



W.H. Smith Memorial School

Class 11A

Project 2026-27 (Holiday Home work)

HOLIDAY HOMEWORK/PROJECT WORK- 2026-27

CLASS 11A

LANGUAGE IN ENGLISH

20 Marks Project of English Language is based on Aural (Listening) Skill and Oral (Speaking) Skill.

HOLIDAY HOMEWORK WORKSHEET

GENERAL INSTRUCTION:

This worksheet will be done in Language copy.

Q.1. Write a composition (in approximately 450-500 words) on any one of the following subjects:

(You are reminded that you will be rewarded for orderly and coherent presentation of material, use of appropriate style and general accuracy of spelling, punctuation and grammar.)

- a) Reflect on time when you faced disappointment and describe how you were helped to cope with the situation.
- b) What was the most memorable thing that happened to you in the past year? Give a full account of this experience.
- c) Prejudice: what have you experienced of prejudice in your home, your school or among your acquaintances?
- d) Games show on T.V.
- e) Television has changed the ways of family life. Write your view for or against the statement.
- f) Write an original short story which ends with the one of the following:
'But that's exactly what I've been trying to tell you,' she sputtered angrily.

Q.2. a) In each of the following items, sentence A is complete, but sentence B is not. Complete sentence B making it as similar in meaning to sentence A. Write down sentence B in each case.

- (1) (A) Health is very important, it must not be neglected.
(B) Use 'too' in your sentence.

- (2) (A) The Mayor denied that he had broken any promises.
(B) The Mayor.....
- (3) (A) Nobody expected that he would die.
(B) It was.....
- (4) (A) Who can doubt the truth of this statement?
(B) The truth.....
- (5) (A) I asked him whether he had ever been to Paris.
(B) I said,
- (6) (A) My father was greatly distressed by the news of terrorist attack on Bombay.
(B) The news.....
- (7) (A) He drew the sword to defend himself.
(B) Rewrite the sentence using, 'that'.
- (8) (A) I received his telegram and immediately went to see him.
(B) As soon as.....
- (9) (A) He has never hurt anyone.
(B) Never.....
- (10) (A) He is the richest industrialist of Mumbai.
(B) No man.....
- (11) (A) He will not pay his dues unless he is compelled.
(B) Only.....
- (12) (A) Spare the rod and spoil the child.
(B) If.....
- (13) (A) He entered the room and his father began to scold him.
(B) Hardly.....
- (14) (A) Don't go till you have cleaned your room.
(B) Go.....

b) Fill in the blanks with a word which is appropriate.

- 1) We have yet to plan.....our strategy.
- 2) Put your best foot.....when you go for an interview.
- 3) He prepared himself.....the worst.
- 4) She asked him if he could pose..... her painting.
- 5) He preferred death.....dishonour.
- 6) The house called.....the impeachment of the President.
- 7) She felt she could hold her head.....with pride.
- 8) The whole class sided.....Rehan.

- 9) They started.....their trip early in the morning.
- 10) The teacher asked him to throw all the torn..pages in the dustbin.
- 11) He swore.....his holy book to tell the truth.
- 12) As the ship drifted....., the people were puzzled even more.
- 13) The villagers were rooted.....their old beliefs.
- 14) Everybody blamed him....the disaster.

c) In the following passage, fill in each of the numbered blanks with the correct form of the word given in brackets. (Do not copy the passage but write in correct serial order the word appropriate to the blank space.)

When Queen Elizabeth (o).....(send) her first email message in 1976, she (1).....(do) it from an enormous supercomputer with a team of experts who (2).....(help) her. Now, the technology (3).....(improve) so much that we can use it from our homes. Now, the technology (3).....(improve) so much that we can use it from our homes. It (4).....(be) so user-friendly that even children (5).....(send) emails by themselves. If you (6).....(travel) frequently, or (7).....(want) to read your emails in different locations, you (8).....(may) want to register with one of the hundreds of companies that (9).....(provide) email access through the web. This (10)..... (be) called web- based email.

Example (0) was

It (0).....(be) evening in the picturesque seaside town of Rameshwaram, in Tamil Nadu. A cool breeze (1).....(blow) from the sea. Along with the sound of waves (2)..... (lap) against the shores (3).....(listen) to the sweet sound of birds (4).....(circle) overhead. Among the children (5)(play) on the beach (6).....(be) a boy with wavy hair and dreamy eyes. This youngster was A.P.J. Abdul Kalam, who later (7)(become) the eleventh President of India. While (8).....(play) with his friends, Abdul (9).....(attract) by the sound of the birds (10).....(fly) above.

LITERATURE IN ENGLISH-

1. Give an alternate ending for the story 'The Living God'.
2. Write down the theme of the stories 'The Living God' and 'Advice to the Youth'

HINDI-

* सभी प्रश्नों का यथा सम्भव लगभग 700 - 700 शब्दों में परियोजना कार्य पूरा करें।

* सभी प्रश्न अनिवार्य हैं।

- 1 . 'दहेज एक सामाजिक कुप्रथा है'- इस विषय पर सारगर्भित निबंध लिखें
- 2 कक्षा 10वीं की परीक्षा के परीक्षाफल को सुनकर अपने मनोदशा के बारे में विस्तार से बताइए।
- 3 कथा सम्राट मुंशी प्रेमचंद के जीवन वृत्त लिखते हुए उनकी रचनाओं का उल्लेख करते हुए उनके साहित्यिक अवदानों का सचित्र वर्णन कीजिए

MATHEMATICS-

Instructions: Students are required to complete any two projects out of the following:

MATHEMATICS CLASS 11

Students are required to make two projects from the topics given below:

1. Explore different methods to prove the result "If a set has 'n' number of elements, then the total number of subsets is 2^n ".
2. Verify that for two sets A and B, $n(A \times B) = p \times q$, where $n(A) = p$ and $n(B) = q$, the total number of relations from A to B is 2^{pq} .
3. Using Venn diagram, verify the distributive law for three given non-empty sets A, B and C.
4. Identify distinction between a relation and a function with suitable examples and illustrate graphically.
5. Establish the relationship between the measure of an angle in degrees and in radians with suitable examples by drawing a rough sketch.
6. Illustrate with the help of a model, the values of sine and cosine functions for different angles which are multiples of $\pi/2$ and π .

7. Draw the graphs of $\sin x$, $\sin 2x$, $2 \sin x$, and $\sin x/2$ on the same graph using same coordinate axes and interpret the same.
8. Draw the graph of $\cos x$, $\cos 2x$, $2 \cos x$, and $\cos x/2$ on the same graph using same coordinate axes and interpret the same.
9. Using argand plane, interpret geometrically, the meaning of $i = \sqrt{-1}$ and its integral powers.
10. Draw the graph of quadratic function $f(x) = ax^2 + bx + c$. From the graph find maximum/minimum value of the function. Also determine the sign of the expression.
11. Construct a Pascal's triangle to write a binomial expansion for a given positive integral exponent.
12. Obtain a formula for the sum of the squares/sum of cubes of 'n' natural numbers.
13. Identify the variability and consistency of two sets of statistical data using the concept of coefficient of variation.
14. Construct the tree structure of the outcomes of a random experiment, when elementary events are not equally likely. Also construct a sample space by taking a suitable example.
15. Let S and S1 be two (non-concentric) circles with centres A, B and radii r_1 , r_2 and d be the distance between their centres. Relation between r_1 , r_2 and d with respect to relative position of two circles.
16. Construct different types of conics by PowerPoint Presentation, or by making a model, using the concept of double cone and a plane.
17. Use focal property of ellipse to construct ellipse.

PHYSICS-

Q.1 All the numericals of chapter-

a. Dimension

b. Motion in one dimension/ two dimension along with examples

c. All the competitive questions NEET and IIT

Q.2 working model for Smith tech fest (2 people to 6 people)

Q.3 Make a PPT on any topic of class 11th minimum size 40 page

It may be handwritten or typed

Examples of topics are :

Dynamics

Wave

Rotational motion etc

CHEMISTRY-

1. Format of the project should be as follows:

Projects should be **hand written** CLEAR Diagrams if any can be coloured.

File should be spiral bound. Your cover page should have the following:

1. Name of the student
2. Class and Section
3. Topic of the Project

2. Your **HAND WRITTEN** project should contain the following information.

1. Acknowledgement
2. Preface
3. Index
4. Detailed description of the project topic
5. Conclusion
6. Bibliography

3. **LIST OF TOPICS FOR PROJECT**

1. How is green chemistry being applied across various industries (e.g., pharmaceuticals, textiles, food processing)?
2. What are some examples of companies that have successfully implemented green chemistry principles in their operations?

BIOLOGY-

Candidates have to creatively execute one project/assignment on an aspect of Biology. Preference is to be given to investigatory projects. Students may choose any one project of their choice. Students can choose any other project besides the ones indicated in the list given below-

1. Genetic disorders
2. Gene therapy
3. Human Genome Project

4. DNA Fingerprinting
5. Bio-piracy
6. Cancer
7. AIDS / Hepatitis
8. Drug Addiction and community
9. Role of microorganisms in Industry
10. Human Population
11. Mendelian Inheritance
12. Environmental Resistance
13. Traditional and Modern Methods- Study of a few traditional methods of pest deterrence vis-a- vis modern methods of pest control- viability of traditional methods in today's scenario and limitations and dangers of modern methods
14. Role of agrochemicals in increasing food production.
15. Or any other topic of your choice

FORMAT OF THE PROJECT-

1. Acknowledgement
2. content
3. Introduction
4. Presentation (graph, Tables, charts, newspaper cuttings, handmade diagrams, photographs, statistical analysis if relevant)
5. Conclusion
6. Bibliography

Project should be handwritten by the candidates. Written page should not exceed 15-20 pages.

COMPUTER

1. Class 10 level programming 10 Programs of your choice Covering Arrays, Strings etc
2. concepts of oops notes