NLCS/2017/145 Roll No. _____

v) okf"kd ijh{kk 2017&18

d{kk & lkroh

fo"k; & fgUnh

le;% 3%00 ?kVk **i.kkd 80**

Hkkx & v

i-1 fuEufyf[kr vifBr x|k"k dk i<dj uhp fy[k i"uk d mRrj fy[kk

gle[k 0;fDr og Q0okjk g ftld 'khry NhV vkl&ikl d 0;fDr d eu dk iQfYyr djr jgr gA o;fDrd thou dh lQyrk d vud jgL;k e ,d jgL; gle[k LoHkko dk gkuk Hkh gA ftld gkBk ij eLdku dh nf/k;k j[k, vB[kfy;k djrh jgrh gA ik'pkR; n'kk e fcuk eLdjkgV d vfHkoknu vf'k"Vrk dh fu'kkuh ekuh tkrh gA fdlh lfoK vuHkoh u Bhd gh dgk g] ^^tk gl ldrk g] og fe= cuku ;kX; g vkj ml ij fo'okl iod fuHkj fd;k tk ldrk gA fdr tk glrk ugh og Lo; n[kh g] ,o [krjukd Hkh g] D;kfd og nljk dh Hkh n[kh n[kuk pkgrk gA**

gluk ,d fu;ke; g vkj tk bll ofpr g] og n;k dk ik= gA lekt e cgr&lk [ku&[kjkcck vkj >xMk&Qlkn blfy, gkrk g fd gee ik;% gkL;fi;rk dk vHkko gkrk gA tgk [kydj glu dh t:jr gkrh g] ogk ge HkdfV rkudj vkj MMk ydj fiy iMr g] NkVh&NkVh ckrk dk ifr"Bk vkj lEeku dk i'u cuk yr gA

1- gle[k 0;fDr dk Q0okjk D;k dgk x;k g\ 1

2- dku 0;fDr fe= cuku ;kX; g\ 1

3- gkL; 'kCn dk rnHko :lk fy[kkA 1

4- tgk [kydj glu dh t:jr gkrh g] ge ogk D;k djr g\ 1

5- fe= 'kCn d nk&nk i;k;okph 'kCn fy[kkA 1

6- i'u 'kCn dk foyke 'kCn fy[kkA 1

7- lfoK 'kCn l milx o ey 'kCn vyx&vyx djkA 1

i-2 fuEufyf[kr vifBr x|k'k dk i<dj uhp fy[k i'uk d mRrj fy[kk

ikphu dky e ;g f'k{kk uxj d dkykgy l nj ouk e fLFkr _f"k;k rFkk vkpk;k d x: dyk vkj vkJek e nh tkrh FkhA iPphl o"k rd dh vk; rd v/;;u dj fo|kFkh i.k :i l fonoku gkdj ,d l;kX; ,o dÙk0; fu"B ukxfjd cudj ?kj ykVrk FkkA ml le; f'k{kk dk m)'; fo|kFkh dk vKku d v/kdkj l fudkydj Kku d idk'k dh vkj y tkuk FkkA gekjh oreku f'k{kk in/kfr vxtk dh nu gA mUgku bl idkj dh f'k{kk in/kfr;k dk ikjHk fd;k ftll n'k e vf/kd l vf/kd Dyd ink gk vkj Hkkjrh; viuh lLdfr dk Hky tk,A

loJ"B f'k{kd ogh ugh g tk cPpk dk Kku fo'k"k nrk g] vfir okLrfod f'k{kd og g tk cPp dk ,lh f'k{kk n ftll cPpk dk efLr"d lfØ; gk rFkk mue ftKklk dh Hkkouk ink gkA f'k{kk dk m)'; doy fMfx;k ckVuk ;k ukdjh iku d ;kX; cukuk ;k ukdjh iku d ;kX; cukuk ugh g vfir pfj= vkj 0;fDrRo dk fuek.k djuk Hkh gA

1- loJ"B f'k{kd fdl dgk tk ldrk g\ 1

2- f'k{kk dk m)'; Li"V djk\ 1

3- vxtk u gekj n'k e fdl idkj dh f'k{kk i|fr 'k: dh\ bldk D;k ifj.kke fudyk\ 1

4- ikphu dky e f'k{kk dk m)'; D;k Fkk\ 1

5- ;kX; 'kCn dk foyke 'kCn fy[kkA 1

6- f'k{kd 'kCn d nk i;k;okph 'kCn fy[kkA 1

7- vk; 'kCn dk lekukFkh 'kcn fy[kkA 1

i-3 fuEufyf[kr vifBr i|k'k dk i<dj uhp fy[k i'uk d mRrj fy[kk
ior dgrk 'kh'k mBkdj] re Hkh Åp cu tkvk]
lkxj dgrk g ygjk&ygjk dj eu e xgjkb ykvkA
le> jgk D;k dgrh g] mB &mB fxj&fxj rjy rjx]
Hkj yk] Hkj yk viu eu e ehBh&ehBh eny mexA
iFoh dgrh /k; u NkMk] fdruk gh flj ij Hkkj]
uHk dgrk g Qyk bruk] <d yk re lkjk llkjAA

1- ior D;k ln'k nrk g\ 1

2- iFoh ge D;k f'k{kk nrh g\ 1

3- vkdk'k D;k ln'k nrk g\ 1

4- ^eu e xgjkb ykuk* dk D;k vFk g\ 1

5- Lkkxj d i;k;okph 'kCn fy[kkA 1

6- 'kh'k 'kCn d lekukFkh :i fy[kkA 1

i-4 fdUgh nks d nk&nk i;k;okph 'kCn fy[kk& 2×1 =2
fny yg ukjh fctyh fuHk;

i-5 fdUgh nks d foyke 'kCn fy[kk& 2×1 =2
jl tkxfr l/kk vKkuh

i-6 opu cny dj okD; iu% fy[kk 2× ½ =1

1- phVh iÙk dk ?kj cukrh gA

2- uUgh phfV;k nku ydj p<eh gA

i-7 egkRek o l;kLr 'kCn d lf/k foPNn djkA 2× ½ =1

i-8 vud 'kCnk d fy, ,d 'kCn fy[kk 2× ½ =1

1- tk viuh euekuh djA 2- ftle eerk ugkA

i-9 fdUgh nk d lekl foxg dj lekl d Hkn fy[kk& 2×1 =2
Hkkjr&jRu eR;nM thounku jkxeDr

i-10 fo@lg@cn@ milx l nk u, 'kCn cukvkA 2× ½ =1

i-11 dkjd d Hkn fy[kkA 2× ½ =1

1- jktk dk iLrd pkfg,A 2- cnj Nr ij cBk gA

i-12 fdUgh nk d vudkFkh 'kCn fy[kkA 2× ½ =1
cMk vrj ekx fQly

i-13 fdlh ,d egkoj dk vFk fy[kkA 2× ½ =1
fpduk ?kMk xkxj e lkxj Hkjuk

i-14 fdUgh rhu okD;k e lgh o xyr dk fu'kku yxkvk& 3×1 = 3

1- o.kk dk lkFkd leg 'kCn dgykrk gA

2- :< 'kCn d d VdM ugh fd, tk ldrA

3- 'kCn Hkk"kk dh Lor= bdkb gA

4- _ & âLo Loj gA

5- vuukfld ,d ,lh /ofu g] ftl Loj l vyx fd;k tk ldrk gA

i-15 fdUgh nk d fjDr LFkku dh ifr djk& 2×1=2

1- tk 'kCn viuk lkekU; vFk NkMdj fo'k"k vFk dk ck/k djkr g] o ---------- 'kCn dgykr gA

2- lLdr d ftu 'kCnk dk i;kx fgUnh e T;k dk R;k gkrk g] ---------- 'kCn dgykr gA

3- tk 'kCn fgUnh dh ckfy;k l fgUnh e vk, g] -------- 'kCn dgykr gA

Hkkx&c

i-16 fdUgh vkB d 'kCnkFk fy[kk& 8×½ =4

vrj	iru	fodykx	gykgy	,yku
[kkn;	gDe	{k.kHkxj	fetkt	[kkek'kh

i-17 lgh mÙkj dk Øekd fyf[k,& 8×½ =4

1- vkfnR; u [kyhy d fy, D;k lHkky dj j[kk FkkA

¼v½ ilkn ¼c½ xn ¼l½ xM

2- vkjke djk& ikB d vulkj dfo D;k dgykuk lgh le>rk g&

¼v½ vkylh ¼c½ dkepkj ¼l½ e[k

3- tfy;kokyk ckx gR;kdkM l dlh Hkkouk mÙkUu gb\

¼v½ cny dh ¼c½ n%[k o ihMk dh ¼l½ Øk/k o f/kDdkj dh

4- 'kkgtgk ifjokj d lkFk dgk jg jg Fk\

¼v½ fnYyh e ¼c½ ekM e ¼l½ vkxjk e

5- dfo fdu nk fodYik dh ppk dj jg g\

¼v½ fopkj&eY; ¼c½ ryokj&dye ¼l½ Hkko&'kfDr

6- dlk jk"V vt; g\

¼v½ tgk ykx l'kDr gk ¼c½ tgk tk'khy fopkj o Hkkok l Hkj ykx gk

¼l½ tgk 'kfDr'kkyh ykx gkA

7- pkpk u viuh lkjh nkyr fdld uke dj nh\

¼v½ ,fy;k d ¼c½ eNjk o vukFk cPpk d ¼l½ ljdkj d

8- dfo fdldh 'kiFk yu dk vkxg dj jg g\

¼v½ cfn/kthfo;k dh ¼c½ d:.kkdj dh ¼l½ lxhrdkj dh

i-18 fjDr LFkku dh ifr djk& 5× 1 =5

1- Lug&'kiFk dfork d y[kd dk uke ---------- gA

2- Pkkpk eju ij viuh lkjh ---------- ml n tku oky FkA

3- vkx ---------- mcyrh g ---------- fpuxkjh cur gA

4- ejh lkjh fprk, ---------- d >M dh rjg ej flj e bdBBk gk jgh gA

5- gjd ?kj ;k cLrh e ,d ---------- gkrh gA

i-19 fdUgh lkr i'uk d mÙkj fy[kk& 7×2 =14

1- gMekLVj u cPpk dk D;k dgk\

2- dfo voyen ykxk ykkxk d ikl D;k ugh tkuk pkgr\

3- phfV;k dk lkekftd ik.kh D;k dgk tkrk g\

4- Qjeku i< tku d l'pkr 'kkgtgk dh D;k ifrfØ;k Fkh\

5- dk.k&eNyh nkM dfBu D;k Fkh\

6- ,fy;k dh nk pfj=xr fo'k"krk, fyf[k,\

7- ^^ie dh 'kfDr vlhfer gA** Li"V dhft,A

8- vki dye vkj ryokj e l fdl J"B ekur g\ rd nhft,\

9- vxtk dk vU;k; i.k dkuu dku lk Fkk\

10- ,fy;k ,dkr e D;k cBrk Fkk\

i-20 Hkko Li"V djk& 3× 1 =3

tk vkB fgyku e jl g] og Hkh u gkFk pyku eA

vFkok

dye mxyrh vkx] tgk v{kj cur fpxkjhA

i-21 fuEufyf[kr ifBr i|k'k dk i<dj uhp fy[k i'uk d mÙkj nk&

rHkh og vpkud mB cBk vkj lnh l dkirk gvk ux iko cMh ujeh l pyrk gvk viu cxy oky elkfQj dh [kfV;k d ikl x;kA mldk ,d cV mlu iguk gh Fkk fd mld rir g, iko e dkb pht pHkhA mlu cV mrkj Mkyk] rHkh dkBjh d ckgj l ml vLi"V lh vkokt lukb nh rk Mj d ekj mld iko ogk d ogk te x,A vkj mlh le; mlu viuh vkRek dh QVdkj luh fd og iru d jkLr ij tk jgk gA

1- ,fy;k d iko ogh d ogh D;k te x,\ ½

2- ,fy;k dh vkRek dh D;k ifrfØ;k Fkh\ ½

3- elkfQj 'kCn dk lekukFkh fy[kkA ½

4- ,fy;k d ij D;k dki jg Fk\ ½

Hkkx & l

i-22 fuEu l fdlh ,d fo"k; ij 200 'kCnk e fuc/k fyf[k,& 5

1- Hk"Vkpkj% vkt dh ie[k leL;k 3- c<rh tul[;k% ,d vfHk'kkiA

2- efnjkiku% ,d lkekftd dyd 4- egxkb

i-23 viu {k= d Mkfd, dh f'kdk;r djr g,] Mkdiky e[; Mkd?kj vf/kdkjh egkn; dk i= fyf[k,A ½2$2$1½5

vFkok

viu {k= e c< jg vijk/kk dh jkdFkke d fy, Fkkuk/;{k dk i= fyf[k,A

vFkok

Hkkjrh; fdlku dh leL;k, crkr g, NkV Hkkb dk i= fy[kkA

******

NLCS/2017/145 Roll No. _____

Half Yearly Examination 2017 -18

Class – VII

Subject – English

Time : 3 : 00 Hrs. **M.M.80**

Section – A

A.1 Read the passage carefully and Answer the following Questions from the passage:

The most familiar image of Mahatma Gandhi is of him seated, bare chested and in a short dhoti, at the spinning wheel. He made spinning on the charkha and the daily use of Khadi, or coarse cloth made from homespun yarn, very powerful symbols. These were not only symbols of self- relians but also of resistance to the use of British mill-made cloth.

Mahatma Gandhi's experiments with clothing sum up the changing attitude to dress in the Indian subcontinent. As a boy from a Gujarati Bania family, he usually wore a shirt with a dhoti or pyjama, and sometimes a coat. When he went to London to study law as a boy of 19 in 1988, he cut off the Tuft on his head and dressed in Western suit so that he would not be laughed at. On his return, he continued to wear Western, suits topped with a turban. As a lawyer in Johannesburg, South Africa in the 1890s, he still wore Western clothes.

Soon he decided that dressing 'Unsuitably' was a more powerful political statement. In Durban in 1913, Gandhi first appeared in a lungi and kurta with his head shaved as a sign of mourning to protest against the shooting of Indian coal miners.

On his return to India in 1915, he decided to dress like a Kathiawadi peasant. Only in 1921 did he adopt the short dhoti, the form of dress he wore until his death.

A.1.1 What did Mahatma Gandhi often wear? 1

(a) Kurta and dhoti (b) Kurta and Pyjama (c) A short dhoti (d) None of the above

A.1.2 What did he often do? 1

(a) Read (b) spinned (c) slept (d) Exercised

A.1.3 What was Khadi symbol of - 1

(a) Slavery (b) Freedom (c) self reliance (d) None of the above

A.1.4 Fill in the blanks : 1+1=2

(a) Mahatma Gandhi experimented with ---------- .

(b) Mahatma Gandhi belonged to a ---------- family.

A.1.5 Find out the word from the passage which mean 'to oppose'. 1

A.1.6 Give a suitable title to the passage. 1

A.2 Read the following passage and Answer the Questions :-

Kya Cheese Hai!

Cheese is one of the most popular ingredients used the world over. There are 18 distinct types of cheese, depending upon the kind of milk and the way the milk is processed. The simplest type of cheese is paneer, or cottage cheese milk is heated and curdled by adding lemon juice or vinegar. Then the excess whey or liquid is drained out and the cheese is pressed into blocks that are eaten fresh or fried and added to curries.

Some types of cheese are made by using animal rennet to curdle the milk. Others contain vegetable rennet, extracted from a species of thistle. Rennet is also manufactured chemically in the laboratory. There even a kind of fungus that is fermented to mimic rennet. Some cheeses are ripened by deliberately injecting special moulds and bacteria. The bacteria create holes on the surface of the cheese. Moulds ripen the cheese internally and form blue veins to produce a distinctive flavour. Besides cow and buffalo milk, cheese can be made from the milk of sheep, goats, camels, mares, Jennies, Yaks and even reindeer!

Nutri – facts

About 5.5 litres of whole milk are required to make half a kilo of cheese! So cheese contains the nutrients found in milk in a concentrated form. Cheese is a good source of protein, Vitamins A, B_{12}, D and minerals like calcium, phosphorous and Zinc.

A.2.1 Complete the following :

Distinct types of cheese depends upon two things :

(i) ---------- 1

(ii) ---------- 1

A.2.2 A certain kind of fungus is also ---------- to mimic rennet. 1

A.2.3 To make half a kilo of cheese, we will require ---------- . 1

A.2.4 Answer the following :

(i) Which cheese is considered the simplest one? 1

(ii) Name some animals whose milk is used to prepare cheese. 1

(iii) What type of nutrients are obtained from cheese? 1

A.3 Read the following passage and Answer the Questions given below :

A letter to Grown – ups

Dear Grown-ups,
Please leave all the flowers there.
And do not cut down the trees.
We need the trees to make fresh air
And flowers to feed the bees.

Please do not always use your car
To take you everywhere,
Because the fumes go very far
And heat the atmosphere.
Then soon the sun will be too hot
And all the plants will die.
So, please go out and walk a lot
To see the clear blue sky.
Then we will run and jump and play.
And grow up strong and tall.
Then we will be happy everyday
And we will thank you all.

A.3.1 Choose the most appropriate option :

(i) In this poem, the poet is making an appeal to – 1

(a) her teachers (b) her parents (c) all the elders (d) fellow children

(ii) The flowers should not be plucked, because – 1

(a) They are beautiful (b) they feed the bees (c) they are useful for future (d) they give fragrance

(iii) If we want to get fresh air - 1

(a) We should cut the trees (b) we should use air conditions

(c) we should keep bees in the garden (d) we should save the trees

A.3.2 Write whether the following statements are True OR False :

(i) We should cut down the trees. 1

(ii) We need flowers to feed the bees. 1

(iv) We should not always use our cars to go every where. 1

Section – B

B.4 You participated in an inter-school Declamation contest and won second prize. Describe the event and your feelings in the form of a diary entry. Sign yourself as Apoorav / Apoorva. 5

OR

As Madhur / Madhuri of Class 7th C, write a letter to the Principal of your school complaining against the rash driving of your school van's driver.

B.5 You must have noticed a motorcycle in your house or somewhere around you. Taking ideas from the clues given below. Write a short paragraph describing it.
[clues - * Brand name * colour * Capacity (100 / 125cc) *Description of features like – wheels, kick / self start, pick up, No. of gears, seating capacity, max. speed, mileage etc. * your remarks] 5

OR

You have been selected for an inter house declamation contest. Taking ideas from the verbal hints. Write a speech on the topic 'The Educational Value of Television' in about 150 words.
[clues - * Best source of mass madia * 100s of informative channels * Latest news * Live telecasts * Sports, Entertainment, Education etc.]

B.6 Read carefully the outlines of a story and develop these outline into a story. Also suggest a suitable title.

A lamb ---------- grazing with flock of sheep ----------found sweet grass ---------- went farther ---------- separated from others ---------- didn't notice ---------- a wolf coming nearer ---------- wolf pounced upon lamb ---------- lamb pleaded ---------- said his stomach full of grass ---------- wait to taste better ---------- wolf waited ---------- lamb requested ---------- to allow him to dance ---------- grass will be digested ---------- told wolf ring the bell ---------- shepherd heard ---------- sent dogs to find lamb wolf frightened away. 5

OR

You are Anuneeta Chatterjee, a student of Class VII B of the vintage School, Kolkata. You have lost your new paint – brush kit somewhere in the school. Write a notice in not more than 50 words including necessary details. Put your notice in a box.

Grammar

B.7 The following passage have not been edited. There is an error in each line with a blank against it. Write the incorrect word and the correct word in the space provided in each line. ½×4=2

		Incorrect	Correct
I step out of the hostel	(a)	----------	----------
Gate. Our hostel was not much	(b)	----------	----------
than a hundred yard from the	(c)	----------	----------
river. The sand was damp with a	(d)	----------	----------
morning dew.			

B.8 Define adjective with an example and also name its kinds. 1+1=2

B.9 Fill in the blanks with suitable articles a, an, the : ½×4=2

(i) Ayushi is ---------- foolish girl.
(ii) Iron is ---------- useful metal.
(iii) Call ---------- man standing there.
(iv) I had to wait for him for ---------- hour.

B.10 Do as directed : ½×6=3

(i) Their house are made of stone. [Pick out the Noun and name them]
(ii) Roohani has two brothers. [Pick out the Noun and name them]
(iii) Which is your friend's house? [Pick out Nouns and write the case of each]
(iv) We bought a new horse yesterday. [Pick out Nouns and write the case of each]
(v) This is your pen. The pen is ---------- . [Fill in possessive Pronouns]
(vi) This is her frock. This frock is ---------- . [Fill in possessive Pronouns]

B.11 Re-arrange the following sentence to make a meaningful sentence : 1×2=2

(i) an important / The recess / of the / is / school time – table / period
(ii) human health / fitness / water / vital / is / and / for.

B.12 Punctuate the following sentences : ½×4=2

(i) do you know how to swim.

(ii) reema can dance very well.

B.13 Change the following as per given in the bracket : 1×2=2

(i) We are making a mistake. [Change into interrogative]

(ii) Was she crying? [Change into affirmative Past Continuous form]

B.14 Change the Voice : 1×3=3

(i) She will perform a folk dance.

(ii) Do you like milk?

(iii) You can learn this lesson.

B.15 Add suffix to the following to make a new word : ½×4=2

(i) Explode (ii) invite (iii) complete (iv) Permit

Section – C [Literature]

C.16 Read the extract and Answer the following Questions : 4×2=8

(i) "Go ahead and buy whatever you need dear".

(a) Who said these words and to whom?

(b) What did the person spoken to need to buy? Did the person buy whatever was needed?

(c) What happened the next day?

(d) Manjula was a football fan. [True OR False]

(ii) "It was a thing no man called his own".

(a) What is the thing?

(b) According to the speaker, whose 'thing' was it?

(c) What could a man call his own?

(d) Match these –

(I)	Ravine	-	(A) want
(II)	Covet	-	(B) a deep narrow valley

C.17 Answer the following Question in 10 – 20 words [Any Eight] – 1×8=8

(i) Where was black beauty born and raised?

(ii) Why did Squire Gordon examine Black Beauty? What did he say?

(iii) When do flowers come rushing out? Why do they dance upon the grass in wild glee?

(iv) When are flowers joyous and colourful?

(v) Why did the narrator hesitate to enter the house?

(vi) Why did the family not have company often?

(vii) How were Manjula's hands different?

(viii) What presents did she get for her birthday?

(ix) Why is the poet entranced by the butterfly?

(x) What is the poet unsure about as he watches the motionless butterfly? Why?

C.18 Answer the following in 30-40 words [Any Four] : 1½×4=6

(i) ……. He would have what he called fun with the colts? Was it 'fun' for Black Beauty? Did his master think it was fun? Do you agree with him?

(ii) Did Manjula's handicap affect her daily life? Give examples to support your Answer?

(iii) Do you think Harold's physical appearance was important to the narrator and his family? What was their reaction to the hornbill?

(iv) What did narrator wish for Harold many years later? What does this indicate about his relationship with the hornbill?

(v) What do you think is the message of the poem 'The Pied Piper of Hamelin'?

(vi) If you were asked to choose another title for poem 'The Pied Piper of Hamelin', What would it be?

C.19 Give a character Sketch on anyone of the following : 3×1=3

Keki N Daruwalla **OR** Ruskin Bond

*****

(ii) The numerator and the denominator or a fraction are in the Ratio 3 : 2. If 3 is added to the numerator and 2 is subtracted from the denominator a new fraction is formed whose value is $\frac{9}{4}$. Find the original fraction. 4

OR

The angles of a pentagon are in the ratio 2 : 4 : 2 : 1 : 1. If the total measure of the angle of a pentagon is 540. Degree what are the measure of each angle.

(iii) A lawn is 80m. long and 60m. wide. There is a swimming pool of length 20m ×6m in this lawn. What will be the cost of putting grass in the remaining part of the field at ì 30 per square metre? 4

OR

A outer length and breadth of photo frame is 60cm × 40 cm. If the width of the frame is 2.5cm. What is the length and the other along the breadth. Find the area of the Road.

(iv) In a triangle, the measure of the angles are x, $x+20$ and $2x$. What is the value of x? 4

OR

Leela walks 8m. west and 15m north to reach the opposite corner of a rectangular field. Lovleen walked from the same point diagonally to the opposite corner. What is the distance walked by Lovleen?

*****

NLCS/2017/145

Half Yearly Examination 2017 -18

Class – VII

Subject – Mathematics

Time : 3 : 00 Hrs. **M.M.80**

Part - A

Q.1 Multiple Choice Question: **5×1=5**

(i) $(-7)\times(+3) =$ …….. .

(a) – 21 (b) 21 (c) – 10 (d) +10

(ii) Find the Reciprocal of 5 :

(a) $\frac{1}{-5}$ (b) $\frac{1}{5}$ (c) –5 (d) 0

(iii) Additive inverse of $\frac{-3}{4}$ is :

(a) $\frac{4}{3}$ (b) $\frac{-4}{3}$ (c) $\frac{3}{4}$ (d) 0

(iv) $8°\times 3° =$ …….. .

(a) 24 (b) 0 (c) 2 (d) 1

(v) Supplements of 114° is :

(a) 66° (b) 56° (c) 76° (d) 46°

Q.2 Fill ups :- **5×1=5**

(i) Area of circle ---------- .

(ii) Value of $(-7)^3$ is ---------- .

(iii) (+ 681) × 0 = ---------- .

(iv) 8% of 600m. = ---------- .

(v) Formula of Profit % = ---------- .

Part – B

Q.3 Simplify : **12×2=24**

(i) (a) (+ 103) ×[(– 3) – (– 5)] (b) 72 × (36 + 14)

(ii) Find $\frac{4}{5}$ of (a) 50 (b) 100

(iii) Solve the following :

(a) $\left(\frac{2}{3}-\frac{4}{9}\right)\times 3\frac{2}{5}$ (b) $\frac{2}{3}\div\left(1\frac{2}{5}-2\frac{1}{15}\right)$

(iv) Arrange in the Ascending order :
$\frac{5}{8}, \frac{5}{6}, \frac{-3}{4}, \frac{11}{12}, \frac{2}{3}$

(v) Simplify : (a) $\frac{1}{3}+\left(\frac{-3}{4}\right)+\frac{7}{8}$ (b) $\frac{5}{8}\div\frac{-3}{4}$

(vi) Express the following in scientific Notation :
(a) 56,30,000 (b) .0000125

(vii) Find the value of : (a) $\left(\frac{4}{5}\right)^3$ (b) $\left((10)^3\right)^2$

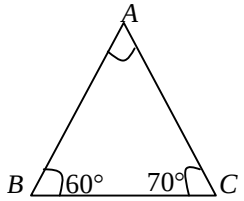
(viii) Express the following as Ratio in the simplest form :
(a) ì 7 and 50 Paise to ì 4. (b) 700 $m\ell$. to 1 ℓ .

(ix) The sides of a triangle are in the Ratio 2 : 3 : 4 and its perimeter is 63 cm. What are the length of its sides.

(x) Find : 36% of 825 km.

(xi) Express the following Percentage as fraction in the simplest form : (a) 5% (b) 50%

(xii) Calculate the Magnitude of the angle. Find the $\angle$ A.



(xiii) In Δ ABC, $\angle$ C is the Right angle. 'a' and 'b' are legs and C is the hypotenuse find the third side if : a=5, b=?, c=13.

(xiv) Find the Area of Δ ABC, given that AB=BC=8cm., ⌊ABC =90°.

Part - C

Q.4 (i) Simplify using 'BODMAS' Rule – **3×10=30**
$5 + [\, 14 \div (-7) - \{\, 6 \times \overline{5+1} \times 4)\}]$

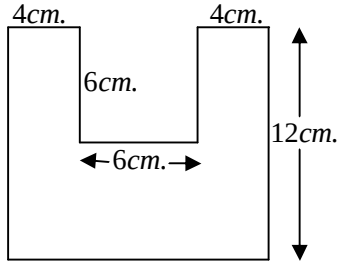
(ii) Simplify : $-3\frac{1}{5}\times\frac{3}{8}\times3\frac{1}{3}$.

(iii) Simplify : $\frac{5^3\times3^5\times6}{3^2\times25}$.

(iv) Ten pencils are sold at the cost of ì 58. Find the cost of one pencil.

(v) Calculate the Interest and Amount Principal =ì 1200 Rate (P.A.)=12% Time =3Years.

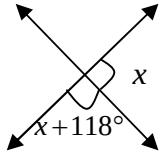
(vi) Find the perimeter of the followings figure :



(vii) The Area of a Rectangular Lawn is 255m^2 if its length is 15m. find its perimeter.

(viii) Abhay drives 4km. to the north and them 3 km to the east. Find the distance between the starting point and the terminating point.

(ix) Find the value of x.



(x) 1800 people visited a book fair. $\frac{7}{18}$ of them were men and $\frac{11}{24}$ of them were ladies. The remaining were children. What fraction of the them were children and how many children were present?

(xi) An alloy consists of 30% copper, 40% zinc and the remaining is nickel. Find the amount of nickel in 20 kg of the alloy?

(xii) In 3 Hours a train cover 195 km. travelling at the some speed. What distance would the train cover in 5 hours?

Part - D

Q.5 (i) Find 5 Rational Number between $\frac{-5}{7}$ and $\frac{-3}{8}$. 4

OR

List 4 Rational Number between $\frac{-1}{5}$ and $\frac{-4}{13}$.

Q.8 Long Answer : **4×5=20**

(i) Describe the digestive system of a ruminant.

OR

Explain the life cycle of the silk moth.

(ii) How do desert animals conserve water?

OR

Describe the effects of climate change.

(iii) Explain the working of an electric bell.

OR

Why is the filament of a bulb made of a thin tungsten wire?

(iv) Why are open draining systems harmful?

OR

A septic tank is a mini sewage treatment plant. Explain.

(v) Define the following with suitable example :

(a) conduction (b) convection (c) Radiation

OR

How do convection current give rise to breeze in coastal region.

Q.9 Draw a labelled diagram (**Any Two**) : **2½×2=5**

(i) Simple electric circuit (ii) Electric Bulb

(iii) Thermos flask

*****

NLCS/2017/145

Half Yearly Examination 2017 -18

Class – VII

Subject – Science

Time : 3 : 00 Hrs. **M.M.80**

Part - A

Q.1 Multiple Choice Question: **½×8=4**

(i) The excess food in a plant is stored as :

(a) Protein (b) Starch (c) water (d) Oxygen

(ii) Glucose combine with oxygen and produces –

(a) Sugar (b) Carbon dioxide (c) water (d) energy

(iii) The fibre that leaves a hard residue upon burning is –

(a) Silk (b) cotton (c) wool (d) nylon

(iv) Global warming may result in –

(a) increase in the sea level

(b) fall in the earth's temperature

(c) more ice in the polar regions

(d) increase in animals populations

(v) A region which is cloudy and windy has –

(a) high humidity (b) high pressure

(c) low pressure (d) low humidity

(vi) An aircraft flying at a constant speed in an example of –

(a) periodic motion (b) random motion

(c) uniform motion (d) Non uniform motion

(vii) Tungsten metal has –

(a) low resistance (b) low melting point

(c) high resistance (d) poor conducting property

(viii) A septic tank is suitable for places having –

(a) clayey soil (b) sandy soil

(c) scarce fresh water (d) inadequate rainfall

Q.2 Fill ups :- **½×8=4**

(i) ---------- breaks down starch into sugar in the mouth.

(ii) ---------- is secreted by a caterpillar.

(iii) Thermal energy flow between objects due to difference in ---------- .
(iv) Broad leafy trees grow in ---------- .
(v) In the northern hemisphere, cyclones are called ---------- .
(vi) If we measure the distance in kilometers and the time in hours, the unit of speed is written as ---------- .
(vii) A device used to break or complete the circuit is --------- .
(viii) In the final step, the wastewater is treated with -------- gas.

Q.3 Give Answer in One word : **½×8=4**

(i) Where does photosynthesis occur in a plant?
(ii) The fibre that leaves a hard residue upon burning is called?
(iii) A device that can be used to measure the temperature of the substance is called?
(iv) Name two plants that grow on the forest floor in a tropical rainforest.
(v) In which place an air pressure is highest on surface of earth?
(vi) Which clock is used to maintain the accurate standard time in India?
(vii) How many colours does the spectrum of white light have?
(viii) The sludge from the settlement tank is shifted to another tank is called?

Q.4 Match the following :- **½×8=4**

(i)	Parasitic plant	-	(a) mercury
(ii)	Salivary glands	-	(b) typhoons
(iii)	Theromometer	-	(c) inner reflective surface
(iv)	Arboreal	-	(d) oscillation
(v)	Cyclone	-	(e) cuscuta
(vi)	One complete movement Of pendulum	-	(f) outer reflective surface
(vii)	Concave mirror	-	(g) Orangutans
(viii)	Convex mirror	-	(h) Saliva

Q.5 Define :- **½×8=4**

(i) Digestion (ii) sheep rearing (iii) heat insulator
(iv) Global warming (v) Atmosphere (vi) motion
(vii) Sewage (viii) sludge

Section – B

Q.6 Very short Answer [**Any Eleven**] :- **1×11=11**

(i) What is nutrition?
(ii) Which organ secretes bile? Which organ stores bile?
(iii) Why cannot a single silk fibre form a thread?
(iv) What is thermal energy?
(v) What does temperature of a substance indicate?
(vi) Why do birds migrate?
(vii) Describe the climate in the polar regions.
(viii) Who issues cyclone alerts in India?
(ix) What does a speedometer measure?
(x) Name two appliances that use electromagnets.
(xi) Why are concave and convex mirrors called spherical mirrors?
(xii) How are pieces of glass and wood removed?
(xiii) Name two diseases that can spread because of lack of sanitation.

Q.7 Short Answer **[Do Any Twelve**] :- **2×12=24**

(i) Differentiate between total and partial parasitic plants?
(ii) Define rotation of crops?
(iii) How does the human body obtain fatty acids?
(iv) What are the health hazards of silk production?
(v) How does the fur of the polar bear help it to live in the Arctic region?
(vi) How do we read a laboratory thermometer?
(vii) Why the regions close to the equator are warm?
(viii) What are the conditions required for cyclones to form?
(ix) What causes coastal winds?
(x) Differentiate between uniform and non-uniform motion?
(xi) Explain the importance of a fuse in an electric circuit.
(xii) What is rectilinear propagation of light?
(xiii) Why is a convex lens used in a microscope?
(xiv) What will you do to reduce household waste water?

Q.8 Write Answer in Detail :- **4×5=20**

(i) How do archaeological sources help in the study of history?

OR

Describe the Chola administration.

(ii) Lists the mistakes Muhammad-bin-Tughluq committed as a Sultan. Describe the One.

OR

What was the Mansabdari system? How was it organized?

(iii) How many types of rocks are there? How are they formed.

OR

What are volcanoes? What are the different types of Volcano? Give examples of each.

(iv) Do you agree that Universal Adult Franchise is a Unique feature that ensures equality amongst citizens? If yes, Explain with the help of an example.

OR

Write a note on Public health services in India. Compare it with the Private health services.

(v) Discuss about the separate roles of the speaker of the Legislative Assembly and the Governor.

OR

What are the major components of environment?

Q.9 (i) On the outline Map of India mark : **2×2=4**

(a) Delhi (b) Agra (c) Ajmer (d) Mewar

(ii) On map of India mark 4 destructive earthquakes places that have rocked India.

(a) Maharashtra (b) Gujarat

(c) Jammu Kashmir (d) Uttarakhand

*****

NLCS/2017/145

Half Yearly Examination 2017 -18

Class – VII

Subject – Social Studies

Time : 3 : 00 Hrs. **M.M. 80**

Part - A

Q.1 Choice the right option: **8×½=4**

(i) Which of the following ruled during the early medieval period ?

(a) Afgans (b) Turks (c) Pratiharas

(ii) Which city gained importance in the later medieval period?

(a) Jaipur (b) Calcutta (c) Delhi

(iii) ---------- was the main architect of the land revenue system under Emperor Akbar.

(a) Birbal (b) Raja Todarmal (c) Jahangir

(iv) The blanket of air that envelops the Earth is called -

(a) Lithosphere (b) Atmosphere (c) Hydrosphere

(v) The place of origin of an Earthquake is called -

(a) Epicentre (b) Focus (c) Waves

(vi) AU- Shaped valley is created by -

(a) Glaciers (b) Rivers (c) Winds

(vii) Which state was the first to start the midday meal scheme?

(a) Tamil Nadu (b) Andra Pradesh (c) Maharashtra

(viii) The procedure of making and passing a law is called -

(a) Legislation (b) Execution (c) Judicial

Q.2 Fill in the blanks :- **8×½=4**

(i) ---------- was the capital city of the Chandella rulers.

(ii) Jauna Khan was given the title of ---------- .

(iii) Emperor ---------- introduced an efficient system of administration.

(iv) The great variety of life on the Earth is called ---------- .

(v) Rocks are made up of ---------- .

(vi) A river ---------- is the place where river joins another water body.

(vii) ---------- is the most popular form of Government in the World.

(viii) Our ---------- clearly defines the power of the state Government.

Q.3 Write True OR False :- **8×½=4**

(i) Literary sources are the written records.
(ii) Kannauj was the capital of Rashtrakutas.
(iii) Amir Khusrau was a great poet and musician.
(iv) Abiotic components consist of non living like land, water and air.
(v) Chilika lake in Odisha is the largest lagoon in India.
(vi) All rocks are equally prone to weathering and erosion.
(vii) 'Amar Jiban' throws light on the tiresome daily life and experiences of the women of that age.
(viii) The members of a legislative Assembly cannot be more than 200.

Q.4 Answer in One / Two word :- **8×½=4**

(i) Who was the founder of Mughal Empire?
(ii) Who was the most popular Chauhan ruler?
(iii) What does the French word 'environner' mean?
(iv) Who invented the Richter scale an instrument to measure the intensity of an earthquake?
(v) Where are mushroom rocks found?
(vi) Who co ordinates the discussions in the Vidhan Sabha?
(vii) Who opened Mukti Mission in Khedgaon near Pune?
(viii) What is the most important element of a democratic set up?

Q.5 Match the following : **8×½=4**

(i)	Biotic components	-(a) Water
(ii)	Atmosphere	-(b) Air
(iii)	Hydorsphere	-(c) Land
(iv)	Lithosphere	-(d) Plants and animals
(v)	Extinct and dormant volcano	-(e) Primary waves
(vi)	Extinct Volcano	-(f) Ring of Fire
(vii)	Circum-Pacific belt	-(g) Kili manjaro
(viii)	Pwaves	-(h) Mid-World Mountain Belt

Q.6 Answer The following Questions in Short :- **12×1=12**

(i) What does the word medieval mean in history?
(ii) Name the four kingdoms of the Decan other than Rashtrakutas.
(iii) Why was Raziya's reign short and full of problems?
(iv) What was the unique feature of Din-I-Illahi?
(v) What do you understand by the term environment?
(vi) What are metamorphic rocks?
(vii) What are the different types of waves?
(viii) What is a river basin?
(ix) Name two programmes or acts implemented by the Government in villages.
(x) What are the two types of health care services available in India?
(xi) What are the three levels of Government in India?
(xii) Name two literary works composed by women in the 19th century.

Q.7 Answer the following Question in Brief [**Do Any Twelve**]: **12×2=24**

(i) What is the difference between numismatics and epigraphy?
(ii) Write a note on the developments that took place in the field of agriculture during the time of the Cholas.
(iii) Why is Illtutmish called the actual founder of the slave dynasty?
(iv) Why is Fero'z Shah Tughlaq called 'the reformer'?
(v) Differentiate between Diwan-i-Khas and Diwan-i-Aam.
(vi) Write a short note on biosphere.
(vii) Differentiate between magma and lava.
(viii) Write some uses of minerals.
(ix) Discuss in brief about loess.
(x) Explain the most common form of inequality in our society.
(xi) Describe the growth of health care facility in the last 60 years in India.
(xii) What is a bill and how does it become a law?
(xiii) Why is nineteeth century called the age of new awakening?
(xiv) Explain in brief the election procedure of the candidates who become members of the Legislative Assembly.

NLCS/2017/145 Roll No. _____

Half Yearly Examination 2017 -18

Class – VII

Subject : Computer

Time : 3: 00 Hrs. **M.M.80**

Q.1 Fill in the blanks:- **1×5=5**

[Work Area , Clip Art, Form, Parenthesis, Mouse]

(i) To change the mouse settings, click on ---------- option in control Pane.

(ii) A function must be followed by opening and closing ---------- .

(iii) A ---------- provides an easy way to enter or display a record.

(iv) We can insert pictures in a worksheet using ---------- option.

(v) The gray area surrounding the stage is called the ---------.

Q.2 State True OR False :- **1×5=5**

(i) 1 multiplied by 0 equals to 1.

(ii) Sheet tab cannot be renamed.

(iii) Data, once stored in a file cannot be changed.

(iv) Field names can be duplicated in the database.

(v) X-axis is the horizontal axis.

Q.3 Write Short Cut key :- **1 ×5=5**

(i) To copy the formula to all cells.

(ii) To get the total of adjacent cells.

(iii) To insert a frame.

(iv) To convert an object to symbol.

(v) The extension of flash.

Q.4 Application based questions:- **1×3=3**

(i) Ritu has to complete her assignment and submit it on the next day. While typing all of a sudden, the keyboard of the system stopped working. Suggest to her the alternate to complete the assignment.

(ii) The Varun's teacher has asked to find the maximum and minimum marks obtained in the class. Which feature of MS Excel should Varun use in order to accomplish the task?

(iii) Tripti has created a chart. She wants to improve the appearance of her chart by changing the background colour of its Plot area. Which option will you suggest?

Q.5 Tick the correct option :- **1×4=4**

(i) ---------- folder in Window 7 manages documents, music, pictures and other files.

(a) Documents (b) Library (c) Computer

(ii) Which button under Data tab is used to remove a duplicate value form a column?

(a) Remove Duplicates (b) Remove

(c) Remove Data

(iii) Which key is used to group multiple worksheets?

(a) Ctrl (b) Shift (c) Enter

(iv) Name the special window that displays Data when you insert a chart.

(a) Database (b) Datasheet (c) Sheet

Q.6 Answer in one word:- **1×5=5**

(i) Who introduced the concept of 0(zero)?

(ii) Write the width of a file extension, in MS Office 2007.

(iii) What do we call a row in a Database?

(iv) Which chart type displays data in the form of a circle?

(v) What are the default stage dimensions displayed on the Flash Window?

Q.7 Define (**Do Any Four**) :- **1½ ×4=6**

(i) Sleep Mode (ii) Range (iii) Sorting

(iv) Pivot table (v) Data series

Q.8 Answer in Brief [**Do Any Four**] :- **2×4=8**

(i) How will you set the Date and Time for your computer?

(ii) What is cell Reference? Mention its types?

(iii) What is a formula? Explain with the help of examples?

(iv) What are the rules to enter field names?

(v) What is a database? Draw the diagram of Excel Database?

(vi) What do you know about Flash. How to open Flash?

Q.9 Answer Detail [**Do Any Three**] :- **3×3=9**

(i) Convert following number –

$a\ (68)_{10} = (?)_2$

$b\ (1011)_2 = (?)_{10}$

(i) Name the different view formats. Briefly explain any two formats?

(ii) What is the difference between Filter and Advanced filter option?

(iii) How a Column chart is differents from a Bar Chart? Draw Diagram.

(iv) What is a Chart? What is difference between Chart area and Plot area?

Practical / Viva → **20+10=30**

*****

i-13 dk"Bdkr mfpr louke in fpRok fjDr LFkku ifr d:rA 6×½¾3

1- ---------- yrk;ke A ¼rfLeu @ rL;ke½

2- ---------- uiLFk A ¼rL; @ rL;k½

3- ---------- fnuA ¼,d @ ,de @ ,dfLeu½

4- -------- 'kkodkuke A ¼rkRlke @ r"kke½

5- ---------- x/kk; A ¼rL; @ rLe½

6- ---------- okfVdk;k% ¼rL;k% @ rL;½

i-14 fdUgh pkj l[;kokfp inkfu fy[k;Urke& 4×1¾4

35] 37] 40] 45] 48

i-15 llrkg d fnuk d uke lLdr e fy[kk& 6×½¾3

i-16 ex"kkr inkfu ¼foijhFkkd½ fpRok fjDr LFkkukfu ifr d:r& ¼rr%] lonk] rnk] eUnxfr] ltu%½ 5×1¾5

1- rho xfr% ---------- 2- dnkfi ----------

3- br% ---------- 4- d] ;nk ----------

5- ntu% ----------

******

NLS/2017/145 Roll No. _____

v) okf"kd ijh{kk 2017&18

d{kk & lkroh

fo"k; & lLdr

le;% 3%00 ?kVk **i.kkd 80**

i-1 fdUgh nl lLdr 'kCnL; fgUnh 'kCnkFk fy[kr& 10×1¾10

ifronfr pkdxfyd;k vxtk oÙkdk%

ljE;e fefyRok br% rr%

vudEi;k iykfor% ik.kl'k;% ykHkkfHkkHkr%

tyklykoe dk"B dyd

i-2 fuEu i'uke ,d inu mÙkjr%& 8×1¾8

1- rr% luhjk dFk dk; djkfr\ ¼ifjJe.k] dkykgyu] vo/kkuu½

2- v'kkd% fdeFk r= vxPNr\ ¼Hke.kk;] ouHkktk;] [kyuk;½

3- v/kuk d% [ky% v= ykdfi;%\

¼iknd Und&[ky%] ckfLdVcky&[ky%] fØdV&[ky%½

4- n'kL; iknf'kd&Hkk"kk.kke tuuh dk\

¼vkXy Hkk"kk] jk"VHkk"kk] lLdr Hkk"kk½

5- Hkkjr fofo/kk% mÙlok% dFk ekU;r\ ¼Lugu] g"k.k] lg;kxu½

6- Ykkd fd 'khrye\ ¼ekf.kD;e] ekfDrde] pnue½

7- fu% Lou% e?k% dnk o"kfr\

¼o"kkdky] olr&dky] 'kjn&dky½

8- d{kk;k dfr Nk=k% lfUr\

¼f=pRokfj'kr] i×ppRokfj'kr] llrpRokfj'kr½

i-3 ijLijeyue d:r& 6×½¾3

vy dkykgyu fpUrk ek d:

vy dygu dkykgy ek d:

vy fpUr;k fookn ek d:

vy fooknu okrkyki ek d:

vy okrkykiu dyg ek d:

vy dk; vi.ku dk; i.k ek d:

i-4 fdUgh pkj e×t"kk% &inru mfpru v0;;u okD;ifr d:r& 4×1¾4

¼v| ã 'o%½

1- ---------- l% iLrd eyde vxPNrA

2- ---------- vge ihfr Hkktk; xfe";kfeA

3- ---------- Roe pyfp=e n{;flA

4- ---------- l% fo|ky; xPNfrA

5- ---------- vge pyfp=e vi';eA

i-5 ¼v½ Hkkf"kd d;e 8×1¾8

1- ^vxPNr* bfr in d% /kkr d% ydkj%\

2- ^vye* ;kx dk foHkfDr i;Dr%\

3- ^ifBre* bfr in d% /kkr d% iR;;%\

4- ^fo|ky;"k* bfr in d% foHkfDr opu p\

¼d½ iFkek ¼,dopu½ ¼[k½ rrh;k ¼f}opu½

¼x½ llreh ¼cgopu½

¼c½ fdUgh pkj idfr iR;; l;kT; okD;ifr d:r

¼d½ /kkodk% -------- l×tk% lfUrA ¼/kko$reu½

¼[k½ l% ---------- JkUr% HkofrA ¼/kko$DRok½

¼x½ Nk=k% ----- ØhMk{k=e vxPNuA ¼[ky$reu½

¼?k½ gkL; ------ pyfp= ------ ckydk% ilUuk%A ¼n'k$DRok½

¼M½ i= ---- vg Qyee vku;kfeA ¼fy[k$reu½

i-6 v|kkfyf[kr 'ykDL; lilx 0;k[;k d:r%\ 3

'kjfn u o"kfr xtfr] o"kfr o"kkl fu% Lou% e?k%A

Ukhp% onfr u d:r] u onfr ltu% djkR;oAA

vFkok

'ky 'ky u ekf.kD;e] ekfDrde u xt&xtA

Lkk/ko% ufg lo=% pUnue u ou & ouAA

i-7 fdUgh rhu d fun'kkulkj /kkruke mfpr :i fyf[kr&3×2¾6

1- ^[ky* /kkr yV ydkj iFke i:"k ,dopuA

2- gl /kkr yM-ydkj e/;e i:"k cgopu

3- xe /kkr yM-ydkj e/;e i:"k cgopu

4- n'k /kkr yVtdkj iFke i:"k ,dopu

i-8 v/kkfyf[kr x|k'kL; fgUnh vuokn d:rA 4

ektkj% vrho prj% vklhrA l% fouhr Loj.k vonr &^^Hk;e ek vLrA vge v/kuk /ke'khy% eklHk{k.ke u djkfeA Hkoku vfi n;ky% /kefu"B% o)% pA

i-9 fdUgh N% 'kjhjkfu vxkfu uke fy[kr%A 6×1¾6

vFkok

fdUgh N% Qykfu ukefu fy[kr%A ¼fgUnh vkj lLdr½

i-10 mfpr fo'k"k.k fjDrLFkku ij;r& 6×½¾3

¼fo'kky% fo'kkyk] fo'kkye½

1- ,"kk% okfVdk ----------A

2- ,"k% ljkoj% ----------A

3- ,"k% noky;% ----------A

4- ,rr mioue ----------A

5- ,"kk i;kx'kyk ----------A

6- ,rr ØhMk{k=e ---------A

i-11 v/;kid Nk=k;k% lEHkk"k.ke fo"k; 6 l 8 okD;"k lLdr okrkyki fy[k;A 5

i-12 fuEu dFkue 'k)e vkj v'k)e ok& 5×1¾5

1- x|L; thou&fuokg% [kxkuke vudEi;k vHkorA

2- f'kf{kdk luhrk vkfn'kfr&xPN pkdxfydk vku;A

3- vej% ekr.k lg dkfyUnh d×te vkxPNrA

4- ,dnk ektkj% r= vkxPNrA

5- ektkj% if{k 'kkodkuke vLFkhfu dkVV f{kifr Le%A