Yuvashakti Model School
shiksha aur sanskriti
Sector-III, Rohini, Delhi-110085

Winter Break Assignment
Class VIII
ENGLISH

1. I peeked at my watch. It was exactly 12 midnight., I had missed the last bus home and hence I had walked for almost an hour. Thank God! Home was just a few kilometres away. Suddenly …. Complete the story in any suitable way in about 150 words. Give a suitable title to your story.
2. Draft an advertisement on any mobile phone of your choice.
3. Draft a social advertisement on 'Save Earth'.
4. Revise all the work done in the class.

5. Fill in the blanks with appropriate connectors.
   a. Susan is very fat………….. very active.
   b. A student must obey………….. he may leave.
   c. A student must obey………….. he may leave.
   d. The bridge collapsed………… it was made of stones.
   e. He will try…………. he is forced to.
   f. The old man cared for the puppy………….. it were his baby.
   g. He is cheerful ……………. he has worked the whole day.
   h. Lydia likes to sing……… dance when she is happy.
   i. You will do well…………….. you study hard.
   j. The show started ……….. :.. the chief guest arrived.
   k. He was rowing the boat………….. I slept.

6. Change the following sentences to active voice.
   a) The guitar was played by Lisa.
   b) The book is being read by Mary.
   c) The rat is eaten by the cat.
   d) A washing machine has been bought by him.
   e) The lucky draw will be won by him.
   f) A stone was being thrown by the man.
   g) The door had been locked by someone.
   h) A seat was offered to them by her.
   i) Some trees have been planted by the gardener.
   j) Some advice will be given to you by the doctor.

Note – Do all the questions in English grammar notebook.

Maths

Q1. Find the following using suitable identities:
   a) $(102)^2$
   b) 5.1×5.2
   c) $(m^2 - n^2m)^2 + 2m^3n^2$
   d) $(3/2\ m + 2/3\ n)\ (3/2\ m - 2/3\ n)$

Q2. Ram's father is 26 years younger than Ram's grandfather and 29 years older than Ram. The sum of the ages of all the three is 135 years. What is the age of each one of them.

Q3. Sum of the digits of a 2-digit number is three times the older digit. If you interchange the digits of this two digit number and add the resulting number to the original number, you get 88. What is the original number?

Q4. The denominator of a rational number is greater than its numerator by 8. If the numerator is increased by 17 and the denominator is decreased by 1, the number obtained is 3/2. Find the rational number.

Q5. A shopkeeper purchased 200 bulbs for ₹10 each. However, 5 bulbs were fused and had to be thrown away. The remaining were sold at ₹12 each. Find the gain or loss %.

Q6. During a sale, a shop offered a discount of 10% on the marked prices of all the items. What would a customer have to pay for a pair of jeans marked at ₹1450 and two shirts marked at ₹850 each?

Q7. I purchased a hair dryer for ₹5400 including 8% VAT. Find the price before VAT was added.

Q8. Vasudevan invested ₹60,000 at an interest rate of 12% per Annum compounded half yearly. What amount would he get
   1) After 6 months?
   2) After 1 year?

Q9. The compound interest on ₹30,000 for 2 years is ₹4347. Find the rate percent per annum?

Q10. In what time ₹5400 amounts to ₹6773.76 at 12% per annum compound interest?

Q11. A milkman sold two of his buffaloes for 20,000 each. On one he made a gain of 5% and on the other a loss of 10%. Find his overall gain or loss.

Q12. Find the principal which will amount to ₹8748 in 2 years at 8% per annum compound interest.

Q13. The ages of Gagan and Kavita are in the ratio 5:8. Five years from now the ratio of their ages will be 2:3. Find their present ages.

Q14. a steamer goes downstream from one port to another in 6 hours. It covers the same distance upstream in 7 hours. If the speed of the stream be 2 km/h, Find the speed of the streamer in Stillwater.

Q15. In an examination, the pass marks is 40%. If a candidate got 60 marks and failed by 40 marks, Find the maximum marks.

Q16. The difference between simple interest and compound interest on a certain sum of money at 12.5% per annum for two years is ₹150. Find the sum.

Q17. A number is increased by 20% and then decreased by 20%. What is the net increase or decrease percent?

Q18. The price of sugar goes up by 25%. By how much percent must a housewife reduce her consumption so that the expenditure does not increase?

Q19. Factorise the following expressions:
   a) $X^2 - 4x - 45$
   b) $X^2 + 9x + 18$

Q20. What should be added to $a^2 + b^2$ to get $(a+b)^2$?

Science

Answer the following questions.

Q1) What is the adolescences? When does it begin and end.

Q2) Why do acne and pimples appear during adolescence?

Q3) Write a short note on the sex determination of the unborn baby.

Q4) Differentiate between exocrine and endocrine gland.

Q5) Draw a well labelled diagram to show the different location of endocrine glands in the

   human body.

Q6) Why is pituitary gland called "Master gland"?

Q7) List five characteristic features of Adolescence which occurs during Puberty.

Q8) What is AIDS? How it can be prevented?

Q9) What is hormone ? Name any four hormone and their function.

Q10) Name the followings:-

   (a) Chemical regulators released by endocrine gland.
   (b) The stage between childhood and Adulthood.
   (c) Hormone that regulates sugar metabolism.
   (d)   Deficiency of iodine in human causes a disease called____

Q11) Define the term electrolyte. Give it's two examples.

Q12) Differentiate between conductor and insulator.

Q13) Explain the term electrode. Write its different types.

Q14) Give a brief idea on LED.

Q15) Name two processes based on the Principle of electrolysis.

Q16) Name two metals that are used for decorative electroplating.

Q17) Differentiate between Cathode and Anode.

Q18) Suggest two applications of Electrolysis.

Q19) What is meant by electroplating. Draw a diagram to show the electroplating of copper on
iron nail.

Q20) Draw a diagram of electrolysis of water. Write a reaction to show the electrolysis of
water.

Social Science

Q1. Very Short Questions.

1. _____ is a person who leaves his native place for better opportunities.

2. Name the samaj formed by Raja Ram Mohan Roy.

3. Reservation has been provided to _____, _____ and _____.

4. Define population density.

5. Where did Pandita Ramabai open the shelter home?

6. The Mandal Commission was constituted on _____.

Q2. Short Answer Questions.

1. Explain the concept of negative population growth with an example.

2. State the contributions of Raja Ram Mohan Roy in reforming the society.

3. Briefly write about The Mandal Commission.

4. What is the difference between emigrants and immigrants?

5. What was the contribution of Pandita Ramabai in upliftment of women?

6. Write about the minority groups of India.

Q3. Long Answer Questions.

1. Discuss all the factors that affect the population distribution.

2. Why are men described as the super predator of this age? Comment.

3. Write about the Non-Brahmanical Movement. Highlighting its leaders.

4. How did the education for girls evolve in India? Explain

5. What are the steps taken by the government to improve the condition of the marginalised groups?

6. Write about the marginalised groups in India.

संस्कृत

निम्नलिखित प्रश्नों का पूर्णवाक्य में उत्तर दीजिए।

प्रश्न:1 ग्रीष्मकाले जनाः केन पीडिताः भवन्ति।

प्रश्न: 2 उद्यानस्य प्रवेशद्वारे किं लिखितम् ?

प्रश्न: 3 वृक्षाः दिने किं गृह्णन्ति किं च त्यजन्ति?

प्रश्न: 4 वयं किम् कुर्याम किम् च न कुर्याम?

प्रश्न:5 मतिमान् नरः किम् न कुर्यात्?

प्रश्न:6. सेतुः केन भिद्यते?

प्रश्न: 7 कस्मात् भूरिः रक्षणम्?

प्रश्न: 8 कः परमां गतिं याति ?

प्रश्न 9. संधि व संधि विच्छेद कीजिए, - तेनेदम् , एतदेवात्र , त्रयोनराः , वाग्भिरातुरः।

प्रश्न 10. 51 से 100 तक संख्यावाची लिखिए—

निर्देशानुसार लिखिए-

प्रश्न 11. दृश् धातुरूप — लृट् , लोट् लकार

प्रश्न 12. पिब्— लृट् लकार, लङ्। लकार

प्रश्न 13. तत् (पुल्लिंग) तथा मुनि शब्दरूप लिखिए-

प्रश्न 14. कोई 10 अव्यय शब्द अर्थसहित लिखिए-

प्रश्न 15. निम्नलिखित धातुओं के प्रत्यय लिखिए-

   क्त्वा प्रत्यय – श्रु , पठ् , गम् , चल

   गम् प्रत्यय — भू , कथ , चल् , गम्।

French

Q- Mettez au passé composé:

    a) Nous.......(ne pas partir) en vacances.

    b) La famille ......(arriver) à l'heure.

    c) Nicole et Sylvie.......... (descendre) par l'escalier.

    d) Les filles........ (tomber) dans la rue.

    e) Catherine..........(ne pas s'amuser) dans la boum.

Q- Complète avec le futur proche les phrases suivantes

    a.Nous...... (manger) une pizza.

    b. Vous...... (se lever) dans une heure.

    c. Elena et Manu...... (étudier) pour l'examen

    d. Ma famille...... (visiter) le musée de Malaga.

    e. Je......... (marcher) avec ma cousine Céline

    f.Tu ......(ne pas voyager) à Marseille

    g. Anne ......(cuisiner) des hamburgers

Q- Conjuguez les verbes entre parenthèses ou passé récent.

    1. Tu ....(ne pas prendre) un cafe

    2. L'avion ....(décoller)

    3. Ma mère et ma grand-mère ......(parler) au téléphone.

    4. Vous.......(se promener)dans le jardin.

    5. Je ....(voir) mon professeur de Français au supermarché

    6. Nadine et Charles ....(commencer) à faire le gâteau

    7. Mon frère et moi ....(terminer) nos devoirs.