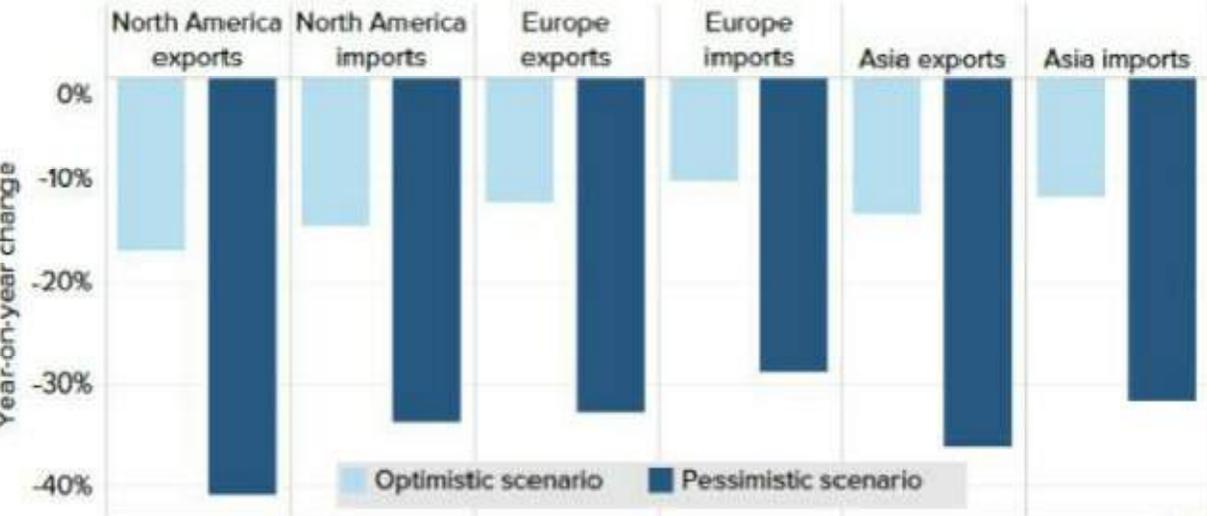
# Economic forecasts downgraded for 2020

The International Monetary Fund cut its GDP projections for all regions



# Expected decline in global merchandize trade

World Trade Organization forecasts exports and imports volume to fall in 2020



## Text Based Questions

1. What was the social structure of France before the Revolution of 1789?
2. Describe the role of the philosophers in the French Revolution.
3. Who were Sans-Culottes? What did they signify?
4. Write short-note on Napoleon Bonaparte.
5. What was the impact of the French Revolution on the World?
6. How was the discontent among the members of the third estate responsible for the outbreak of the French Revolution?
7. What was the main objective of the French Constitution of 1791?
8. What was the legacy of the French Revolution for the peoples of the world during 19th and 20th centuries?
9. Explain the role of women in French Revolution.
10. Read the passage and answer the following questions-Extract from Robespierre speech  
“To establish and consolidate democracy, to achieve the peaceful rule of constitutional laws, we must first finish the war of liberty against tyranny. We must annihilate the enemies of the republic at home and abroad, or else we shall perish”.
  - i) Who was Robespierre?
  - ii) Why was his rule famous as “Reign of Terror”?
  - iii) What was the climax of Robespierre?
11. Explain reasons for selecting  $82^{\circ}30''$  E for determining Indian standard time.
12. How did mountain passes help the travelers in ancient times?
13. Why is there a difference between the duration of day and night more in Jammu & Kashmir and less in Kanyakumari?
14. How India holds a strategic position on Indian Ocean?
15. The latitudinal and longitudinal expanse is about  $30^{\circ}$  but the east – west expanse seems to be smaller than the north – south expanse. Why?
16. What is the significance of the great longitudinal extent of India?
17. How was India divided administratively before 1947?
18. Why is India said to be a country of vast expanse?
19. Give reason as to why Ahmadabad and Kolkata can experience sun overhead twice a year and Delhi cannot?
20. What is the Latitudinal and Longitudinal extent of India?
21. Verify the following statements with Democratic and Non-Democratic elements and write out the two separately for each statement-

A minister said that some laws have to be passed by the parliament in order to confirm the regulations decided by the World. Women representation in the parliament has never reached 10% and this led woman’s organization to demand one-third seats for women. The Election Commission ordered re-polling in a constituency where large scale rigging was reported.
22. Given below is the information about 4 countries, based on the information, classify the countries in Democratic, Non-Democratic or not sure against each country and also write your justification.  
Country A – The parliament cannot pass a law about the army without the consent of Army Chief.

Country B – The parliament cannot pass a law reducing the powers of the Judiciary.

Country C – The country's leaders cannot sign any treaty with another country without taking permission from its neighboring country

Country D – All the major economic decisions about the country are taken by officials of the Central Bank, which the ministers cannot change.

23. A democratic government rules within the limits set by Constitutional law and citizens rights. Justify the statement.
24. Why does Democratic government cannot do whatever it likes after the elections?
25. Why Pakistan cannot be considered as a Democratic country? Highlight the current condition of Pakistan.
26. Why China and Mexico was not be regarded as democratic despite holding elections?
27. Why are Nepal and Saudi Arabia not democratic countries?
28. Lay down the tenets(principles) of good democracy. Support the answer with example.
29. Following are some arguments given in favor of democracy find out which one is not a good argument and specify reason also –
- People feel free and equal in a democracy.
  - Democracies resolve conflict in a better way than others.
  - Democratic government is more accountable to the people.
  - Democracies are more prosperous than others.
30. Given below is the information about 4 countries, based on the information, classifies the countries in Democratic, Non-Democratic or not sure against each country and also write your justification.
- Country 1 – People who do not accept the country's official religion do not have right to vote.
- Country 2 - The same party has been winning elections for the past 20 years.
- Country 3 - Ruling party has lost in the last three elections.
- Country 4 - There is no independent Election Commission.
31. Read the passage and answer the following questions-
- Shyam is a landless farm labourer who works on daily wages in Palampur. The minimum wages for a farm labourer set by government is Rs. 115 per day, but Shyam gets only Rs.80. There is heavy competition for work among the farm labourers in Palampur so people agree to work for lower wages. Here, Shyam is being exploited by the large farmer due to competition among the labourers.
- What principle is the large farmer violating?
  - How can this malpractice be corrected?
32. What is Green Revolution? How did it solve the food crisis in India?
33. Explain the different methods to increase production from the same area of land with proper example.
34. Read the passage and answer the following questions-
- In Palampur, the yield of wheat grown from the traditional varieties was 1300 kg per hectare. With the HYV seeds, the yield went upto 3200 kg per hectare. In many areas, Green Revolution is associated with the loss of soil fertility due to increased use of chemical fertilizers. Also continuous use of groundwater for tube well irrigation has reduced the water table below the ground.

- Do you think the farmers of Palampur are following good agricultural practices? Justify your answer.
- What basic principles are they violating?
- How the problem can be rectified?

35. State the non-farm activities of village Palampur. Which activity do you feel most useful for the villagers and why?
36. How can one grow more than one crop on the same piece of land? Explain in detail.
37. Which capital can be considered as the best land, labour, physical capital or human capital and why?
38. Read the passage and answer the following questions-
- Gosaipur and Majauli are two villages in North Bihar. Out of a total of 850 households in the two villages, there are more than 250 men who employed in rural Punjab, Haryana or in Delhi, Mumbai, Surat, Hyderabad or Nagpur. Such migration is common in most villages across India.
- Why do people migrate?
  - Can you describe it on the basis of your imagination, the work that the migrants of Gosaipur and Majauli might do at the place of destination?
39. What is physical capital?
40. Explain the ways to sustain land.
41. Explain the characteristics of Himadari range.
42. Write note on Central Highlands.
43. How were Himalayas formed?
44. Why the earthquakes are frequent in Shiwalik range?
45. Differentiate between Converging and Diverging tectonic plates.
46. What do you know about the Gondwana super continent?
47. Read the passage and answer the following questions-
- In Lakshadweep, there is a bird sanctuary on Pitti Island. This island is uninhabited. Should some people be allowed to live on Pitti Island? If they are allowed, what can be the harmful effects?
48. Read the passage and answer the following questions-
- In India, the Northern Mountains are the major sources of water and forest wealth. What negative effects can result from uncontrolled exploitation of water and forest resources of the mountains?
49. The Indian landmass shows a great physical contrast. Justify the statement in detail.
50. Categorize the northern plains on the basis of alluvium.