

Class XII - Holiday Homework (2018-19)

ENGLISH

Read the novel 'The Invisible Man' by HG Wells and write a brief character sketch of the following: 1) Griffin 2) Mr. Marvel 3) Dr.Kemp 4) Ms.Hall. Also write about two incidents that intrigued you.

Write an essay on the topic – 'Why I want to become an Indian Ambassador to South Korea' (300-500 words) (A4 sheet typed)

MATHS

Assignments (Extra questions and applications based questions) of the following chapter. 1) Inverse Trigonometric functions. 2) Continuity and Differentiability. 3) Application of derivatives.

CHEMISTRY

Collect information to perform an investigatory project on any one of the following topics:- (1) Vitamin-C content in fruit juices (2) Preparation of paints and pigments (3) Water analysis (4) Caesin content in different milk samples (5) Alcohol content in cough syrups (6) Best antacid available in the market (7) Oxalate ion content present in different stages of ripening of guava (8) Dyes and fabrics

OR any other relevant topic.

BIOLOGY

Make a project on any one of the topics related to your syllabus e.g. (1) Study of effect of Antibiotics on Microorganisms. (2) Study of Apical Dominance in Potato and Coleus. (3) Study of pollen germination and calculations of Pollen Viability. (4) To study Dispersal of seeds by various agencies. (5) Study of Canopy Architecture of Trees. (6) Study of development stages of Housefly/Cockroach. (7) Study of Metamorphosis of Frog's Tadpole through specimens. (8) Study of Coaguable & Non-Coaguable proteins in Milk OR any other relevant topic.

PHYSICS

Prepare an Investigatory Project. Following are the examples. (1) To fabricate logic gates. (2) To study the different brands of cells available in the market using potentiometer & compare their EMF's & internal resistances. (3) To find the efficiency of various brands of bulbs. (4) To find the refractive indices of various liquids. (5) To design a transformer & study its characteristics.

BUSINESS STUDIES

Prepare a project on any one topic-

- Marketing Management by selecting on innovative product and applying the tools of marketing mix i.e. 4P's
- Application of principle of Management given by Henri Fayol in an Enterprise.
- Application of Management Techniques given by F.W Taylor in a manufacturing unit.
- Business Environment and its dimensions focusing any one dimension with real life case studies.
- Stock exchange by investing a specified amount (50,000) of fake money in certain stocks. Record the price of stock on daily basis for at least 15 days (excluding holidays) to find out the value of their investment and accordingly rearrange their portfolio.

ACCOUNTANCY

a) Prepare a project on Analysis of Cash flow statement of any Public Ltd. Company for three years ending 31st March, 2016; 31st March 2017; 31st March 2018.

b) Prepare a project on Analysis of the performance of various segments of any public Ltd. Company for the quarter ending 31st March, 2018

ECONOMICS

Project work – Students are required to collect material / information on any topic from any one of the two suggested projects.

(A) Project (option one): What's going on around us

Suggestive List

1. Micros and small scale industries
2. Food supply channels in India
3. Contemporary employment situation in India
4. Disinvestment policy
5. Health expenditure
6. Goods & Services Tax Act

7. Inclusive growth strategy 8. Human Development Index 9. Self-help groups
10. Any other topic related to Indian Economics

Following points are to be kept in mind while preparing the project

Introduction, details of the topic, pros and cons of the economic event/happening, major criticism related to the topic, students' own view/perception/opinion and learning from the work, any other valid idea as per the perceived notion of the student who is actually working and presenting the project work.

(B) Project (option two) – analyze any concept from the syllabus

- Suggested List - 1. Price determination 2. Opportunity cost 3. Demand and its determinants
4. Production - returns to a factor 5. Monopoly 6. Monopolistic competition 7. Money multiplier
8. Govt. budget and its components 9. Exchange rate system 10. Balance of payments
11. Price determination 12. Production Possibility Curve 13. Supply and its determinants
14. Cost function and cost curves 15. Oligopoly 16. Credit Creation
17. Central Bank & its functions 18. Budgets deficit 19. Foreign exchange markets
20. Commercial banks 21. Deficits/disequilibrium.

Students are required to keep following essentials in mind while preparing the project.

1. Explanation of the concept 2. Meaning and definition 3. Application of the concept
4. Diagrammatic explanation 5. Numerical explanation related to the concepts etc., if any
6. Students' own views/perception/opinion and learning from topic.

NOTE: Marks will be given on the basis of following parameters

- a) Relevance of the topic b) Knowledge content/research work c) Presentation Technique

INFORMATICS PRACTICES

(1) Make 20 programs using Java Swings (NetBeans). (2) Create any HTML website. Containing 5 pages (Interlinked) (other than those done in the class) (3) Revise class - XI My SQL. (4) Explore the new opportunities available in the computer field and make a word file.

COMPUTER SCIENCE

(1) Make a project using "C++" software. (2) Prepare a PPT on any one of the topics :- (i) Society, Law and Ethics. (ii) Cyber Crime.

PHYSICAL EDUCATION

Draw a neat and labelled diagram of the Field/Court of any one game of your choice (given below). Write its history, rules and regulations, terminologies and important tournaments. a) Volleyball b) Football c) Handball d) Basketball

HOME SCIENCE

(1) Record one day diet for individual and evaluate it against principles of balanced diet. (2) Plan a meal for the family and do the modification for- (i) Fever Patient, (ii) Diarrhoea Patient, (iii) Jaundice, (iv) Hypertension, (v) Diabetes, (vi) Pregnancy, (vii) Lactation, (viii) Old Age, (ix) Infants.

HISTORY

Make a rough draft for the project on any one of the following topics. Your rough draft should comprise of relevant factual information, surveys and critical analysis. 1) The mystery behind mound of dead 2) An in depth study to understand spiritual archaeology in the sub- continent 3) Buddha's path to enlightenment 4) Insight and reflection of Bernier's motion of the Mughal Empire 5) An exploratory study to know the women who created history 6) 'Mahatma Gandhi' – A legendary soul 7) To reconstruct the history of Vijay Nagar through the archaeology of Hampi 8) The emerald city of colonial era- Bombay 9) Vision of unity behind the first war of Independence 10) Divine Apostle of Gur Nanak Dev 11) Help Humanity and sacrifices during partition 12) Glimpse inside Mughal imperial household 13) The process behind the framing of the Indian Constitution 14) The Brahm Nirupan of kabir – A journey to ultimate reality.

POLITICAL SCIENCE

Assignment: Contemporary South Asia (The answer to the following question should include current development and should be done in registers)

- Q1 What is South Asia? On the outline map of the world identify the South Asian countries?
- Q2. Give full forms of: SAPTA and SAFTA?
- Q3. Mention the member states that form the SAARC. Highlight the recent dev in SAARC org. E.g. the outcomes of recent SAARC summits.
- Q4 Write a short note on political dev in Pakistan especially. Its turbulent journey from dictatorship to democracy. Focus on reasons that lead to failure of democratic government to remain in power in Pakistan.
- Q5 Write a short note on issues of conflict and avenues of peace between India and Pakistan especially focusing on recent developments.
- Q6 Briefly examine the struggle for establishment of Bangladesh. Assess issues of conflict and cooperation between India and Bangladesh in view of recent dev like bus service, agreements on Tin Bigha corridor etc.
- Q7 What are some of the commonalities and differences between Bangladesh and Pakistan in their democratic experiences?
- Q8 List three challenges to democracy in Nepal. Analyze present day relations between India and Nepal.
- Q9. Name the principal players in the ethnic conflict in Sri Lanka. How do you assess the prospects of the resolution of this conflict?
- Q10. How are the external powers influencing bilateral relations in South Asia? Write and give examples to illustrate your point especially focusing on China's attempts to interfere in Nepal, Sri Lanka and Pakistan.
- Q11. Discuss the role and the limitations of SAARC as a forum for facilitating economic cooperation among the South Asian countries. What are the factors that have made our neighbors suspicious of India's role in the association?
- Q12. India's neighbors often think that the Indian government tries to dominate and interfere in the domestic affairs of the smaller countries of the region. Is this a correct impression? Give reasons.