



## First Terminal Project: May, 2017

### Class- IXSc.

#### **English Literature:-**

Henry Cuyler Bunner was a famous American novelist and poet. His poem 'The Heart of the Tree' is a graceful and sensitive presentation of advantages of planting trees and its importance for development of a nation.

#### **Learning Objectives**

- To develop the ability to recite a poem with correct pronunciation, phonetics and expression.
- To appreciate the beauty and language of poems
- To acquire improved level of confidence in presence of others

**Assignment** – Recite the poem 'The Heart of the Tree'

### **Marking Scheme**

<b>Expression</b>	<b>Pronunciation</b>	<b>Clarity</b>	<b>Confidence</b>	<b>Total</b>
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>20</b>

#### **English Language :-**

- 1. Aim : To enable students to share their ideas about books with other readers. Students will be able to understand and recognize different components of a book.**
- 2. Topic : Prepare a book report of 'New Golmohar.'**

**Procedure :** Students will go through the book i.e. New gulmohar (either of class 3<sup>rd</sup> or 4<sup>th</sup> )

- Consider headings like- 1) Topic, publication, edition, cover, pages, font size, paper quality, pictures, etc.
- Content ( subject matter, number of chapters, prose, poems, dramas, language picture- stories etc.) – is appropriate or not according to the class
- Positive things / points related to the book.
- Things that you don't like about the book
- Recommendations

## Marking scheme

Content	Relevance	Language	Over all Presentation	Total
5	5	5	5	20

### **Geography:-**

#### **Topic :- Interpretation of survey sheet**

The students will make a project on topographical survey. The following will be worked upon

1. Depiction of scales on survey sheet
  - (a) Statement
  - (b) Linear
  - (c) R.F.
2. Latitudinal and longitudinal extents of 45 D/7 and 45 D/10  
(Diagram to be made)
3. 4 Fig. and 6 fig. Grid References (of any five stations / points each)
4. Area calculation (Grid square method) of a specific region along with calculations.
5. Compass direction and compass bearing of any 3 stations each
6. Showing of elevations :
  - (a) contours
  - (a) Spot heights
  - (b) Triangulated stations
  - (c) Bench Marks
  - (d) Relative heights
7. Contour gross sections of:
  - (a) Conical hill (b) Plateau (c) Ridge

## Marking Scheme

Preparation and Organization	Research	Inference	Skill in Presentation	Total
4	6	4	6	20

**History:-****Topic : Agencies of UN and their Programmes****Aim : To Know about various programmes functioning under UN agencies .****Procedure :- Prepare a detailed project on the various programmes of UN agencies by following the given guidelines :**

1. Write about the formation of UN
2. Objectives of UN
3. Explain in detail the following programmes
  - (A) UNESCO programmes on education
    - (i) LIFE- The literacy Initiative for Empowerment
    - (ii) EDUCAIDS- The global initiative on education of HIV/AIDS
  - (B) WHO Programmes on health
    - (i) Pulse Polio Immunization
    - (ii) Dengue control programmes
    - (iii) UN Programme on environment protection
    - (iv) UNEP – United Nations Environment programme
4. Pictorial representation is compulsory
5. Learning Outcome- At the completion of the project Students will have enough information about the various programmes functioning under Agencies of UN

**Marking Scheme**

Content	Research	Relevance	Presentation	Total
5	5	5	5	20

**हिन्दी-परियोजनाकार्य:-****कार्य उद्देश्य**

- अपने विचारों को सही तरह से अभिव्यक्त करने की क्षमता को बढ़ाना ।
- कल्पना शक्ति की वृद्धि के लिए प्रोत्साहित करना ।
- अलग-अलग सूत्रों से जानकारी प्राप्त करके उसे सही ढंग से सम्मिलित करने के लिए प्रेरित करना ।

प्रकरण— महादेवी वर्मा

उपर्युक्त परियोजना के अन्तर्गत निम्नलिखित बिन्दुओं का समावेश किया जाएगा।

- कवयित्री का जीवन परिचय—जन्म, जन्म— स्थान, पारिवारिक पृष्ठभूमि
- प्रमुख रचनाएँ
- काव्यगत—विशेषताएँ
- भाषा— शैली
- उनके द्वारा रचित कोई कविता जो पाठ्य— पुस्तक में न हो।
- आवश्यकतानुसार चित्र (कवयित्री, कविता संबंधी)  
कार्य—परिणाम –

कार्य पूर्ति के बाद विद्यार्थी

- (i) दिए गए कथन पर अपने शब्दों में अपने विचारों को स्पष्ट रूप से लिख सकेंगे।
- (ii) भाषा को सही रूप से व्यक्त कर सकेंगे।

प्रस्तुतिकरण	विषय –वस्तु	भाषा	योग्यता	योग
5	5	5	5	20

### **Mathematics :-**

#### **Topic : Number system**

**Objective : To Make a power point presentation on development of irrational numbers from their origin**

**Note : You may write an article instead of making a PPT**

#### **Skill Required :**

- Knowledge of natural numbers, whole numbers, integers rational numbers and Irrational numbers .
- Ability to search the net/other reference sources for relevant information
- Ability to make a PPT/ write an article .

#### **Material Required**

- Sheet of paper, pencil, colour pencil, sketch pens etc.
- Access to computer, printer, scanner etc.

- Reference material

Method :

- Make an out line. (use the guide lines given below)
- Check if all the information is correct.
- Put all information in correct order,
- Now make PPT/Write the article

Guide lines :

- Contribution of Pythagoras  
(He is regarded as the man who discovered irrational numbers )
- Contribution of Indian Mathematicians
- Contribution of Theodorus of Cyrene
- Status of numbers  $\pi$  (As perceived by various cultures)
- Lambert and Legendre (Proved  $\pi$  is irrational)
- Dedekind and cantor (Dedekind-cantor axiom )

**Conclusion :** by this project students will understand the need of rational numbers and trace its development.

### Learning Outcomes :

By this project student will learn about the irrational number from their origin.

### Marking Scheme

Preparation	Presentation	Skill	Result	Total
5	5	5	5	20

### Physics :-

Student have to perform the following experiments in the physics laboratory and present these readings in a systematic form :

#### Experiment No. 1

To find the internal diameter , external diameter depath of given colorimeter using vernier callipers.

**Experiment No. 2**

To find the diameter of given wire by using screw- gauge

**Marking Scheme**

<b>Preparation</b>	<b>Procedure</b>	<b>Observation</b>	<b>Inference</b>	<b>Presentation</b>	<b>Total</b>
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>

**Chemistry :-**

To complete the lab manual.

**Experiment No. 1**

To identify the given substance by dry test. Observe the colour of salt.

**Experiment No. 2**

To identify the given substance by dry heat i.e. smell

**Experiment No. 3**

To identify the unknown gas ( $H_2$ )

**Marking Scheme**

<b>Preparation</b>	<b>Procedure</b>	<b>Observation</b>	<b>Inference</b>	<b>Presentation</b>	<b>Total</b>
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>

**BIOLOGY :-**

Students need to note down the following experiments in their practical files.

- 1. MITOSIS- Study of permanent slides**
- 2. DIFFUSION- To show the phenomenon of diffusion in the laboratory**
- 3. OSMOSIS- To demonstrate the Phenomenon of osmosis in the laboratory using potato osmoscope**
- 4. ABSORPTION BY ROOTS- To demonstrate absorption of water by the plants**

5. **TRANSPIRATION-** To measure the rate of transpiration by using Ganong's potometer  
To compare the rates of transpiration from the upper and lower surfaces of a leaf using cobalt chloride method.
6. **PHOTOSYNTHESIS-** To prove that oxygen evolution take place during photosynthesis
7. **To demonstrate that carbon dioxide is necessary for photosynthesis**  
-To demonstrate the effect of different intensities of light on photosynthesis  
To demonstrate that chlorophyll is essential for photosynthesis.

### **Eco Application:-**

Prepare a project report on "Main sectors of Indian economy" including the following points:

1. Classification of Indian economy on the basis of occupation.
2. Agriculture: Meaning and Role
3. Industry : Meaning and Role
4. Service : Meaning and Role
5. Other sectors of Indian economy :  
Public and Private                      Rural and urban
6. Impact of agricultural and industrial practices on the ecosystem.
7. Interdependence among various sectors.

### **Learning objectives**

- To know more about Indian economy.
- To form a better understanding of sectorial contribution in an economy.
- To know about the interdependence among various sectors.
- To know about the public and private sectors

### **Methodology**

- The project is to be discussed thoroughly in class
- Encourage students to discuss their queries
- Explain the purpose of doing the given assignment
- Students to submit a list of references used.

### Learning outcomes

On completion of the assignment students will be able to:

- Know about the difference between public and private sector and urban and rural sector.
- Know about the contribution of different sectors of economy.
- Know about the impact of agricultural and industrial practices on the ecosystem

### Marking Scheme

Preparation	Inference	Research	Presentation	Total
5	5	5	5	20

### Home Science :-

#### Topic : FAMILY : A UNIT OF SOCIETY

**Objective :** To make the students learn and understand the concept of family.

- To make the students learn and understand the characteristics , types and functions of family
- To make the students learn and understand the position of child in a family.

**Methodology :** Student will be required to prepare a brief paper presentation or

- Types of family, characteristics of family, position of child in a family and socialization.
- The students have to prepare a brief note on Community and role of family in the development of the child.

### Learning outcome

After completion of the project the students should have clear knowledge about the types of family, functions of family and characteristics of a family, and also a deep knowledge and understanding of role of a family and society in development of a child.



**Support required:**

- Access to library
- Text book
- Internet

**Marking Scheme**

Material	Content	Presentation	Innovation	Total
1	2 1/2	2 1/2	1	7

**Computer Application :-**

Topic : Java Language

Prepare a **PowerPoint presentation** on the difference between the ordinary compilation and java compilation. The ppt should also include the 15 (fifteen) statements of Java you are familiar with along with the syntax and purpose of those statements.

Note: bring your ppt in pen drive.

**Physical Education :-**

DEFINE FOLLOWING BY GRAPH& PICTURE

**CRICKET ASSINGMENT**

1. cricket history (50 word)
2. Rules Related to twenty-20 match
3. latest general rules of cricket
  - a. players (b) substitutes (c) boundaries (d) follow on
  - (e) over (f) batsman getting out
4. Terminologies related to cricket
  - (1) Dolly catch (2) Maiden over (3) Hit wicket
  - (4) Maiden over (5) Gully (6) Setter
  - (7) Duck (8) Golden a duck (9) Dead ball
  - (10) Bouncer (11) Free hit (12) Stricker and non stricker
  - (13) Hat-trick (14) Seam (15) No ball& its types
5. Measurement of playfield and specification of sports equipments
6. Fundamental skills of cricket

### A. Batting skill

1. Grip (2) Stance (3) Forward defence stroke
- (4) Backward defence stroke (5) Cover drive
- (6) On drive (7) Straight drive (8) Pull
- (9) Hook (10) . Sweep shot

### B. Bowling skill

1. Fast bowling- in swing, out swing, off cutter, leg cutter
2. Spin bowling- off break, leg break, top spin, googly

### C. Fielding skill

1. Stopping and throwing
2. Catching- high catches, low catches

## SOLVE ALL QUESTIONS

### 1. Specific Exercises of Warm-up and Conditioning

In cricket game.

2. Explain State the duties of an umpire and referee before start & during a cricket match.
3. Draw a neat cricket ground and indicate all correct point of fielding.

## Support required

**Text book, Access to library, Internet**

## VOLLEY BALL

### DEFINE FOLLOWING BY GRAPH& PICTURE

1. History of volleyball (50 word)
2. Basic general rules of volleyball
  - (e) Playing area (b) Team (c) Scoring
  - (d) Rotation (e) Substitution & its rules
  - (f) Time out (g) The ball (h) Libero
3. Measurement of playfield and specification of sports equipments with net & antenna
4. Fundamental skill of volleyball
  - (a) Passing
    - (1) Underhand pass (2) Overhand pass
  - (b) Spiking and smashing
    - (1) Single spike (2)Complex spike
  - (c) Blocking
    - (1) One men block (2)Two men block (3)Three men block
  - (d) Service

- (2) Underhand service (2) Tennis service (3) Spin service
- (4) Floated service (5) Round arm service
- (6) Jump service

**SOLVE ALL QUESTIONS**

Q1. What are duties of referee, assistance referee and line mans?

Q2. List & explain any ten faults which a player is likely commit during a game of volleyball.

**Support required**

**Text book, Access to library, Internet**

**Marks will be allotted for discipline also**



# CHILDREN'S ACADEMY

Affiliated to the CISCE, New Delhi  
Nirman Nagar, Jaipur

## First Terminal Project: May, 2017-18

### Class- X Sc.

#### ENGLISH LANGUAGE :-

##### (A) Speaking Skills- Picture Description-

MM -10

Objective :

- To inculcate fluency of speech
- Good pronunciation & diction
- Instill confidence in the speaker.

Methodology- Every student will be given a picture to prepare his/her presentation

- A two minute presentation, based on the description of the picture will be given by each candidate.
- The description should be relevant, concrete and up to the level of the class.

Learning outcome:

The project will help the students to tap their creativity, improve their diction and add on their confidence for stage presentation.

Marking Scheme-Marks will be allotted on the basis of

<b>CONTENT</b>	<b>GRAMMAR &amp; VOCABULARY</b>	<b>CLARITY &amp; SPEECH</b>	<b>CONFIDENCE &amp; PRESENTATION</b>	<b>TOTAL</b>
<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>10</b>

##### B Listening Skills :-

MM -10

Objectives- To inculcate focus & concentration among the students

- To imbibe correct information

Methodology : A passage will be read aloud by the teacher twice the first time at a normal speed & second time at a slightly slower speech

- Students may note down some information on the sheets for reference later on
- At the end of the second reading students will be asked to answer a question paper.

Learning outcome- It is test of one's concentration , memory & power to recall information.

Marking scheme- Marks will be based on number of correct answer given by the candidate.

### **English Literature :-**

#### **1. Topic : Summary**

#### **2. Learning Objective :**

- A. To develop the ability to express ideas in clear and grammatically correct English.**
- B. To develop the ability to summarize, & evaluate the text**
- C. To develop the habit of reading literature other than text book material.**

#### **3. Methodology :**

**a. Vikarm seth is among the most celebrated Indian novelists & poets. You have read his Poem- A Doctor's journal Entry for August 6, 1945, Now read any other poem written by him & do as directed :**

- i. Write Biography of Vikram seth. Touch upon the following points Background work, career, awards, bibliography.**
- ii. Write any one poem written by Vikram Seth . Write its theme, summary, style & critical remarks**
- iii. Paste relevant picture pictures.**

### **Marking Scheme**

<b>Choice of poem/ justification</b>	<b>Content</b>	<b>Research</b>	<b>Creativity</b>	<b>Presentation</b>	<b>Total</b>
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<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>
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## **Geography**

**Topic : Chemical farming- A menace**

**Phase : 1**

Student will make a project highlighting the ill effects of chemical farming on the following lines.

1. Meaning of chemical farming
2. Reasons for it being extensively practiced
3. Regions in India where it is prevalent
4. Why is chemical farming harmful ?
5. An account of the following is to be given with examples :
  - a. Herbicides
  - b. Insecticides
  - c. Fungicides
  - d. Soil fumigants
  - e. Plant growth regulators
6. An account of their harmful impact on health is to be given
7. Reason for chemical farming not being sustainable
8. Chemical farming V/S Organic farming

**Note : Relevant data along with pictures and illustration has to be incorporated**

- **A Viva Voce will be conducted**

### **Marking Scheme**

<b>Preparation &amp; Organisation</b>	<b>Research</b>	<b>Inference</b>	<b>presentation</b>	<b>Total</b>
<b>4</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>20</b>

## **History**

**Topic :- Nobel Laureate- Malala Yousafzai and Kailash Satyarthi**

**Aim :- To know in detail about the famous Nobel laureate**

**Procedure : Students will make a detailed project by following the guidelines given :-**

1. Prepare an index page containing the names of all sub-topics covered.
2. Use Following points to complete your project
  - (i) Introduction of laureates
  - (ii) Their childhood
  - (iii) Early life
  - (iv) Special mention of Bachpan Bachao Andolan of Kailash Satyarthi and Malala shot by bullets
  - (v) Their achievements
3. Acknowledgement
4. Pictorial presentation is compulsory
5. Learning outcome- on completion of the project students will have-vast information about the great laureates

### Marking scheme

Content	Organization	Relevance	Presentation	Total
5	5	5	5	20

हिन्दी:—

परियोजना—कार्य

पुस्तक— 'गोदान'

विषय—सूची

पृष्ठ—संख्या

- |   |     |
|---|-----|
| 1. प्रस्तावना                             |     |
| 2. लेखन परिचय                             | 1—2 |
| 3. पुस्तक—सारांश                          | 3—4 |
| 4. मेरा पसंदीदा अध्याय                    | 2—3 |
| 5. गाँव या शहर जो मुझे अपनी ओर खींचता है  | 2—3 |
| 6. आजादी की मेरी परिभाषा                  | 1   |
| 7. (पुस्तक समीक्षा) मेरी नजर में यह किताब | 2   |
| 8. यथा— स्थान चित्र                       |     |

कुल पृष्ठ— 11—12

कार्य उद्देश्य—

- अपने विचारों को सही तरह से अभिव्यक्त करने की क्षमता को बढ़ाना।
- कल्पना शक्ति की वृद्धि के लिए प्रोत्साहित करना।
- अलग-अलग सूत्रों से जानकारी प्राप्त करके उसे सही ढंग से सम्मिलित करने के लिए प्रेरित करना।

कार्य परिणाम

- कार्य पूर्ति के बाद विद्यार्थी
  - (i) दिए गए कथन पर अपने शब्दों में विचारों का स्पष्ट रूप से लिख सकेंगे।
  - (ii) भाषा को सही रूप से व्यक्त कर सकेंगे।

अंकनिर्धारण

प्रस्तुतिकरण	विषय वस्तु	पाठ की व्याख्या	उदाहरण	मौलिक नवोद्भावना मूल्यांकन	योग
4	4	4	4	4	20

**Mathematics :**

**Study the newspaper and keep track of the share prices of any two companies. one from the IT sector and the other from FMCG( fast moving consumer goods) sector over a period of 10 days. You are also required to gather information on:**

- The board of directors
- Authorized capital
- Types of shares (preference equity etc.)
- Price of one share

**Show the fluctuation in share prices during the period and make a comparison between the share prices of the two companies.**

**Learning objective.**

- 1. To develop the habit of reading newspaper regularly**
- 2. To make them understand functioning of shares and stock market**
- 3. To encourage students to learn practical Application of Elementary maths.**

**Learning outcomes :**

- 1. After completing the project students would be able to understand basic terminology of shares stock market**



2. They will inculcate virtue of togetherness and co-operation

### Project 02

Draw a map of your locality keeping in mind the motion of directions

Learning objectives :

1. To develop skill of drawing map to scale.
2. To make them aware of topography of their locality.

Learning outcomes :

1. After completing the project students will learn engineering/ Technical drawing which is basic knowledge of engineering and Architecture and also to be studied compulsorily .

### Marking Scheme

Preparation	Presentation	Concepts	Composition	Understanding	Total
4	4	4	4	4	20

### Chemistry :-

To complete the lab manual

Experiment:- No. 1

To distinguish between copper oxide & manganese oxide.

Experiment:- No. 2

To Identify the basic radical from the given salt.

### Marking Scheme

Preparation	Procedure	Observation	Inference	Presentation	Total
4	4	4	4	4	20

### Physics :-

Student have to perform the following experiments in the physics laboratory and present these readings in a systematic form :

Experiment:- No. 1

To verify ohm's law and hence find the resistance of given wire by using ohm's law.

Experiment:- No. 2

To verify the principle of calorimetry using calorimeter

### Marking Scheme

<b>Preparation</b>	<b>Procedure</b>	<b>Observation</b>	<b>Inference</b>	<b>Presentation</b>	<b>Total</b>
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>

### **BIOLOGY:**

In Biology lab Manual draw the given diagrams and write their characteristic features

1. URINARY SYSTEM
2. HUMAN KIDNEY
3. MAMMALIAN HEART
4. HUMAN EYE
5. HUMAN EAR
6. HUMAN BRAIN
7. Identification of blood cells
8. Mammalian endocrine system
9. First AID BOX

### **Economics Application**

**Topic: Prepare a project report on “Functioning of a Commercial Bank”.**

**Find out the following:**

- i. Meaning of a commercial bank.
- ii. Difference between a Commercial bank and a Central Bank
- iii. Functions of a commercial bank along with the different types of deposits and advances.
- iv. Importance of commercial bank

### **Learning objectives**

- a. To create an awareness about the various functions performed by a commercial bank
- b. To enable students to assess the working of a commercial bank.
- c. To develop skills in collecting various bank documents such as pay slips, withdrawal form, cheque book, pass book, account opening form etc.
- d. To get practical knowledge of bank formalities.

### **Methodology**

1. Discuss the project in class.

2. The students will be taken to visit a commercial bank to understand the real functioning of a bank.
3. Explain the purpose of doing the assignment.
4. Encourage discussion in the class.
5. Enquire on the progress of the assignment

### **Learning outcomes**

On completion of the assignment, the students should be able to

- Opening and operating a bank account
- Understand the various functions performed by a bank.
- Have a practical knowledge about various bank documents.

**Note : A field trip will be organized to provide a live experience**

### **Marking Scheme**

<b>Preparation</b>	<b>Presentation</b>	<b>Information</b>	<b>Observation</b>	<b>Inference</b>	<b>Total</b>
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>

**Home Science :-**

### **Topic – Food Adulteration**

**Objective : To make the students understand the positive and negative effects of food adulteration.**

- To develop an understanding about food adulteration.
- To make the students aware of the different food items and standards.
- To make the student aware of the different certification marks given by the government of India.
- **Methodology : students will be required to prepare a brief paper presentation on the following.**
- **Types of adulterants**
  - (i) Intentional
  - (ii) Incidental
- **Health hazard of common food adulterants**
- **Certification works issued by the govt. of India like Eco mark, ISI Wool mark etc.**
- **Different food laws and standards in India.**

**Learning Objective – After Completion of project the students should have a complete understanding about the measures taken by the government to prevent food adulteration and also the types of food adulterants and their effect on humans.**

- **Different steps, laws and certifications issued by the government of India.**

**Support Required :-**

- **Access to library**
- **Text book**
- **News papers**
- **Internet**

### Marking Scheme

Material	Content	Presentation	Innovation	Total
<b>1</b>	<b>2 ½</b>	<b>2 ½</b>	<b>1</b>	<b>7</b>

**Subject : Computer Application**

Topic : Telephone Bill Generation

Develop a small user friendly program using BlueJ to generate the telephone bills of a subscriber. The input to the program should be Telephone No, Bill Date, Bill for the month, Subscriber name, Address, total call made.

**Criteria for the calculation of bill amount.**

Monthly rent	:	Rs. 250
First 100 calls	:	Free
calls more then 100 but less then 200	:	Rs. 1.20 per call
calls more then 200 but less then 300	:	Rs. 2.00 per call
calls more then 300	:	Rs. 2.50 per call

**Output format**

Bharat Sanchar Nigam Limited

Bill Date	: 02/04/2017	Bill for the month : March
Subscriber	: Lokesh Choudhary	Telephone No: 2457893
Address	: D-4/287 Vaishali Nagar, Jaipur	

Total Calls	:	360
Fixed monthly rent	:	Rs. 250.00
Charges for First 100 calls	:	Rs. 0.00
Charges for calls more then 100 but less then 200	:	Rs. 120.00
Charges for calls more then 200 But less then 300	:	Rs. 200.00
Charges for calls more then 300	:	Rs. 150.00

Total Bill Amount	:	Rs. 720.00
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## Physical Education

Students need to make a file

### VOLLEY BALL

#### DEFINE FOLLOWING BY GRAPH& PICTURE

1. History of volleyball (50 word)
2. Basic general rules of volleyball
  - (a) Playing area    (b) Team    (c) Scoring    (d) Rotation
  - (e) Substitution & its rules    (f) Time out
  - (g) The ball    (h) Libero
3. Measurement of playfield and specification of sports equipments with net & antenna
4. Fundamental skill of volleyball
  - (e) Service
    - (1) Underhand service    (2) Tennis service    (3) Spin service
    - (4) Floated service    (5) Round arm service
    - (6) Jump service
  - (f) Passing
    - (1) Underhand pass    (2) Overhand pass
  - (g) Spiking and smashing
    - (1) Single spike    (2) Complex spike
  - (h) Blocking
    - (1) One men block    (2) Two men block
    - (3) Three men block

#### SOLVE ALL QUESTIONS

- Q1. Define posture. What is the correct posture while standing?
- Q2. What are duties of referee, assistance referee and line mans?
- Q3. List & explain any ten faults which a player is likely to commit during a game of volleyball.

Q4. Define the term Drugs. State any three advantages of Health Education.

Q5. Briefly explain the importance of sleep in our daily routine.

## CRICKET ASSIGNMENT

1. cricket history (50 words)
2. latest general rules of cricket
  - a. players (b) substitutes (c) boundaries (d) follow on (e) over
  - (f) batsman getting out
3. Rules Related to twenty-20 match
4. Measurement of playfield and specification of sports equipments
5. Fundamental skills of cricket
  - A. Batting skill
    1. Grip (2) Stance (3) Forward defence stroke (4) Backward defence stroke (5) Cover drive (6) On drive (7) Straight drive (8) Pull (9) Hook (10) Sweep shot
  - B. Bowling skill
    1. Fast bowling- in swing, out swing, off cutter, leg cutter
    2. Spin bowling- off break, leg break, top spin, googly
  - D. Fielding skill
    1. Stopping and throwing (2) Catching- high catches, low catches
6. Terminologies related to cricket
  - (1) Dolly catch (2) Maiden over (3) Hit wicket (4) Maiden over (5) Gully (6) Setter (7) Duck (8) Golden a duck (9) Dead ball (10) Bouncer (11) Free hit (12) Stricker and non stricker (13) Hat-trick (14) Seam (15) No ball & its types

**SOLVE ALL QUESTIONS**

1. Explain the duties of an umpire and referee before start & during a cricket match.
2. Explain the following terms in Cricket:
  - i. Hitting the ball twice
  - ii. A Runner
  - iii. The toss
  - iv. The Danger Area
3. Draw a neat cricket ground and indicate all correct point of fielding.
4. Specific Exercises of Warm-up and Conditioning in cricket game.

**Support required**

**Text book, Access to library, Internet**

**Marks will be allotted for discipline also 10**