Tibetan Homes School, Mussoorie Class XII- Winter Assignment (New Batch) Year 2026

1. ENGLISH

Book: Flamingo & Vistas Academic Session: 2025–26 **Chapters**: 1. The Enemy (Vistas)

2. Poets and Pancakes (Flamingo)

3. The Interview (Flamingo)

Instructions:

1.Read all the chapters carefully.

2. Maintain proper presentation and spray diagram of the above mentioned chapters.

3. Complete the assignment during the winter vacation and submit it on the reopening day.

2. TIBETAN

ट्रे'प्र'ट्ट'लब्'च्रे'घ्यक'ठ्र'ट्र्क्क्'प्र'प्र'लक्'झ्ट'क्ट्'क्रे'स्क्र'प्र'क्रें'क्रे'द्र्यीव

१ पतुव रेते वट वेव में रे रे रेष पर पु ही द्वेष

पि.ड्री ट्या.क्याया यू.पह्य.टी.क्य.यूया.क्या

स्वाबायह्वा,ट्याय,वाबट,वाबज,यपु,शु,जूट,वाचबा,यु,वाच्या,ट्यूट,जूट। पट्टेब,तपट,चेब,ये,बाटा ।,, खेबातपु,यप्,ट्रिंट्या,क्विवाबा,ष्ट्र्य,पूर्या,वाबजा,चेट,जू। खेबाता,यबा यहूट,यट्रे. स्वाबायह्वा,ट्याप,वाबट,वाबज,यपु,शु,जूटा। ,,श्वीप्राय,प्रिंचा,क्याप्त्राय,वाबजा,चेट,जू। खेबाता,यबा यहूट,यट्रे.

८८। । दे.लु.मुंद्रायाम्बेशर्राची । ८५४.तू.चेर्यालुश.मुंद्रातीलुश.स्.मुंग्याचेश्वर्यात्र्यामुंबर्या । दे.युवेर य। १.हिर.रेश.वश्यारेश.रेश.वश्यार्थ। ११८.जय.रेट.ज्ञुज.ट्या.ग्री.थी। ह्यूर.य.ग्रीय.ज.विय.त.लुया। यर्ग.वालय. र्ने नम्रेन्स्यान्। वियापाश्चेत्र्यान्। विश्वापाश्चेत्र्यान्। विश्वापानश्चाश्चेत्रान्। वश्चित्रान्। वश्चित्रान्। वश्चित्रान्। पन्नमान्त्रीनि नेत्रमाण्यात्रात्रात्रमा । दे वयात्रमान्यस्य । वत्यायावयात्रमा य। वर्षः चषुः र्स्वः मुग्नः नर्ष्यायम् । वर्षम्यः ग्रामः र्ष्ट्वः तह्याः वः ध्वाः स्वयाञ्चिनः ययः द्यान्यः वर्षे । र्ट्यार्याचित्रात्वतात्वत्त्वत्यात्रात्रार्घ्वत्। । देःक्षराद्यावयार्याः धेवत्रात्तात्वा । वश्चित्रवार्यात्वात पश्चितः चित्रेः स्ट्रान्यः प्राप्तः प्रापतः प्राप्तः प्रापतः रट्.चाङ्र्र-तरःमुरी विक्र्न-तरःपश्चर-रटान्या-वःस्। । र्याःचरःमुर-रटा-र्याःचरःपश्चरा । वेषःस्वाबःरह्यः र्त्ताचन्याः र्वत्र-त्ना । यक्न-विदेश्विमान्माक्नायम् । न्यो विदेशः श्रूष्यः सान्यो प्रमा । विद्यास्यायान्याय त्र्। । पक्षन्तराष्ट्रीन्द्रन्तरावक्षन्तरावकुर। । वेषार्श्रगषान्द्रवार्त्यन्गन्द्रवान्द्रवान्द्रवान्द्रवान्द्रवान्द्रवान्द्रवान् चर.ब्रेटी । श्रुय.स्र्याय.चट्य.ट्र्य.त्तज.त.ट्टा । पष्टिज.स्.ब्र्य.स्र्याय.ट.क्षे.ट्टा । पष्टिज.चर.पर्वीर.स्र्याय.श. र्टा। यम् तर्मात्रायप्तर्थः स्थात्रायप्तरः स्थात्रायः विद्याः बुट अर्गे क्य. ८ क्ष. तर् । त्रमादस्य अट राटेमाराक्य। वावय पट प्रमादस्य क्या प्रमा चेट राये हे ८.से.८८.। । वे.लेज.श.पूर्यातर.यर्झेयायेया। पर्याजाययायसीजालटायहेवा.तूरी । ८.से.याजायोधेयाया. थ्रेटी |य.पूर्यायसीय.लूर्यातार प्रदेश श्रुरी | श्रीय.कूर्यायसीय.थूर्यातार प्रदेश लूरी | श्रीयथाययोर प्रदेश रीटा भ्रिलाक्र्यात्म । यामुटाञ्चरावदे तस्यापदार्येत । हेयादह्याधाये वर्षेत्राधी । यादावायावी स्रयादी । टा यात्याश्रुवार्थाः भीवार्थाः विद्या। वारायाश्रुवायावेदाः हो। व्यत्याविद्यायायात्राचाराविद्यायात्राचार्यायात्र्या लूर् हे । र्राच्याक्ष्याक्ष्याक्षा । स्यावायाः व्याप्याः व्याप्याः व्या । भ्रीयास्यः र्यार्यः स्वापाया । व्या पहेंचा. रुषे. ये. प्रमुटा। वा. पा. प्राया प्रमुचा ये. पा. प्राया प्रमुचा प्रमुचा प्रमुचा प्रमुचा प्रमुचा प्रमुच योश्याग्रीया । ट्या.वव.त्र.याश्याप्रियाट्.ट्रेडी । ट्रे.ट्यवेव.वव.त्र.ब्र्.लालटा । वट.योश्याट्या.वव.याद्येयाट्डे.ह्री । ट.अ.लट.प्टिंग.क्ष्य.ब्र्.र्ट्रा । ट.अ.लट.प्टेंग.ब्र्टे.त.र्ट्रा । प.अघप.क्ष्य.क्ष्या.च्रेय.व्रें। वर.अ.अ.ब्र्ट. बे.र.जा । लट.पहेबे.लूट.टेब.श्रट.ग्रेट.वे. श्रेट.वेबु.ब्र.लुबे.ब्र.लूचे.यहर.लूट.टेटा । श्रुट.वोबु.ब.बुट.हुब.ब्र. थ्री । लट.प्रह्मि.ट्ट.च्र्य.खिवाय.त.यी । ट्या.ट्ट.स्ट्रट.तय.ट्या.तर.एक्चेर्राश्चट.वाखे.ब्र्.लुवा.ह्य.थी.ब्री । लट. यहवा अट पर लिवायाता विवाद र सिर प्रयालवा पर प्रश्ना दे विवेश प्रश्ना या वेट प्रवि विवाद ब्र्.लुवा.ह्य.श्.यु। लट्.पहेबा.ट्ट.परुबं.खिवाबाताया। टिवा.खेय.वाधुयायादा.क.र्स्य.ह्ये.। व्यक्य.वाधुयायायुटा. यथाविष्य्य अर्था अर्था विषय शुरावर्षिय । यात्रेषायार्ष्य विषय स्ति । विषय स्ति । विषय । विषय । विषय । . योट.ज.खेर्याय.त.ली । कुट.ट्रेय.यट्या.वीखर्य.ब्र्याय.योट.झूँबी।तज.कुर.कुट्टेपु.झूर्य.पहेंबा.वी । येय.तर.झैर.यय. ह्रेयाबाराम् छ। । छे.बाहे क्षेमात्रग्रमायां दी। हेबातह्या दें धेबादें धेवा वी। बेटाबवत यावव द्राम्बारी पविवादी। क्रांधाःक्रांधियाञ्चराञ्चरान्ता । वार्वरावीयावीयावीरान्तरम् । दे स्वयंत्रम् वाषायर्ख्ययाद्वेव र्ख्याने॥पर्हेत यदे.पर्चेब.तप्तर.चेब.मे.बर.।।

3. HISTORY

Chapters Covered: Chapter 5 – Through the Eyes of Travellers

- 1. Reading Task
 - Read the chapter thoroughly from the NCERT textbook.
 - Pay special attention to:
 - The background of each traveller
 - Their purpose of visit
 - What they observed about Indian society, religion, economy and culture

2. Assignment Work

- Q1. Answer the following questions (in 120–150 words each):
 - 1. Who was Al-Biruni? What challenges did he face while understanding Indian society?
 - 2. Describe Ibn Battuta's observations about Indian cities and social life.
 - 3. How did François Bernier compare Indian society with European society?
 - 4. Why are the accounts of foreign travellers considered important historical sources?
- Q2. Source-Based Question (Compulsory):

Read the following statement and answer the questions:

- "Al-Biruni tried to explain Indian social practices in a comparative framework."
 - a) What does this statement suggest about Al-Biruni's approach?
 - b) Mention two examples where he compared Indian society with other societies.

3. Note-Making (For Revision)

Prepare neat and well-organised notes on the following topics:

- · Al-Biruni: Background, writings and observations
- Ibn Battuta: Travel account and social descriptions
- François Bernier: Views on economy and society
- Importance and limitations of traveller accounts

Use headings, subheadings and bullet points.

4. POLITICAL SCIENCE (028)

- A) Make a 20-page (including back and front) project on any one of the following political leaders:
 - B) Jawaharlal Nehru
 - C) Sardar Vallabhbhai Patel
 - D) Lal Bahadur Shastri
 - E) Rajiv Gandhi
 - F) Indira Gandhi

B) Movie review on Political Themes (10 marks)

Objective: To understand key political concepts and events by analyzing a movie's themes, historical accuracy and relevance to the CBSE syllabus.

-Watch the movies listed below (available on YouTube and OTT platforms) and prepare a reflective note on any two movies:

Gandhi, 1982 a.

d. Jogi

b. Parmanu

e. Partition of India

Emergency 1975 c.

Guidelines for Movie review/reflective note:

- a. Introduction: Mention the movie's name, release year, director and lead actor's name, followed by brief summary of the movie.
- b. Key themes: Identify and explain the major political themes depicted in the movie.
- c. Highlight any key scenes that helped you understand the topic better.
- d. Discuss the role of key characters and their significance in the political Context.
- e. Conclude by reflecting on how the movie deepened your understanding of the topic and provide your overall opinion and a rating out of 5 stars.

5. CHEMISTRY (028)

Chemistry practical project: -

Prepare a project work on the topics allotted for your Roll no.

(Based on class 11C and 11D Roll no)

- Study of the presence of oxalate ions in Guava fruit at different stages of ripening. (Roll no. 1,9)
- Study of quantity of casein present in different samples of milk. (Roll no. 2,10)
- Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc. (Roll no. 3,11)
- Study of the effect of potassium bisulphate as food preservative under various conditions (temperature, concentration, time etc) (Roll no. 4, 12)
- Study of digestion of starch by salivary amylase and effect of pH and temperature on it. (Roll no. 5,13)
- Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc. (Roll no. 6,14)
- Extraction of essential oils present in aniseed, carum, illaichi. (Roll no. 7,15)
- Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chilli powder and pepper. (Roll no. 8)

6. ECONOMICS

PART ONE

Indian economic development

Book consist of three different unit

Unit 1: development strategy adopted by Indian government from 1947 to 1990 and new economic policy based on NEP

You are advised to study the development strategy and make project on it

Unit 2: focused on current challenges facing and it consist of four different chapter

- a. Rural development
- b. Human capital formation
- c. Employment and unemployment
- d. Sustainable development

^{*}Individual/group sharing session will be conducted for both the assignments at the beginning of the new academic session.

Prepared a complete note on any one
Unit 3: development experience of India, Pakistan, and China
Complete report on the development strategy on India with its neighbours

7. BUSSINESS

Prepare the project work on the topic allotted;

PROJCET A: MARKETING MANAGEMENT

On the basis of the work done by the students the project report should include the follows;

- 1. Why have you selected this product / services?
- 2. Find out '5' competitive brands that exist in the market.
- 3. What permission and licenses would be required to make the product?
- 4. What are your competitors unique selling proposition (U.S.P)?
- 5. Does your product have any range, give details?
- 6. What is your name of your product and its features?
- 7. Draw the 'label' of your product.
- 8. Draw a logo for your product.
- 9. What is the selling price of your competitor's product?
- 10. How will be your product packed and which channel of distribution are used.
- 11. List 5 ways of promoting your product.
- 12. Draft any social message for your label.

At this stage the students will realize the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing: product, price, place and promotions.

Make the project file which includes all the topics.

8. ACOUNTANCY

Chapter: Financial statements of sole proprietorship

- Q1. Explain the meaning of financial statements. Discuss their objectives and importance for a sole proprietor.
- Q2. Solved any four comprehensive numerical questions on Final Accounts of a Sole Proprietorship covering Trading Account, Profit & Loss Account, and Balance Sheet.

9. PHYSICS

A. Make a project from the suggested investigatory projects listed below. Kindly select the projects according to the roll number allotted.

Suggested Investigatory Projects

- To study various factors on which the internal resistance/EMF of a cell depends.
- To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR.
- To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.
- 4. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
- 5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
- To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
- To study the factor on which the self-inductance of a coil depends by observing the
 effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an
 A.C. source of adjustable frequency.
- To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.
- **B**. Device a planning project for the following Sub-Themes for an Exhibit for the National Level Science Exhibition 2026

Sub-Themes:

- 1. Sustainable Agriculture
- 2. Waste Management and Alternatives to Plastics
- 3. Green Energy
- 4. Emerging Technologies
- 5. Recreational Mathematical Modelling
- 6. Health and Hygiene
- 7. Water Conservation and Management

10. COMPUTER SCIENCE

Write One simple Program in python with output on below:

(Don't copy from internet use real life examples)

1. String functions: (For 1st Jan to 20th Jan)

 a. len() b. capitalize() c. split() d. replace() e. find() f. index() g. isalpha() h. isalnum() i. isdigit() 	j. title() k. count() l. lower() m. islower() n. upper() o. isupper() p. lstrip() q. rstrip() r. strip()	s. isspace() t. istitle() u. join() v. swapcase() w. partition() x. endswith() y. startswith() z. ord(), chr()
2. List functions: (For 21	st Jan to 31st Jan)	
a. append()b. extend()c. insert()d. reverse()e. index()	f. len()g. sort() / sorted()h. clear()i. count()j. min()	k. max() l. pop() m. del n. remove()
3. Tuple functions: (For	1 st Feb to 10 th Feb)	
a. len() b. count() c. any()	d. min() e. max() f. sum()	g. sorted() h. index()
4. Dictionary functions: (l	For 11 th Feb to 20 th Feb)	
a. delb. pop()c. len()d. clear()e. get()	f. items()g. keys()h. values()i. copy()j. fromkeys()	k. popitem() l. min() m.max() n. sorted()
Random module function a. random()	ns: (For 21 st Feb to 23 rd Feb) b. randint()	c. randrange()
6. Math module functions:a. pib. ceil()	(For 24 th Feb to 26 th Feb) c. floor() d. pow()	e. sqrt() f. fabs()
7. Statistics module function a. mean()	ns: (For 27 th Feb to 28 th Feb) b. median()	c. mode()

11. WEB APPLICATION

Write One simple Program in Javascript with output on below :

(Don't copy from internet use real life examples)

Work For 1st Jan to 20th Jan:

- 1. Arithmetic operators: + * / %
- 2. Relational operators: < <= > >= == !=
- 3. Logical operators: && | !
- 4. Bitwise Logical operator: &
- 5. Bitwise Shift operator: << >>
- 6. Unary operators: ++ --
- 7. Ternary operator: ?:
- 8. Compound operator: += -= *= /= %=

Work For 21st Jan to 31st Jan:

- 1. If else (write 3 programs)
- 2. Nested if else (write 3 programs)
- 3. Switch (write 3 programs)

Work For 1st Feb to 15th Feb:

- 1. One dimensional loop (write 3 programs)
- 2. Two dimensional loop (write 3 programs)
- 3. Conversion from while to for (write 3 programs)
- 4. Conversion from for to while (write 2 programs)
- 5. Conversion from if else to switch (write 2 programs)
- 6. Conversion from switch to if else (write 2 programs)
- 7. Conversion from if else to ternary operator (write 1 programs)

Work For 16th Feb to 28th Feb:

- 1. To add two numbers by button click where both number entered by user.
- 2. Display any number table by button click.
- 3. Display greatest number between two numbers by button click where both number entered by user.
- 4. Display smallest number between two numbers by button click where both number entered by user.

12. MATHS

- 1. Evaluate: $\lim_{x\to 0} (\sin 3x / x)$.
- 2. Find $\lim_{x\to 0} ((1 \cos 5x) / x^2)$.
- 3. Evaluate: $\lim_{x} \rightarrow 0$ ((e^x 1) / x).
- 4. Find $\lim_{x} \rightarrow 0$ ((tan $2x \sin 2x$) / x^3).
- 5. Evaluate: $\lim_{x} \to 0 ((a^{x} 1) / x), a > 0$.
- 6. Find $\lim_{x} \to 0 ((\sqrt{1 + x}) 1) / x)$.
- 7. Evaluate: $\lim_{x} \rightarrow 0$ ((sin x + tan x) / x).
- 8. Find $\lim_{x} \to 0$ ((1/x) (1/sin x)).

- 9. Evaluate: $\lim_{x} \rightarrow 0$ ((cos x cos 2x) / x²).
- 10. Find $\lim_{x} \rightarrow 0$ ((x sin x) / x³).
- 11. Evaluate: $\lim_{x} \rightarrow 0$ ((tan x x) / x^3).
- 12. Find $\lim_{x} \rightarrow 0$ ((sec x 1) / x^2).
- 13. Evaluate: $\lim_{x} \rightarrow 0$ (($\sin^2 x$) / x^2).
- 14. Find $\lim_{x} \to 0$ ((e^{2x} 1) / x).
- 15. Evaluate: $\lim_{x} \rightarrow 0$ ((a^x b^x) / x).
- 16. Find $\lim_{x} \to 0 ((\log(1 + x)) / x)$.

- 17. Evaluate: $\lim_{x} \rightarrow 0$ ((cos $3x 1) / x^2$).
- 18. Find $\lim_{x} \to 0 ((\sqrt{1 + 2x}) 1) / x)$.
- 19. Evaluate: $\lim_{x} \rightarrow 0$ ((sin 5x) / (sin 2x)).
- 20. Find $\lim_{x} \to 0 ((1 e^{-x}) / x)$.
- 21. Find the derivative of $y = \sin x \cos x$ with respect to
- 22. Differentiate $y = x^3 + 5x^2 7x + 4$.
- 23. Find dy/dx if $y = e^x \sin x$.
- 24. Differentiate y = log(sin x).
- 25. Find the derivative of $y = tan^2x$.
- 26. Differentiate $y = x^2e^x$.
- 27. Find dy/dx if $y = \sin^2 x$.
- 28. Differentiate $y = ln(x^2 + 1)$.
- 29. Find the derivative of $y = \sec x + \tan x$.
- 30. Differentiate $y = (x^2 + 1)/(x)$.
- 31. Find dy/dx if $y = e^{2x}$.
- 32. Differentiate $y = \sqrt{1 + x^2}$.
- 33. Find the derivative of $y = \cos x / \sin x$.

- 34. Differentiate $y = x \sin x$.
- 35. Find dy/dx if $y = (\sin x)^3$.
- 36. Prove: $(\sin x / (1 + \cos x)) + ((1 + \cos x) / \sin x) = 2$ cosec x.
- 37. Prove: $(\tan x / (\sec x 1)) ((\sec x 1) / \tan x) = 2$.
- 38. Prove: $(\sin \theta / (1 \cos \theta)) ((1 \cos \theta) / \sin \theta) = 2 \cot \theta$.
- 39. Simplify: $(1 \tan^2 x) / (1 + \tan^2 x)$.
- 40. Prove: $(1 + \sin x) / \cos x + \cos x / (1 + \sin x) = 2 \sec x$.
- 41. Evaluate sin 75° using trigonometric identities.
- 42. Prove: $(\sec x \tan x)(\sec x + \tan x) = 1$.
- 43. Simplify: $\sin x / (1 \cos x) + (1 \cos x) / \sin x$.
- 44. Prove: $(1 \sin x) / \cos x = \cos x / (1 + \sin x)$.
- 45. Find the value of tan 15° using identities.
- 46. Prove: $(1 + \tan^2 x) / (1 + \sec^2 x) = \cos^2 x$.
- 47. Simplify: $(\sin 2x) / (1 + \cos 2x)$.
- 48. Prove: $\sin^3 x + \cos^3 x = (\sin x + \cos x)(1 \sin x \cos x)$.
- 49. Evaluate cos 75° using trigonometric identities.
- 50. Prove: $(\tan x + \cot x)^2 = \sec^2 x + \csc^2 x$.

13. BIOLOGY

- 1. Buy this copy {Speed Writing In Improved Handwriting Cursive writing Book B (For Age 9+ Years) Cursive handwriting practice book} from Amazon website and Practice and complete it and bring it back to school.
- 2. Make an assignment on any topic from class 12 biology syllabus aligned with the **Scientific Method.**
- 3. Make an **Herbarium record file** collecting 10 plant specimens from your locality.

14. ART SUBJECT: GEOGRAPHY (029)

Instructions:

- i. This assignment is to be completed during the winter holiday.
- ii. Take the help of a world map and India map. (Refer to the official NCERT textbook available online)
- iii. Neatly locate and label the following features and learn them properly.
- iv. Use separate maps for each topic.

v. Submit your assignment on the first day after the winter break.

Book I: Fundamentals of Human Geography

I. Map items for identification on outline political map of the world:

Chapter Name	Transport, Communication and Trade Major seaports:	
	i. Europe: -North Cape, London, Hamburg	
	ii. North America: -Vancouver, San Francisco, New Orleans	
	iii. South America: -Rio De Janeiro, Colon, Valparaiso	
	iv. Africa: -Suez and Cape Town	
	iv. Asia:-Yokohama, Shanghai, Hongkong, Aden, Karachi, Kolkata	
	v. Australia: Perth, Sydney and Melbourne	
	Major Airports:	
	i. Asia: Tokyo, Beijing, Mumbai, Jeddah, Aden	
	ii. Africa: -Johannesburg and Nairobi	
	iii. Europe: -Moscow, London, Paris, Berlin and Rome	
	iv. North America: -Buenos Aires and Santiago	
	v. Australia: - Darwin and Wellington	
	Inland Waterways:	
	Suez Canal, Panama Canal, Rhine waterways and St Lawrence Seaways	

Book II: India People and Economy

II. Map items for locating and labelling on political outline map of India:

Chapter Name	
Population	State with highest population density and state with lowest population density (2011)
Land resources and Agriculture	Leading producing states of the following crops: a)Rice b) Wheat c) Cotton d) Jute e) Sugarcane f) Tea g) Coffee
International Trade	International Airports: Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Guwahati, Delhi, Amritsar, Thiruvananthapuram and Hyderabad.

- III. Read chapter number 12(GEOGRAPHICAL PERSPECTIVES ON SELECTED ISSUES AND PROBLEMS) from book II and note down the causes, consequences and effects of the different types of environmental pollution.
 - a) Air pollution
 - b) Water pollution
 - c) Noise pollution

15. PE

UNIT 1: Management of Sporting Events

The planning of sports events includes:

- a) Organising
- b) Staffing
- c) Directing
- d) All of the above

Which committee prepares the budget of a sports event?

- a) Technical committee
- b) Finance committee
- c) Transport committee
- d) Ground committee

Knock-out tournament is also known as:

- a) League tournament
- b) Round robin
- c) Elimination tournament
- d) Combination tournament

In a league tournament, the total number of matches is calculated by:

- a) N(N+1)/2
- b) N(N-1)/2
- c) N^2
- d) 2N

Which tournament is best when time is limited?

- a) League
- b) Knock-out
- c) Combination
- d) Round robin

UNIT 2: Children & Women in Sports

Female athlete triad includes:

- a) Obesity
- b) Menstrual dysfunction
- c) Hypertension
- d) Diabetes

Which hormone is responsible for growth?

- a) Estrogen
- b) Testosterone
- c) Growth hormone
- d) Insulin

Byes are given in which tournament?

- a) League
- b) Knock-out
- c) Round robin
- d) None

What is the formula for calculating byes?

- a) Next power of 2 number of teams
- b) Teams next power of 2
- c) Teams $\times 2$
- d) Teams $\div 2$

The committee responsible for accommodation is:

- a) Transport committee
- b) Boarding & lodging committee
- c) Ground committee
- d) Finance committee

The first Olympic Games were held in:

- a) Rome
- b) Athens
- c) London
- d) Paris

The motto of Olympic Games is:

- a) Faster, Higher, Stronger
- b) Unity in diversity
- c) Play fair
- d) Sports for all

Motor development refers to:

- a) Emotional growth
- b) Intellectual growth
- c) Development of movement
- d) Moral growth

According to WHO, adolescence age is:

- a) 8–16 years
- b) 10-19 years
- c) 12-20 years
- d) 14-21 years

Which postural deformity affects the spine sideways?

- a) Kyphosis
- b) Lordosis
- c) Scoliosis
- d) Flat foot

Bow legs is also known as:

- a) Genu valgum
- b) Genu varum
- c) Knock knees
- d) Flat foot

Menarche refers to:

- a) End of menstruation
- b) Beginning of menstruation
- c) Ovulation
- d) Pregnancy

UNIT 3: Yoga & Lifestyle Diseases

Diabetes is caused due to deficiency of:

- a) Thyroxine
- b) Insulin
- c) Estrogen
- d) Growth hormone

Which asana is helpful for obesity?

- a) Bhujangasana
- b) Tadasana
- c) Paschimottanasana
- d) All of the above

Hypertension means:

- a) Low blood pressure
- b) Normal blood pressure
- c) High blood pressure
- d) Blood cancer

Which pranayama is best for stress relief?

- a) Kapalbhati
- b) Anulom Vilom
- c) Bhastrika
- d) Suryabhedan

Asthma mainly affects:

- a) Heart
- b) Lungs
- c) Liver
- d) Kidney

Which deformity shows inward bending of knees?

- a) Bow legs
- b) Flat foot
- c) Knock knees
- d) Round shoulders

Physical activity helps in women by:

- a) Improving bone density
- b) Reducing stress
- c) Hormonal balance
- d) All of the above

Which vitamin helps in calcium absorption?

- a) Vitamin A
- b) Vitamin B
- c) Vitamin C
- d) Vitamin D

Which asana helps in back pain?

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

Lifestyle diseases are caused due to:

- a) Physical inactivity
- b) Unhealthy diet
- c) Stress
- d) All of the above

Yoga improves flexibility by:

- a) Strengthening muscles
- b) Stretching muscles
- c) Increasing fat
- d) Reducing oxygen

Meditation mainly improves:

- a) Strength
- b) Endurance
- c) Concentration
- d) Speed

Pranayama relates to control of:

- a) Body
- b) Mind
- c) Breath
- d) Food

UNIT 4: Physical Education & Sports for CWSN

CWSN stands for:

- a) Children With Special Needs
- b) Children With Sports Needs
- c) Creative Work Sports Network
- d) None

Which disability affects hearing?

- a) Visual impairment
- b) Hearing impairment
- c) Intellectual disability
- d) Physical disability

Special Olympics are for:

- a) Physical disability
- b) Intellectual disability
- c) Visual impairment
- d) Hearing impairment

Paralympics are for:

- a) Normal athletes
- b) Women athletes
- c) Disabled athletes
- d) Children

Inclusive education means:

- a) Separate schools
- b) Equal education for all
- c) Sports education only
- d) Yoga education

UNIT 5: Sports Nutrition

Carbohydrates are the main source of:

- a) Vitamins
- b) Energy
- c) Minerals
- d) Water

Proteins help in:

- a) Energy production
- b) Muscle growth
- c) Hydration
- d) Temperature control

Fats provide energy per gram:

- a) 4 kcal
- b) 7 kcal
- c) 9 kcal
- d) 12 kcal

ADHD is related to:

- a) Vision
- b) Attention
- c) Hearing
- d) Speech

Intellectual disability affects:

- a) Muscles
- b) Bones
- c) Intelligence
- d) Height

Sports help CWSN by:

- a) Improving confidence
- b) Social integration
- c) Physical fitness
- d) All of the above

Autism is a disorder of:

- a) Muscles
- b) Bones
- c) Social behavior
- d) Heart

Which game is suitable for visually impaired?

- a) Football
- b) Basketball
- c) Goalball
- d) Cricket

BMI stands for:

- a) Body Mass Index
- b) Body Muscle Index
- c) Bone Mass Index
- d) Balanced Mass Index

Normal BMI range is:

- a) 15–18
- b) 18.5-24.9
- c) 25–30
- d) Above 30

Which vitamin is water soluble?

- a) Vitamin A
- b) Vitamin D
- c) Vitamin E
- d) Vitamin C

Dehydration is caused due to lack of:

- a) Protein
- b) Fat
- c) Water
- d) Vitamins

Sports drinks mainly provide:

- a) Protein
- b) Electrolytes
- c) Fat
- d) Fiber

UNIT 6: Test & Measurement

Test is used to measure:

- a) Fitness
- b) Skill
- c) Performance
- d) All of the above

BMI is calculated using:

- a) Height only
- b) Weight only
- c) Height & weight
- d) Age

Harvard step test measures:

- a) Strength
- b) Speed
- c) Endurance
- d) Flexibility

Sit and reach test measures:

- a) Strength
- b) Speed
- c) Flexibility
- d) Balance

50m run test measures:

- a) Endurance
- b) Speed
- c) Strength
- d) Agility

UNIT 7: Physiology & Injuries

Muscle fatigue occurs due to:

- a) Oxygen excess
- b) Lactic acid
- c) Protein
- d) Fat

Malnutrition means:

- a) Excess nutrition
- b) Balanced diet
- c) Lack of nutrition
- d) Overweight

Iron deficiency causes:

- a) Obesity
- b) Anemia
- c) Diabetes
- d) Asthma

Standing broad jump measures:

- a) Arm strength
- b) Leg strength
- c) Flexibility
- d) Balance

Push-up test measures:

- a) Leg strength
- b) Arm & shoulder strength
- c) Speed
- d) Balance

Rikli and Jones test is for:

- a) Children
- b) Adults
- c) Senior citizens
- d) Athletes

Measurement means:

- a) Collection of data
- b) Evaluation
- c) Comparison
- d) Testing

Reliability of a test means:

- a) Accuracy
- b) Consistency
- c) Validity
- d) Objectivity

Greenstick fracture is common in:

- a) Adults
- b) Women
- c) Children
- d) Athletes

Sprain is injury to:

- a) Bone
- b) Muscle
- c) Ligament
- d) Tendon

Strain is injury to:

- a) Bone
- b) Muscle
- c) Ligament
- d) Joint

RICE stands for:

- a) Rest, Ice, Compression, Elevation
- b) Run, Ice, Compression, Elevation
- c) Rest, Injury, Care, Exercise
- d) None

Oxygen debt occurs during:

- a) Aerobic exercise
- b) Anaerobic exercise
- c) Rest
- d) Sleep

UNIT 8: Biomechanics & Sports Psychology

Biomechanics deals with:

- a) Mental health
- b) Body movements
- c) Nutrition
- d) Injuries

Axis is an imaginary line around which:

- a) Force acts
- b) Body rotates
- c) Energy flows
- d) Muscles grow

Friction helps in:

- a) Falling
- b) Slipping
- c) Movement control
- d) Fatigue

Motivation increases:

- a) Anxiety
- b) Performance
- c) Injury
- d) Fatigue

Cardiac output is related to:

- a) Heart
- b) Lungs
- c) Brain
- d) Kidney

Warm-up helps to prevent:

- a) Fatigue
- b) Injury
- c) Stress
- d) Obesity

Cool-down helps in:

- a) Increasing heart rate
- b) Removing waste products
- c) Increasing strength
- d) Reducing oxygen

Blood pressure is measured using:

- a) Thermometer
- b) Spirometer
- c) Sphygmomanometer
- d) Stethoscope

Anxiety affects performance by:

- a) Improving it
- b) Reducing it
- c) No effect
- d) Increasing strength

Personality refers to:

- a) Physical structure
- b) Behavior pattern
- c) Diet
- d) Fitness

Reaction time is:

- a) Time taken to think
- b) Time between stimulus & response
- c) Running time
- d) Rest time

Stress can be reduced by:

- a) Yoga
- b) Meditation
- c) Physical activity
- d) All of the above

Coordination is the ability to:

- a) Move fast
- b) Use muscles together
- c) Balance body
- d) Jump high

UNIT 9: Training & Doping

Training is a process of:

- a) Teaching
- b) Conditioning
- c) Competing
- d) Resting

Interval training improves:

- a) Speed
- b) Endurance
- c) Strength
- d) Flexibility

Overtraining causes:

- a) Fitness improvement
- b) Fatigue
- c) Strength gain
- d) Speed gain

Doping means:

- a) Legal medicine
- b) Balanced diet
- c) Use of banned substances
- d) Exercise

WADA stands for:

- a) World Anti-Doping Agency
- b) Women Athletic Development Authority
- c) World Athletic Doping Association
- d) None

UNIT 10: General Awareness

National Sports Day is celebrated on:

- a) August 29
- b) January 26
- c) October 2
- d) December 25

Major Dhyan Chand was related to:

- a) Cricket
- b) Football
- c) Hockey
- d) Athletics

Balance is classified into:

- a) Static & dynamic
- b) Speed & agility
- c) Strength & endurance
- d) Flexibility & power

Blood doping increases:

- a) Muscle size
- b) Oxygen carrying capacity
- c) Fat
- d) Injury

Ethics in sports means:

- a) Cheating
- b) Fair play
- c) Winning at all costs
- d) Aggression

Circuit training improves:

- a) Strength & endurance
- b) Speed only
- c) Flexibility only
- d) Balance only

Load in training refers to:

- a) Exercise stress
- b) Rest
- c) Diet
- d) Sleep

Recovery is important for:

- a) Injury
- b) Adaptation
- c) Fatigue removal
- d) All of the above

Khelo India program is launched to promote:

- a) Education
- b) Sports
- c) Yoga
- d) Health

Yoga Day is celebrated on:

- a) June 21
- b) July 11
- c) May 1
- d) August 15

First Asian Games were held in:

- a) India
- b) China
- c) Japan
- d) Indonesia

Sports help in developing:

- a) Discipline
- b) Leadership
- c) Team spirit
- d) All of the above

Physical education improves:

- a) Physical fitness
- b) Mental health
- c) Social skills
- d) All of the above

Olympic flag has rings of:

- a) 4 colors
- b) 5 colors
- c) 6 colors
- d) 7 colors

Which award is highest in Indian sports?

- a) Arjuna Award
- b) Dronacharya Award
- c) Khel Ratna
- d) Padma Shri

Physical education is essential for:

- a) Students
- b) Athletes
- c) Society
- d) All of the above
