JKG INTERNATIONAL SCHOOL
HOLIDAY HOMEWORK 2019-20
CLASS IX

ENGLISH

1.Write an essay on the topic “My Favourite South Korean Person” on A 4 size sheet in about 150-300 words.

2. What measures should I Take to Combat Climate Change” Write an essay on the topic in 300-500 words on A 4 size sheet.

3.Write two stories from the practice paper. Page number-101-102

4.Do three unseen passages. Pages-27-30 in your note book.

5.Write a paragraph on ‘A Village Fair ‘ or A Weekly Market’ in prac paper.

6.Write article given on page number 73,74 in your practice paper.

LITERATURE- Write the answers of the following questions in about 30-40 words in your notebook.

1.What problems were created by the mischievous monkey ? How were they handled?

2.What was Kezia’sfather’s routine?

3.What did the County Inspector do to enable Margie understand Geography in a better way ?

4. What were Iswaran’s duties in Mahendra’s house?

5.Why did Iswaran want to make something special for dinner?

6.Describe grandfather’s private zoo in about 100 words.

7.What are the things that attracted the child on his way to fair?

8.Describe briefly the scene near the entrance to the temple?

9.How did the man, who picked up the child, try to console him?

10. Describe the appearance of Toto.

11.Revise grammar rules from your practice paper.

fganh

1- dchj ds vuqlkj gal dkSu gS\
2- dchj us lalkj dks fdlds leku crk;k gS\
3- lk/kq fdldh fuank djrs gSa\
4- dchj us bZ”oj dk okl dgk¡ crk;k gS\
5- ekuljksoj ls dfo dk D;k vk”k; gS\
6- fdlh Hkh O;fDr dh igpku mlds dqy ls gksrh gS\ ;k mlds deksZ ls\
7- dof;=h fdlls D;k [khap jgh gS\
8- f”ko dkSu gS\ ;g dgkW¡ clrk gS\
9- dof;=h dk ?kj tkus dh pkg ls D;k rkRi;Z gS\
10- ^Kkuh^ ls dof;=h dk D;k vfHkizk; gS\

11- x/ks dh n”kk ns[k dj ys[kd dks D;k ckr pqHkrh gS\

12- x;k dks cSyksa dks ys tkus esa D;k ijs”kkuh gqbZ\

13- dk¡thgkSl D;k gS\ ogk¡ Ik”kqvksa ds lkFk dSlk O;ogkj gksrk gS\

14- ÌksVh yMdh dkSu Fkh\ mls ghjk eksrh ls vkReh;rk D;ksa gks xbZ Fkh\

15- frCcr esa tkfr O;oLFkk dSlh gS\

16- frCcr esa [ksrh dk bartke dkSu ns[krk gS\

17- ys[kd yM~dksj ds jkLrs esa vius lkfFk;ksa ls fdl dkj.k fiNM x;k\

18- viuh ;k=k ds nkSjku ys[kd dks fdu dfBukb;ksa dk lkeuk djuk iMk\

19- frCcr esa lqj{kk O;oLFkk dSlh gS\

20- Mk¡aMs lcls [krjs dh txg D;ksa gS\

[k- Lora=rk lsukfu;ksa ds fp=ksa dk ladyu dhft, vkSj ,d dksykt rS;kj dhft,A

x- dchj vFkok jghe dk fp= cukdj mlds uhps muds ik¡p nksgs fy[kdj pkVZ rS;kj dhft,A

SCIENCE

SECTION-A

Q1 During evaporation, particles of a liquid change to vapours only -

(a) From the surface (b) From the bulk (c) From the surface and bulk

(d) Neither from surface nor from bulk

Q2 The function of ribosome is -

(a) Growth (b) Respiration (c) Protein Synthesis (d) Movement

Q3 How does the water kept in an earthen pot (Matka) become cool during summer?

Q4 With the help of an example ,Explain how diffusion of gas in water is essential.

Q5 You are provided with a mixture containing sand, iron filings, ammonium chloride and sodium chloride .Describe procedure you would use to separate these constituents from the mixture.

Q6 Why are some substances found in solid state, some in the liquid state and others in gaseous state?

Q7 (i) How is the flexible nature of plasma membrane useful to amoeba? Name the process.

(ii) Plastids`are able to make their own protein. Explain.

(iii) Why do plant cells shrink when kept in hypertonic solution.

Q8 What are the main functions of each of the following cell component?

(i) Plasma membrane (ii) chromosomes (iii) Lysosomes (iv) Mitochondria (v) cell wall

(vi) Ribosomes (vii) chloroplast

Q9 Derive -(i) $v=u+at$ (ii) $s=ut+1/2\ at^2$ (iii) $v^2=u^2+2as$

Q10 A motorcyclist drive from A to B with a uniform speed of 30 km /h and returns back with a speed of 20 km/h . Find its average speed.

Q11 Differentiate between boiling and evaporation.(Any three)

Q12 Name the force responsible for the revolution of moon around the earth.

Q13 (i) Name the separation tecnique you would follow to separate -

(a) Dyes from black ink

(b) A mixture of salt and Ammonium chloride

(c) Cream from milk

(d) Sodium chloride from its solution in water

Q14 State the principal used in separating a mixture of two immiscible liquids .

Q15 State reasons-

(i) All the cars are provided with seat belts.

(ii) Road accidents at high speeds are worse than accidents at low speeds.

Q16 A substance upon heating directly changes into gaseous state . What is this change called?

Q17 Is displacement a scaler or vector quantity explain?

Q18 Evaporation causes cooling explain the reason for this effect ?

Directions-(Q-19-20)Each of the following questions consists of two statements, one is assertion(A) and the other is reason(R) give answer?

a) If both A and R are true and R is correct explanation of A.

b) If both A and R are true but R is not a correct explanation of A.

c) If A is true but R is false

d) If A is false but R maybe true/false

Q-19 Assertion The temperature remains constant during sublimation

Reason-A substance upon heating changes into liquid state during sublimation

Q-20 Asserion- Particles of matter are continuosly in motion

Reason- particles posses an amount of kinetic energy which increases with the increase in temperature.

SECTION-B

1 . Prepare 20 objective type questions from ch -1,2 , 5, 8 and 9

2. Prepare concept map (any one chapter or topic) from ch-1,2,5,8 and 9

3. Learn Ch-1,5 and 8 for Assessment.

SOCIAL SCIENCE

1 Describe the origin of the word democracy?

2 What is referendum?

3 In which year did French revolution take place ?

4 Which estate of French society paid all the taxes?

5 Who was the French philosopher who said that there is social contract between the ruler and the people?

6 What was the name of assembly which was called in france in 1792?

7 What is PRI?

8 Why was every election won by PRI in mexico?

9 Write any 4 disadvantage of democracy?

10 Why is democracy government a better gov. ?Mention 4 reason ?

11. What do you know about Nelson Mandela ?

12. Who wrote social contract?

13. What is a Preamble? State any two points of its importance.

14. How was apartheid system practiced in South Africe ?

15. Why do we need a constitution?

16. How do the small farmers arrange their capital ?

17. Why small farmers (like Savita and Gobind's son) have little surplus whear ?

18. Explain the statement " Land is a natural resource and fixed."

19. What is the time lag between Gujrat and Arunchal Pradesh ?

20. Why has $82^0\ 30^1$ been selected as the standard meridian of India ?

21. Make a project on the following social activity:

Students will go out and meet their neighbours, relatives & people in their surroundings to discuss with them about a programme on educating the under privileged people. Also raise funds as a part of social service to empower and educate the under privileged women and children in village in slum and tribal areas.

1. Write a short report on the entire activity done in A4 sized sheet.
2. Make a collage on the importance of "Education in India".
3. Also make a short video of the people of the slums regarding the problems that they face in daily life which combats them from getting formal education.

MATHS

Q.1. Rationalize 1) $\frac{1}{\sqrt{3-\sqrt{2}}+1}$ 2) $\frac{\sqrt{2}-\sqrt{3}}{3\sqrt{2}+3\sqrt{5}}$

Q.2. Without performing long division determine which of the following are terminating decimal. If possible terminate also.

1) $\frac{12}{840}$ 2) $\frac{15}{6250}$

Q.3. Express the number $0.2\overline{45}$in the form of $\frac{p}{q}$.

Q.4. Write the four rational and irrational numbers between $5\sqrt{3}$ and $4\sqrt{2}$.

Q.5. Express 0.6 + $0.\overline{7}$ + $0.4\overline{7}$in the form of $\frac{p}{q}$.

Q.6. Find the value of a & b in $\frac{\sqrt{2}-3\sqrt{5}}{2\sqrt{2}+\sqrt{5}}$ = a + b$\sqrt{10}$.

Q.7. If x=5+$2\sqrt{3}$ find the value of $(x^2+\frac{1}{x^2})$ & $(x-\frac{1}{x})^3$.

Q.8. Find the value of 1) $\frac{(x^{(a+b)})^2(x^{(b+c)})^2(x^{(c+a)})^2}{x^a x^b x^c}$ 2)$(\frac{x^a}{x^b})^{b+c-a}(\frac{x^c}{x^a})^{c+a-b}(\frac{x^b}{x^c})^{a+b-c}$.

Q.9. Find the root of the following equation

1) 5x + 3 =0 2) $25x^2-9=0$ 3) (x – 1)(3x – 2) = 0

Q.10. Divide x^3-5x^2+7x-b by $(x-2)$ and check your answer .

Q11. $(x-1)$ and $(x+3)$ are the factor of the polynomial x^2-ax^2+13x-b. Find the value of a and b

Q.12. Using proper identity factorise the following

1) $9x^2-12x+4$ 2)95 X 97 3) x^2-y^2+6y-9 4) $2\sqrt{2}a^3+8b^2-27c^2+18\sqrt{2}abc$.

Q.14. If x= $\frac{1}{2}$ - $\sqrt{3}$ find the value of x^3 - $2x^2$ – 7x +5 ?

Q.15. Using factor theorem, show that(m-n),(n-p)and(p-m)are the factor of m(n^2-p^2) + n$(p-m^2)$ + p(m^2-n^2)?

Q.16. If $x-\frac{2}{x}$=3, find the value of x^3-8 ?

Q.17. If $x^2-\frac{1}{x^2}$=98, then find the value of $x^3-\frac{1}{x^3}$?

Q.18. In the adjoining figure ABC is an equilateral triangle with a coordinate of B ad C as (1,2) and (5,0) respectively. Find the coordinate of vertex A .

19. Plot the points A(1,2) B(-4,2) C(-4,-1) and D(1,-1) join the points find the figure and its area.

Q20. Share a triangular region formed y thr graph of 2x-y=4 and x+y=2 at Y axis write the coordinate of the vertices of the triangle and its area.

Q21. At what points does the graph of the linear equation 2x+3y=9 meet a line which is parallel to the y axis at a distance of 4 units from the origin and on the right side of the y axis.

022.Write the quadrant/ axis of on the given point without plotting on Cartesian plane.

1. (-8,0) 2. (2.5, 3.7) (-5,-6) (-8,0) (0,7.8) (0,0) (-8,7) (2 8) (4/3.-3/4).

I.T

Q1 What is CPU speed? How is it measured?

Q2 What is the use of memory unit? What are its classifications?

Q3 What is the difference between OMR and MICR?

Q4 Differentiate between internet, intranet and Extranet.

Q5 What is the difference between Hard copy and Soft copy?
Q6 What is an operating system? Give few examples.
Q7Write the full form of the following:

a) EEPROM
b) SRAM
c) DRAM

Q8 What is a software? Name the types of software?
Q9 What is Application Software? Why is it required?
Q10 What is a file?
Q11 What is a folder?
Q12 How is searching of files carried out using wildcard characters?
Q13 What is Extranet?
Q14 What is a Computer Network? How is it useful?
Q15 What is a modem? What is it used for?
Q16 What are hyperlinks?
Q17 Name different types of computer network?
Q18 Write the advantages of computer network.
Q19 What is the purpose of Windows Explorer?
Q20 What is meant by Details view of Files and Folder?

IT

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