

M R Vivekananda Model School sector 13 Dwarka
HOLIDAY HOMEWORK
Class –XII -A (2024-25)

Dear Parents,

The most awaited Summer Break is from 20th May to 30th June. As per forecast by weather department the temperature will rise more and warm breeze (Loo) will blow. We suggest the following to remain healthy and hydrated:

- **Wear cotton clothes, Consume more liquids and water, Go for morning walk and remain indoors. We want students to utilize this time by reading newspapers, spending value time with elders and grandparents, help parents with daily chores, watch informative TV channels such as National Geographic and Discovery etc.**
- **Students have been given interesting, creative and knowledgeable home work. Ensure that your ward does the task on his/her own using innovative ideas. Parents are advised to guide their ward only.**

Principal

ENGLISH CORE

****Based on your reading of the chapters and as discussed with teacher make attractive projects.**

Here are some suggestions for your Class 12 English project for CBSE:

1. **Climate Change and its Impact:** Explore the causes and effects of climate change on the environment and discuss the importance of understanding this issue
2. **Corruption and its Consequences:** Investigate the impact of corruption on the progress of a nation and discuss its ethical and social implications
3. **Reservation in Academics:** Analyze the concept of reservation in educational institutions and debate its justification and effectiveness
4. **Women Empowerment and Changing Gender Roles:** Examine the role of women empowerment in reshaping gender roles in society and discuss its significance .
5. **Mental Health Awareness:** Highlight the importance of mental health awareness and discuss ways to promote mental well-being .
6. **Artificial Intelligence in Healthcare:** Explore the pros and cons of using artificial intelligence in the healthcare system and discuss its potential impact
7. **Globalization and its Effects:** Study the impact of globalization on the culture and economy of developing nations and analyze its advantages and disadvantages .

8. Significance of Indian Literature: Cite works of Indian authors to illustrate the importance and impact of Indian literature .

9. Pollution Control Measures: Discuss various ways to control pollution and emphasize the importance of environmental conservation .

10. Analysis of Indian Cinema: Conduct a critical analysis of Indian cinema, its evolution, and its impact on society .

Remember to choose a topic that aligns with the CBSE guidelines and allows you to showcase your creativity and writing skills. Conduct thorough research, organize your ideas effectively, and present your project in a clear and understandable manner.

Make projects as per the following :-

I. Cover Page – Title of Project, School details & detail of students

II. Statement of Purpose / objectives / goals. III. Acknowledgement

IV. Certificate of completion under the guidance of the teacher. V. Action Plan for the Project

VI. Questionnaires for interview

VII. A ‘Report’ on the Topic opted for. (1000-1200 words)

VIII. Conclusion

IX. Student Reflection

X. List of resources / bibliography

2. INCLUSIONS:

i. Photographs that capture the positive learning experience of the student.

Writing Section

****Write the following answers in your registers.**

Article Writing

1. Recently the success of the Indian space mission to Mars was in the news. Write an article in 150-200 words on ‘Mangalyaan a feather in India’s Cap. You are Saroj/Sameer.

2. The government campaign against female foeticide and the killing of newborn as well as infant girls has been much in the news recently. Write an article in 150 – 200 words on the Beti Bachao, Beti Padhao (Save the girl child, educate the girl child) campaign. You are Vineet/Vineeta.

3. All activities of man create some pollution and waste. This pollution can be reduced by changing our habits. The need of the hour is to reduce pollution by various ways. Write an article on the topic ‘Pollution Control, the Need of the Hour’ in 150-200 words. You are Arvind / Aastha, a keen environmentalist.

4. You are Sweety/Suresh of L.M. Jain School, Ajmer. As Secretary of your School Co-curricular Activities Club, you visited a slum area in your city where the people suffered a great loss of life and property in a massive fire. The students of your school rendered their services and material help to the victims. Write a report in 100-125 words for your school magazine. (Delhi 2010)

5. Recently your school held a Seminar on Conservation of Water as a part of World Water Day celebrations. As the School Pupil Leader of Maryland School, Gurgaon, write a report in 100-125 words for a local daily. Sign as Pritham/Preeti. (Delhi 2010)

6. Your school organised an exhibition-cum-sale of the items prepared under Work Experience Certificate by your school students. There was an overwhelming response from the public.

Prepare a report in 100- 125 words for a local daily. You are the Coordinator, S.U.P.W. activities, Nita School, Gurgaon. (All India 2010)

7. You have found an expensive geometry box in the school playground. Draft a notice in not more than 50 words for the school notice board. You are Ra'Rani, Class XII, Angel School, Faridabad. (Delhi 2010)

8. You are SrinivafSrinidhi of D.P. Public School, Nagpur. As Student Editor of your school magazine, draft notice in not more than 50 words for your school notice board inviting article sketches from students of all classes. (Delhi 2011)

9. You are Secretary of J.P. Narain Housing Society, R.W.A., Meerut. Draft a notice in not more than 50 words stating that the second instalment of maintenance charges falls due on 31st March 2011, and requesting the members to pay before the due date. Sign as Anil/Anita. (All India 2011)

Report Writing

Q1. MMD School, Nashik, recently organised a science symposium on the topic: 'Effect of pollution on quality of life'. You are Amit/Amita Raazdan, editor of the school magazine.

Write a report on the event for your school magazine. (120 – 150 words)

Q2. You are Karan/ Kirti of L.M. Memorial Public School, Dwarka. Your school has adopted a village as a social responsibility. Students are being taken to teach the children of that village on a regular basis. Write a report, for your school magazine, on the various other programmes organized there in 120 – 150 words.

Q3. Cultural Society Sunshine Public School, Nellore organised an adult literacy camp in its neighbourhood. Write a report in 120 – 150 words on the camp for your school newsletter. You are P.V. Sunitha, Secretary. Use the following clues: no. of volunteers – hours spent in teaching – location of the class – chairs, blackboards – no. of people attending the camp – benefit.

Q4. You are Sandhya/ Sohan an active member of the Animal Lovers Club which works for the welfare of animals by preventing cruelty to them. Recently you visited

Mahatma Gandhi Animal Care Home. You were pleasantly surprised to see the good treatment given to the animals. Write a report in 120 – 150 words on your visit.

Q5. Independence Day was celebrated in your school. District Magistrate, Ms. Indu Bala Sharma was the Chief Guest. Write a report on the function in 120 – 150 words describing all the activities that took place. You are Head boy/Head girl.

Business studies

Researching and writing about a case study of a successful business, analyzing its strategies for success.

Creating a business plan for a hypothetical venture, including market analysis, financial projections, and marketing strategies.

Exploring recent trends in the business world and discussing their implications for future business practices.

Conducting a SWOT analysis (Strengths, Weaknesses, Opportunities, Threats) of a chosen company.

□ Writing an details note on the importance of corporate social responsibility in modern businesses.

□ Prepare a project file as per topics assigned in the class

General guidelines -:

1. Use A4 size punch sheets for the project work.
2. Don't use any different colour pens to write.
3. Use only blue sketch pen for heading & blue gel or dot pens to write the project.
4. Headings must be in bold and underlined.
5. The project must be in good handwriting.

Economics

Answer the following questions in your assignment notebook:

1. Define national income and explain its significance in an economy.
2. Discuss the methods of measuring national income.
3. Explain the difference between GDP at market prices and GDP at factor cost.
4. What are the limitations of using GDP as a measure of a country's economic well-being?
5. Discuss the circular flow of income in an economy and its components.
6. Explain the concept of net national product (NNP) and its significance.
7. Describe the difference between gross national product (GNP) and net national product (NNP).
8. How does the inclusion of depreciation in the calculation of national income affect its accuracy?
9. Discuss the various factors affecting the size and growth of national income.
10. Explain the concept of per capita income and its significance in comparing the standard of living across countries.

Practical questions on national income

Income Method:

Calculate the national income of a country using the income method given the following data: wages and salaries = ₹500 million, interest = ₹200 million, rent = ₹100 million, and profits = ₹400 million.

Explain how transfer payments such as pensions and unemployment benefits affect national income calculations using the income method.

Value Added Method:

Calculate the GDP of a country using the value-added method given the following data: sales revenue = ₹1,000 million, cost of intermediate goods = ₹300 million, and taxes on products = ₹50 million.

Describe the difference between gross value added and net value added, and explain why net value added is used in calculating GDP.

Expenditure Method:

Calculate the GDP of a country using the expenditure method given the following data: consumption expenditure = ₹600 million, investment expenditure = ₹200 million, government expenditure = ₹300 million, and net exports = ₹50 million.

Discuss how changes in consumer confidence can impact consumption expenditure and subsequently affect GDP calculations using the expenditure method.

Part B

Prepare the project files as per the topics and guidelines given in the class

General guidelines -:

1. Use A4 size punch sheets for the project work.
2. Don't use any different colour pens to write.
3. Use only blue sketch pen for heading & blue gel or dot pens to write the project.
4. Headings must be in bold and underlined.
5. The project must be in good handwriting.

PHYSICAL EDUCATION

Q1) BMI of a obese person is :

- a) 19 to 25 b) Less than 28 c) Greater than 30 d) Less than 30

Q2) obesity means:

- a) Less insulin production b) Accumulation of fat
c) Burning of fat d) Enlargement of heart

Q3) What is the excess percentage of the normal weight is called obese:

- a) 15% b) 20% c) 25% d) 30%

Q4) Which of the following asana is not used for obesity:

- a) Ardhamatsyendrasana b) Vajrasana
c) Shalabhasana d) Trikonasana

Q5) Choose the asana which is used for obesity:

- a) Sukhasana b) Shavasana c) Vajrasana d) Shalabhasana

Q6) choose the asana for curing diabetes

- a) Trikonasana b) Vajrasana c) Ardhamatsyendrasana d) Shalabhasana

Q6) If pancreas are not producing enough insulin. It may lead to-

- a) Migrane b) Obesity c) Diabetes d) Hypertension

Q7) A disease associated with respiratory tract is known as :

- a) Diabetes b) Obesity c) Asthma d) Back pain

Q8) choose the asana which helps to control asthma:

- a) Pavanmuktasana b) Trikonasana c) Hastasana d) Chakrasana

Q9) coughing heavy breathing, chest tightness are the symptoms of :

- a) Asthma b) Diabetes c) Obesity d) Back pain

Q10) the pressure of blood increases on the walls of aorta:

- a) Back pain b) Obesity c) Hypertension d) Asthma

Q11) select the asana used to reduce hypertension.

- a) Trikonasana b) Chakrasana c) Shavasana d) Sukhasana

Q12) which asana is not practiced in hypertension.

- a) Vakrasana b) Vajrasana c) Tadasana d) Ardhamatsyendrasana

Q13) Neeti along with her father was regular at District Park in early morning. She realized that

most of the children are obese. She along with her few classmates wanted to help those children.

She discussed with her physical education teacher and the Principal of the school. School decided to organize awareness rally for the neighborhood.

A. Obesity causes

- (a) Underweight (b) Diabetes (c) Back pain (d) Both b & c

B. Which of the following Asana (posture) is not used for curing obesity.

- (a) Ardhamatsyendrasana (b) Vajrasana (c) Parvatasana (d) Trikonasana

C. Choose the Asana which is used for curing obesity

- (a) Sukhasana (b) Shavasana (c) Vajrasana (d) Shalabhasana

Q14). Raman is a student of class VIII and is suffering from Obesity. During a recent medical check-up at school, he was advised to practice yoga and participate in sports activities for curing it. He consulted the yoga instructor at the school for further guidance.

Based on this case answer the following questions:

A. The yoga instructor at the school has asked Raman to perform

- (a) Bhujangasana (b) Pawanmuktasana (c) Vajrasana (d) Chakrasana

B. The BMI index for an Obese person is

- (a) <18.5 (b) 18.5-24.9 (c) >30 (d) >25

C Due to the Obesity; Raman is also suffering from knock knees for which he is advised to

- (a) Walk on inner edge of foot (b) Walk on outer edge of foot
(c) Walk on heels (d) Walk on toes

Q15) 1. The above pose can be identified as

- (a) vajrasana (b) trikonasana (c) Chakrasana (d) padmasana

2. This asana is used to cure

- (a) Obesity (b) diabetes (c) Knee pain (d) Asthma

3. Normal Blood pressure in an adult is _____

- (a) 120/80mm (b) 140/90mm (c) 80/100mm (d) 100/80mm

4. This asana is contraindicated when a person is suffering with _____

- (a) Knee pains (b) gastric problem (c) Sciatica (d) hernia

5. While performing this asana, breathing should be _____

- (a) slower (b) faster (c) only inhale (d) only exhale

Q16) Do practical file work :

Practical 1- fitness test administration (SAI khelo india fitness test)

Practical 2- procedure for asanas , benefits and contraindications for any 2 asanas for each lifestyle disease. (5 lifestyles diseases are there i.e. total 10 asanas , 2 of each)

Practical 3- labelled diagram of field and equipment of any one of the games mentioned below. Also mention its rules, terminologies and skills. (basketball,volleyball,kabbadi.

MATHEMATICS

Revise NCERT chapters 2 to 5 (Exercise and Examples)

Solve assignments in notebooks

Write all formula of chapter trigonometric function, differential and integral in your notebook and revise it daily

Write Practical No. 2,3,5 in file

PSYCHOLOGY

Chapter 1. Variations in Psychological Attributes

1. Creative test measure _____ thinking.
2. When $MA=CA$, IQ will be _____.
3. _____ of a test refers to its consistency
4. Calculate the MA of a 10 year old boy who has an IQ of 120.
5. Triarchic theory of intelligence was proposed by _____.
6. _____ was defined by Binet and Simon as being two mental age years below the chronological age.
7. _____ believe that situations and circumstances in which one is placed influences one's behaviour,
8. _____ is exceptional general ability shown in superior performance in a wide variety of areas.
9. _____ behaviour refers to a person's capacity to be independent and deal effectively with one's environment.
10. Name the Psychologist who proposed the two factor theory of intelligence.
11. _____ are enduring beliefs about an ideal mode of behaviour.
12. _____ proposed the structure of intellect model.
13. If a person has a skill of understanding the motives, feelings and behaviours of other people, S/he is said to have :
 - a) Interpersonal intelligence b) Intrapersonal intelligence
 - c) Linguistic intelligence d) Social intelligence
14. The theory that assumes intelligence as one similar set of abilities is called _____.
15. Gardner gave the theory of _____.
16. _____ gave the concept of seven primary mental abilities.
17. The ability to monitor one's own and other's emotion and use the information to guide ones thinking and actions is called _____.
18. A person with IQ of 85 is considered to have :
 - a) average IQ b) borderline IQ c) Mild mental retardation d) moderate mental retardation
19. An individual's capacity to acquire some specific knowledge or skill is called _____.
20. A student with high aptitude in verbal reasoning and strong interest in reading is more likely to succeed as:
 - a) Engineer b) Journalist C) Doctor d) Businessman
21. Remarkable ability in a certain field is called _____.
22. The Cognitive Assessment System was developed by _____.
23. Ravens progressive matrices is an example of _____ test.
24. _____ made a pioneering attempt in constructing an intelligence test in Hindi.
25. Intelligence that gives emphasis on connectivity with the social world and environment in the Indian tradition is called _____.
26. The preference for a particular activity is called _____.
27. _____ has developed an Indian adaptation of Differential Aptitude Test.
28. Intelligence does not ensure creativity - (True / False)
29. Facets of intelligence according to Indian tradition are cognitive, social, emotional and _____ competence.
30. _____ attempted to standardize Binet's test in Bengali.
31. The bell shaped curve representing frequency distribution of IQ scores is called the _____ curve.
32. In the year _____ Binet and Simon made the first successful attempt to measure intelligence.
33. Environmental deprivation lowers intelligence (True / False)
34. Das, Naglieri and Kirby gave the _____ model of intelligence.
35. The analysis of information to solve problems is called _____ intelligence.
36. People with _____ intelligence may be called street smart.

37. _____ devised the concept of Intelligence Quotient.
38. Intelligence is a product of complex interaction of nature and _____.
39. _____ and _____ gave the concept of Emotional Intelligence.
40. _____ argued that culture provides a social context in which people live, grow and understand the world around them.