

HOLIDAYS HOMEWORK (2018-19)

CLASS - XI

SUBJECT - ENGLISH

- Q1. Write a letter to the Editor of a local daily expressing your deep concern over the lack of moral values among people. Suggest some ways of inculcating them.
- Q2. Write a letter to the Editor of a National daily focussing on the excessive usage of pesticides and fertilizers in crop production leading to unhealthy food production.
- Q3. Your school has planned to put up a book stall during P.T.M for students of all classes. Write a notice for school notice board announcing the same giving necessary details. You are Arti/Archit of Mohan Public School.
- Q4. Your school has organised a blood donation camp on behalf of LIONS CLUB. Write a notice for the same giving necessary details like date, venue etc. You are Ahana/Hemant of Anya Public School, New Delhi.

Do the project work:

PPT (Shakespeare's life, plays, sonnets, tragedy)

Device used in Drama – SOLILOQUY

Topic: Shakespearean Soliloquy

SUBJECT - PHYSICS

1. Do NCERT questions of Ch-Units and Measurements.
2. Make a working model/innovative project related to Physics and prepare a short report on it depicting the construction and working of same.
3. Do the questions given in the assignment sheet in the assignment register.

SUBJECT - CHEMISTRY

1. NCERT question of Lesson – Some basic concepts of Chemistry.
2. NCERT question of lesson – Environmental Chemistry

Model on any ONE of the following topic. Model can be accompanied by a PPT.

1. Carbon Neutral Town/Village

You may include topics like

- A. Water management system;
- B. Solar irrigation system;
- C. Waste management;
- D. Green Cleaning (Safe chemical dispensing)
- E. Use of roof tops for smart homes
- F. Eco friendly home
- G. Carbon foot print calculator

2. Main Theme

Innovations for Sustainable development

Sub Theme

- A. Resource Management
- B. Waste Management and water bode conservation
- C. Transport and Communication
- D. Digital and Technological solutions

SUBJECT - BIOLOGY

1. Revision of the syllabus covered.
2. Power point presentation (on the allotted topics)

SUBJECT - MATHS

Do Questions of Chapters-Set theory,relations and functions from NCERT Exemplar.

3D/2D Model on any topic from Class XI and XII NCERT Book.

SUBJECT – COMPUTER SC.

Answer the following questions:

1. What is Compiler? How it is different from Interpreter?
2. How many megabytes make 1 terabyte?
3. What is Cache Memory?
4. Which device is used to send the data from a mobile phone to a computer?
5. Define Database Management System (DBMS). Name two database packages
6. Name any 2 antivirus software
7. Differentiate between PS-2 port and serial port.
8. Arrange the units of storage in descending order.
TB, GB, PB,MB
9. Define Software. Briefly define its types
10. Differentiate between RAM & ROM
11. Differentiate between all types of Language Processors
12. Explain the need of OS.
13. Name any two Utility Software.
14. Which is the fastest memory of computer?
15. Which technology is used for sending information through wireless devices ?
16. Name any two utilities.
17. Expand the terms: i) MICR ii) LCD
18. Mention the capacity of SD Card and Memory stick ProDuo.
19. Name one Super computer and developed by which company.
20. Explain any two computer threats.
21. Explain any two functions of O.S.
22. Explain any two ports used for communication.
23. What do you mean by booting?
24. Name the type of storage used for the following :
 - a. Storage of high definition video
 - b. You have to submit a project in the form of PowerPoint presentation to your teacher
25. Name a mobile OS developed by Google for smart phones with touch screen applications
26. Arrange the following units of memory in ascending order size :
 - a. Tera byte, peta byte, kilo byte, zetta byte
27. Name the device used for web chats
28. How many bytes are equivalent to 1 yotta byte?
29. Suggest a device used for the following :
 - a. This is a device used to recognize individuals based on physical or behavioral traits. It is used to mark attendance of employees/ students in organizations/ institutions. It is a popular security device to provide restricted entry for secured areas
 - b. This is small portable memory, which can be plugged with USB port. It has capacity less than hard disk but more than a CD.
 - c. It is used for primary storage in computer to hold active information of data and instructions
 - d. It is used to store instructions provided by the manufacturer which holds the instructions to check basic hardware interconnector and to load operating system from appropriate storage device.
30. Give two examples of each of the following :

- a. Social networking websites
 - b. Antivirus software
31. Define the following terms :
- a. Integrated development environment
 - b. Digital signature
32. Two friends, Aman and Suman students of class IX are fond of buying things online. Aman always uses his mother's credit card without her permission. Suman always takes permission from her mother before giving personal details and using credit card for online shopping. What do you think – who is right- Aman or Suman and why ? Are there any moral values reflected by the gesture of Suman (give two points)
33. What are the two advantages of e-learning for distance learners?
34. Identify the type of application from amongst e-Governance, e-Learning, e-Business ?
- a. To buy a beautiful dress online
 - b. To apply for passport and track its status online
35. A password should be strong enough so that nobody can crack it. Give two points that must be kept in mind while deciding a password.
36. Differentiate between EPIC, RISC, CISC
37. When you buy a printer form the market, you will get a CD with preloaded program with it. What is this program called and why it is required ?
38. Which one is not a cyber crime?
- a. Sending obscene / offensive messages through email
 - b. Theft of brand new sealed computer
 - c. Hacking
 - d. Creating and distributing spam mails
39. What is CAPTCHA?

MCQ :

1. To be considered a computer crime, what needs to be involved in the crime?
 - A) Technology
 - B) Computers
 - C) Data
 - D) Networks
2. What category of software is designed to cause detriment to your computer?
 - A) Bugs
 - B) Malware
 - C) Systems software
 - D) Network snakes
3. What type of virus describes the awful consequences of not acting immediately?
 - A) Android
 - B) Spoofing
 - C) Misleading e-mail
 - D) Phishing
4. Which computer virus records every movement you make on your computer?
 - A) Malware Android
 - B) Key logger
 - C) DoS
 - D) Trapper
5. What is it called when someone changes the FROM section of an email so that the message you receive appears to come from a person other than the one who sent it?
 - A) Spoofing
 - B) DoS

- C) Spam
 - D) Trapper
6. What program would you use to gain administrative rights to someone's computer?
- A) Bot
 - B) Executive Android
 - C) Rootkit
 - D) Trojan horse
7. What type of hacker was the 16 year-old individual who hacked into NASA networks and downloaded temperature and humidity control software worth \$1.7 billion?
- A) Thrill-seeker hacker
 - B) Black-hat hacker
 - C) Script kiddie
 - D) White-hat hacker
8. In analog computer
- a. Input is first converted to digital form
 - b. Input is never converted to digital form
 - c. Output is displayed in digital form
 - d. All of above
9. Human beings are referred to as Homosapinens, which device is called Sillico Sapiens?
- i) Monitor
 - ii) Hardware
 - iii) Robot
 - iv) Computer
10. An error in software or hardware is called a bug. What is the alternative computer jargon for it?
- 1) Leech
 - 2) Squid
 - 3) Slug
 - 4) Glitch

SUBJECT - PSYCHOLOGY

1. Read Ch - 4 - Human Development and fill up the outline given in class.
2. Prepare a project on any career, by using different methods of data collection like interview, rating scale and questionnaire.

OR

Prepare a short case profile, by using different methods of data collection like interview, rating scale and questionnaire.

SUBJECT - BUSINESS STUDIES

Students should visit a place from the following - Visit to Mall, Visit to Delhi Haat or any other shopping complex. They should observe the following:

- i) Number of floors, shops occupied and unoccupied.
- ii) Nature of shops, their ownership status.
- iii) Nature of goods dealt in - local brands, international brands
- iv) Service business shops - spas, gym, saloons, etc.
- v) Rented spaces, owned spaces
- vi) Different types of promotional schemes
- vii) Most visited shops
- viii) Special attention of the mall - food court, gaming zone, cinema, etc.
- ix) Innovative facilities
- x) Parking facilities
- xi) Additional facilities offered to customer.

Collect the above information and make a project by showing pictures/ information of the place.

OR

- i.) Visit to bank
- ii.) History of bank
- iii.) Various saving schemes offered to customers
- iv.) Various schemes offered by bank for loan to consumer
- v.) Role of ATM's
- vi.) Other functions of Bank
- vii.) Specimen copy of different documents used in Bank.

SUBJECT - ACCOUNTANCY

Revise Chapters covered in the class.

SUBJECT - ECONOMICS

Thoroughly read chapters 1-3 of STATISTICS and prepare Ch-8 –Measure of Central Tendency for class Test.

SUBJECT - INFORMATICS PRACTICES

Q 1) Complete the back Exercise of Chapters -1, 2 in your register.

Q2) **Do the questions given below in class register.**

1. Identify the following:
2. Data storage mainly used with digital cameras, computers and mobile phones, music players etc.
3. It is used to covert images of text into machine editable text.
4. It is port used for Ethernet connections and can be used between computer and networked device
5. Expand AND explain the following terms:
a) PDAs b) MICR c) DVD d) ASCII
6. Name the subunits that make up the CPU, and give the function of each of the units.
7. Identify and explain the role of primary memory which is permanent in nature.
8. Categorize the following as Input, output or secondary storage
LCD, Plotters, DVD, Tablet, USB drive, Smart cards
9. Give reason for the following
10. Why parallel ports are considered better than Serial ports?
11. Why is there a need for Secondary memory when primary memory already exists in system?
12. Arrange the following in decreasing order:
Byte, PB, KB, GB, MB, TB
13. Explain IPO cycle diagrammatically.
14. Principal of DAVPS wants to video chat with its staff members who are attending an outstation workshop. Name the suitable input device he/she should install on his/her computer.
15. Name the communication bus to connect main memory to Memory to Memory Address Register.
16. What is Compiler? How it is different from Interpreter? Give examples of each
17. How many megabytes make 1 terabyte?
18. What is Cache Memory?
19. Which device is used to send the data from a mobile phone to a computer?
20. Name any 2 antivirus software.

21. Differentiate between PS-2 port and serial port.
22. Define Software. Briefly define its types
23. Explain the need of OS.
24. Name any two utility software.
25. What is the use of Disk defragmentation utility?
26. Expand the terms: i) MICR ii) LCD
27. When you buy a printer from the market, you will get a CD with preloaded program with it. What is this program called and why it is required?

Q3. Prepare a presentation/movie based on either chapter 1 or 2. Add your sound at the back.

Q4. Make a poster / collage on thick ½ Cartridge size sheet on the topic given below according to your roll no.
(Write the information in Bold and Neat letters)

1. Social Networking –Boon or bane (1-5)
2. Cyber Bullying (5-10)
3. Role of ICT in education(10-15)
4. Top 10 Apps used for Education (15-20)
5. Cyber Security (20-25)
6. Tech Trends(25-30)
7. Top 10 educational sites for students(30 onwards)

SUBJECT – HOME SCIENCE

1. Complete and revise the question answers of chapters covered in the class.
2. Make the recipe file having 50 recipes.
3. Visit a child care/crèche/nursery school and write the report on the facilities available and activities conducted there.
4. Make an educational toy.

SUBJECT – POLITICAL SCIENCE

1. Revise Ch-1 to 5 of Political Theory
2. Prepare short Ques. /Ans. of above mentioned lessons in notes copy.
3. Paste newspaper clippings in Political sc. register

SUBJECT – HISTORY

1. Notes copies -Complete Question Answer from Theme 1, 2, 3
2. Paper Presentation from Theme – 5
3. Half yearly Project – Theme – 1

For Exhibition

Group 1 - To prepare a model on the Political Map of Delhi with important Buildings e.g. Parliament, Red Fort, India Gate, etc and their significance.

Group – 2- To prepare a model on the Political World map to show the 5 different sites of excavation that reveal the civilization period of the world history (such as)

1. Indus Valley civilization
2. Mesopotamian civilization
3. China – Hwan go – valley civilization
4. Africa – Egyptian civilization
5. American civilization (North & South America)

SUBJECT – INFORMATION TECHNOLOGY

PAPER-WEB APPLICATIONS-1 (CODE 803)

Do the Practical question in your File

1. To learn the applications of Macromedia Flash(Def, applications)
2. To familiarize with the interface of flash.
3. Working with basic tools (toolbox to be explained)
4. Working with layers [layer window to be explained]
5. Learning the use of pen/pencil tool(draw any caricature using these tools)
6. Understanding Tweening.
7. Motion tween (car/sunrise/YOYO prac)
8. Shape Tween (text changing into other/text into picture)
9. Motion Guide Tweening(birds in sky/ball or car moving on specific path)
10. Mix-motion+shape (pencil with line prac.)

Q2. Solve the Flash Assignment in your register. (Assignment is shared in Google classroom)

Q3. Try to create a scene in Flash using all tweenings you have learnt till now.

PAPER-IT TOOLS (CODE 802)

Make a Poster/Chart on the topic assigned to you:

1. Safe Internet Practices. [ROLL NO 1-10]
2. Cyber Bullying [ROLL NO 11-21]
3. Tips to Be cyber smart citizen [ROLL NO 21-30]
4. Top 10 Apps used for Education[ROLL NO 31-40]
5. Be Cyber Safe [ROLL NO 41-50]
6. Applications of multimedia [ROLL NO 50 onwards]

SUBJECT – ENGINEERING GRAPHICS

Revise all the work done in the class till now and complete all sheets.