# SHREE VASISHTHA VIDHYALAYA

# Diwali Assignment (2024 25) STD-12 Commerce

Sr.	C-1	
No.	Subject	Lopics
	English	Note: Write in project paper and submit in separate file with Name, Class, Roll No & Subject.  Literature  1. Our language is part of our culture and we are proud of it. Describe how regretful M. Hamel and the village elders are for having neglected their native language, French.  2. 'Lost Spring' explains the grinding poverty and traditions that condemn thousands of people to a life of abject poverty. Do you agree? Why/Why not?  3. Desire, determination and diligence lead to success. Explain the value of these qualities in the light of Douglas' experience in "Deep Water".  4. Our scriptures tell us that determination and perseverance are cardinal virtues of a good human being. Raj Kumar Shukla succeeded in taking Gandhiji to Champaran with the help of these two.  How can young students today use these two qualities to make successful careers for themselves?  5. What political significance does Gemini Studios' invitation to Moral Re-Armament army and Stephen Spender show?  6. Science has an aura of magic. Do you agree? Why? Why not? (Third Level)  7. The king was callous as a ruler and behaved whimsically. Thus, the people in his kingdom suffered while he fulfilled his desire of killing a hundred tigers. Do you find leaders or politicians in the world today being indifferent to the needs of the
		<ul> <li>people and behaving in the same way? Comment with relevant examples.</li> <li>8. Why does Tishani Doshi call her trip to Antarctica a "Journey to the End of the Earth"? What experience did she have during this expedition?</li> <li>9. What conflicting ideas arise in Dr. Sadao's mind after he has brought the wounded American soldier home? How is the conflict resolved?</li> <li>10. Do you think Derry's chance meeting with Mr Lamb would prove meaningful to him? Answer giving valid reasons.</li> </ul>
		Writing  1. You are Secretary of the History Club of Vidya Mandir School. Draft a notice in not
		more than 50 words informing students of a proposed visit to some important historical sites in your city.  2. You are Srinivas / Srinidhi 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 and sketches from students of all classes.  3. You are the Principal of Zodiac Senior Secondary School, Ooty. The school has completed 25 years of its meritorious services to the society. The Silver Jubilee Celebrations are to be held on Sunday, the 26 <sup>th</sup> October, 20XX. Mrs M. Kamath, the founder Principal will preside. Draft a suitable invitation to be sent to important dignitaries of the city and the parents of students.
		4. Highlight the importance of proper garbage disposal with an aim to create awareness among the city residents. Write a letter regarding the same to the editor of a local daily Hindustan Times. You are Rubal of Shakti Nagar, Delhi.
		5. Recent floods in many metropolitan cities of the country during the monsoon season laid bare the hollowness of the claims of the civic authorities of their preparedness.  The poor had to bear the brunt of the problem while no one was ever held
		Page 1 of 2

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		accountable. Write an article in 150 – 200 words on the common man's woes during the monsoons and the need for accountability of the officials concerned. You are Sumit / Smita Verma.				
	6. India is a land of diversity. One way in which it makes us feel proud of it is number of festivals we enjoy. Write an article in 150-200 words on 'Festiva'					
		India'. You are Karuna / Karan.				
		<ol> <li>Complete the assigned Specific Project as per CBSE guidelines on the Topic "Tools of analysis of Financial Statements".</li> </ol>				
2.	Accountancy	2. Solve the short sums and Comprehensive Numericals as per the worksheet in the				
		separate sheets and submit them in a file with your Name, Class and Roll				
		Number.				
		1. Prepare an investigatory project as per CBSE guidelines on any one of the				
	<b>⇒</b>	following topics.				
3.	Business	1. Business environment 2. Principles of management				
	Studies	3. Stock exchange 4. Marketing management				
		2. Solve the assigned worksheet in separate sheets and submit in a file with your				
-		Name, Class and Roll Number.				
		Solve the assigned worksheet in separate sheet and submit in a file with Name, Class,				
4.	Economics	Roll No & Subject. (PDF of the worksheet will be sent to you by the concern subject				
		teacher.)				
		Solve the Model Test Paper-Appendix-D				
5.	Informatics	2) Solve Practice Paper - Appendix-E From IP - Text Book - Page number -A.27				
٥.	Practices	(Appendix-D) A.37 (Appendix-E)				
		Write your assignment in the IP Notebook.				
		Answer all the questions given in the pdf of question bank of following units in your				
	Dhycical	PE Notebook.				
6.	Physical Education	Unit - 1: Management of Sporting Events, Unit - 2: Children and Women in Sports,				
	Education	Unit - 3: Yoga as Preventive Measure for Lifestyle Disease, Unit - 4: Physical Education				
		and Sports for Children with Special Needs, Unit - 5: Sports and Nutrition				
	Applied	Write the solutions of the questions given in the worksheet in separate answer sheets				
7.	Math	and file them.				
		Complete your Activity book journal. (As per the shared list of 11 activities.)				

#### NOTE:

- Students need to complete the subject specific assignments as per the instructed norms.
- Detailed guidelines are explained in the classes.
- Worksheets and Sample Question Papers will be shared on Class WhatsApp Broadcast group and School App. You are advised to take the printout of the same and use the hard copies for doing the homework.
- Submission date for all assignments is 18th November, 2024, Monday.
- These assignments are a part of the Internal Assessments and will be marked for the same. It is mandatory for the students to complete the assignments and submit it to the concerned teachers.
- Students are requested to get their doubts regarding the assignments during regular classes.

May the divine light of Diwali spreads into your life and bring peace, prosperity, happiness, good health and grand success.



## DIWALI WORKSHEET: 2024-25 STD – XII COMMERCE

## **ACCOUNTANCY (054)**

1. Weighted average method of calculating goodwill is used when:

a. profits are not equal

b. profits are fluctuating

c. profit shows trend

d. none of the above.

- Name any two factors affecting goodwill of the firm.
- 3. Which of the following is incorrect?

a. Old Ratio = New Ratio + Sacrifice Ratio

b. Old Ratio = New ratio – acquired share

c. Old Ratio = Sacrifice Ratio - New Ratio

d. Old ratio = Surrendered share + New Ratio

4. Ram, Shyam and Mohan are partners sharing profits and losses in the ratio of 6:3:1. They decided to share future profits in the ratio of 3:2:1. At the end of the year their balance sheet shows the following:

Profit and loss (Dr.) 40,000 Rs.
Accumulated Reserves 70,000 Rs.
Deferred revenue expenditure 30,000 Rs.
Contingency reserve 10,000 Rs.
Loss on revaluation 6,000 Rs.

You are required to pass necessary journal entry/entries without affecting their balances.

On 1-4-2010, Sahil and Charu entered into partnership for sharing profits in the ratio of 4:3. They admitted Tanu as a new partner on 1-04-2012 for 1/5<sup>th</sup> share which she acquired equally from Sahil and Charu. Partners earned profits at a higher rate then the normal rate of return for the year ended 31-03-2013. Therefore they decided to expand their business. To meet the requirements of additional capital they admitted Punit as a new partner on 1-04-2013 for 1/7<sup>th</sup> share in profits which he acquired from Sahil and Charu in 7:3 ratio.

#### Calculate:

- a. New profit sharing ratio for Sahil, Charu and Tanu for the year ended 2012-13
- b. New profit sharing ratio for Sahil, Charu, Tanu and Punit on Punit's admission.
- 6. A firm has earned a profit of Rs.5,00,000 during the current year. The net assets of business are Rs.50,00,000 and liabilities are Rs.15,00,000. Normal rate of return is 10%.

You are required to calculate value of goodwill by capitalisation of average profit.

- 7. A and B are partners in a firm. They admit C as a new partner for 1/4<sup>th</sup> share in the profits of the firm. C brings Rs.2,00,000 as his share of capital. Value of the assets and outside liabilities were Rs.5,40,000 and Rs.1,00,000 respectively on that date.
  - Pass journal entry to record goodwill on the admission of C. Show your workings clearly.
- 8. Ram, Ramesh and Raju are partners in a firm, sharing profits and losses in the ratio of 5:3:2. Ranveer is admitted at the share of 1/5<sup>th</sup> and on the same date, Raju retires. The new Profit-sharing ratio between Ram and Ramesh is agreed on 2:1. All assets are revalued at Rs.11,25,000 to Rs.13,50,000.
  - Calculate new profit-sharing ratio.
  - (ii) Pass necessary journal entry.
- 9. Suraj, Amir and Sur are partners in a firm, their profit and loss sharing ratio is 2:1:2. The following are the book values and revised values at the end of the year:

Particulars	Book values	Revised Values
Goodwill	0	50,000
Stock	90,000	20% less than book value
Outstanding wages	0	3,500
Building	1,50,000	2,50,000
Provision for Doubtful debts	1,000	Increased by 1,000 than book value
Furniture	15,000	10% less than book value

They decided to keep their future profit-sharing ratio as 2:2:1.

You are required to pass single adjustment entry without affecting their balances.

10. The profits earned by a firm during last 5 years are as follows:

Years	Profits/loss
1	Rs.10,000 (include personal expenses of Rs.1,000)
II	(Rs.2,000) loss –(includes abnormal loss of Rs.4,000)
Ш	Rs. 15,000 – (repair of plant was ignored Rs.5,000)
IV	Rs.24,000
V	Rs.10,000 - (includes abnormal gain of Rs.5,000)

The normal rate of return is 10% and assets of business are Rs.1,00,000 and liabilities are Rs.20,000. You are required to calculate goodwill on the basis of 3.5 years of Purchases.

11. Nishu and Vishu are partners sharing profits in the ratio of 3:2. Their balance sheet as at 31<sup>st</sup> March 2009 was as follows:

Liabilities	Rs	Asset		Rs
Creditors	66,000	Cash at bank		87,000
General reserve	10,000	Debtors	42,000	
Investment fluctuation fund	4,000	Less provision for D.D	7,000	35,000
Nishu capital		Investments (market price Rs.19,000)		21,000
Vishu capital	1,19,000	Building		98,000
	1,12,000	0 Plant and machinery		70,000
	3,11,000	•		3,11,000

Ishu was admitted on that date for 1/6<sup>th</sup> share in the following terms:

- 1. Ishu will bring Rs.56,000 as his share of capital.
- 2. Goodwill of the firm is valued at Rs.84,000 and Ishu will bring his share of goodwill in cash.
- 3. Plant and machinery be appreciated by 20%.
- All debtors are good.
- 5. There is a liability of Rs.9,800 included in sundry creditors that is not likely to arise.
- Capitals of Nishu and Vishu will be adjusted on the basis of Ishu's capital and any excess or deficiency will be made by withdrawing or bringing in cash by the concerned partners.

Prepare revaluation account, partner's accounts and balance sheet of the new firm.

12. Mohan and Mahesh were partners in a firm sharing profits in the ratio of 3:2. On 1<sup>st</sup> April 2012, they admitted Nusrat as a partner in the firm. The balance sheet of Mohan and Mahesh as on that date was as follows:

Liabilities	Rs.	Assets	Rs.
Creditors	2,10,000	Cash	1,40,000
Workmen compensation fund	2,50,000	Debtors	1,60,000
General reserve	1,60,000	Stock	1,20,000
Mohan capital	1,00,000	Machinery	1,00,000
Mahesh capital	80,000	Building	2,80,000
	8,00,000		8,00,000

It was agreed that

- 1. Value of building and stock be appreciated to Rs.3,80,000 and Rs.1,60,000 respectively.
- The liabilities of workmen's compensation fund was determined at Rs.2,30,000.
- 3. Nusrat brought in her share of goodwill Rs.1,00,000 in cash.
- Nusrat was to bring further cash as would make her capital equal to 20% of the combined capital of Mohan and Mahesh after above revaluation and adjustments are carried out.
- 5. The future profit sharing ratio will be Mohan 2/5<sup>th</sup>, Mahesh 2/5<sup>th</sup> and Nusrat 1/5<sup>th</sup>.

Prepare revaluation account, partner's accounts and balance sheet of the new firm.

### **BUSINESS STUDIES (054)**

### **Identify The Characteristics**

- 1. Directing is performed by all managers at all levels of the organization.
- 2. Planning, Organizing, staffing and controlling functions prepares a base for action, directing start it
- 3. Directing is an ongoing process. It takes place throughout the lifetime of an organization

4. Every manager can direct his immediate subordinate and take instruction from his immediate boss.

### **Identify The Importance**

- 5. Directing helps to achieve balance among various groups, activities and the department
- A good leader can always identify the potential of his employees and motivate them to utilize their full potential.
- 7. People have a tendency to resist changes in the organization but effective directing develop required cooperation in introducing changes in the organization
- Good manger convinces the employees working under him that individual efforts and team efforts will lead to achievement of organizational goals.

#### Identify The Needs Highlighted in The Statement

- 9. Informal groups are also formed to satisfy this need.
- 10. This need is satisfied when one becomes what he is capable of becoming.
- 11. Status, power, achievements, prestige etc. help to satisfy the need.
- 12. These needs include need for love, affection, friendship, companionship etc.
- Motivator like pension plan, life Insurance, job security etc. help to satisfy these needs.

### Identify The Types of Incentives

- 14. It means involving employees in decision making of the issues related to them.
- Benefits like car allowance, housing, medical are offered to an employee.
- 16. Appropriate skill development programme, and sound promotion policy will help employees to achieve promotion.
- 17. It indicates the characteristics which describe an organization and distinguish one organization from the other.
- 18. Displaying on the notice board about the achievement of employee.
- 19. The negative aspects of this incentives is that when the people are assured that their job is secured they may become complacent and lazy.

#### **Elements of Communication Process**

- 20. A division X' sent an encoded message to division Y' through internet. What is the role of internet here?
- 21. Tarun is making gestures so that he can send a message to Arman. What is Tarun doing here?
- 22. Sagar picks his phone and finds a message on it. He reads message carefully. What is the role of sagar here?

## ECONOMICS (030)

#### MACROECONOMICS

Q1. Read the following statements carefully:

(1)

**Statement 1:** Ex-post savings and Ex-post investments are equal at all levels of income.

Statement 2: Under the effective demand principle, the equilibrium output is equal to ex-ante Aggregate Demand (AD).

In the light of the given statements, choose the correct alternative from the following:

- (a) Statement 1 is true and statement 2 is false
- (b) Statement 1 is false and statement 2 is true
- (c) Both statements 1 and 2 are true
- (d) Both statements 1 and 2 are false
- Q2. Identify, which of the following is not considered as 'Normal Resident' of India? (1)
  - (a) An Indian citizen working in USA embassy located at New Delhi
  - (b) An Indian officials working in Indian embassy in China
  - (c) An Indian diplomats visiting Canada for a summit
  - (d) An Indian working in an American Company located in New York for a period of more than 1 year
- Q3. In a hypothetical economy, if entire additional income is consumed, the value of investment multiplier would be . (Fill up the blank with correct alternative)

	(c) Betw	een zero (0) and	one (1)		(d) Infinity	7 (∞)			
Q4.	If in an ed	conomy the Bala	nce of Trad	e is showing	a deficit o	f ₹200 crore	and the valu	e of import	(1)
	is ₹900 cr	ore, then the val	ue of export	s would be ₹	** E; =	crore. (Fill 1	up the blank	with correct	.50.50
	alternativ	e)	001111 1-00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						
	(a) 200	16.	b) 1100		(c) 700		(d) 900		
Q5.	N (8	otra borrowed fu	5. 6		2.7	w house " Fr	0.6	statement	(1)
QJ.		ne indicated fund			lasing a ne	w nouse.	om me givei	i statement,	(1)
		um of exchange			(b) Store of	of value			
	W-0/2 PLANTED	of account			Market 1 1950 Street Street	TWO MINISTERS	d payments		
06	W-0-W-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0							Carra (ADC)	(1)
Q6.	becomes	given table, ide	entity that is	ever or inco	me, where	Average Pr	opensity to s	save (APS)	(1)
			0	50	100	200	300	400	
	Income (		50	75	100	150	200	250	
	-	otion (₹ crore)	30	13	100	130	200	230	
	Alternati (a) 50		b) 100		(c) 200		(d) 0		
Q7.	Maria Caraca	conomy the initi	ARMY DEVELOPED		March 10 miles	serve Ratio	10000	The value	(1)
Q/·		eposit created w		Common De l'Albanie De Carrellia de Ca			th correct alt	ii neessaga minassassa	(1)
	(a) 4,000		b) 40,000		(c) 2,000	ine oraine wi	(d) 20,000		
Q8.	2.8	following, ident	0 <b>6</b> 0 - 151			ect the sunnl	(8) E (7)		(1)
Qo.			ny me come	ct reasons tr	iai iliay airi	oct the suppi	y of foreign c	Achange in	(1)
	an econor		Dualand her	n Indian					
		hase of land in l							
	a e	ign tourists visit							
	1200	ation of \$ 500 m							
	Acces 1	an students goin	g to Austral	ia for studies	3				
	Alternati	ves:							
	(a) (i) an	d (a) (	<ul><li>b) (ii) and (</li></ul>	iv)	(c) (ii) and	l (iii)	(d) (i) and	(iv)	
Q9.	Identify,	what does the sh	aded area (A	AEFG), in th	e given fig	ure indicate	?		(1)
		sumption > Inco	32	1	ر ا	,			
	THE POST OF THE POST OF	ng = Zero(0)		Y-axis	7				
	5.5.	sumption < Inco	me	5		_C = c + bY			
		ng < Zero (0)		mption	E G	-0-0.01			
	(11) 5411	ng \ Zero (o)		3					
				ğ 45°					
				0 140	Income	➤ X-axis			
	Alternati	ves:							
	(a) (i) an	d (ii) (	b) (ii) and (	iii)	(c) (iii) an	d (iv)	(d) (i) and	(iv)	
Q10.	The meas	urement of Bala			is based on		transactions.	(Fill up the	(1)
<b>V</b> 2.0.		h correct alterna		ionio dell'eli	io ousea on		ir uniou cirono.	(I III up iiie	(1)
	(a) Autor	-3	b) Accomn	nodating	(c) Curren	t account	(d) Capital	account	
011	3 3	And Annual Maria	UND Vinda Call II Norman in in		* /		(u) Capital	account	(3)
Q11.	Calculate	Gross Value Ac	ided at Mari	ket Price from	m the giver	i data:			(3)
	Sr. No	P	articulars		Amou	ınt (₹ in lak	ths)		
	(i)	Depreciation				20			
	(ii)	Domestic sales	S			200			
	(iii)	Change in stoc	k			(-)20			
	(iv)	Exports				10			
	(v)	Single use pro				120			
Q12.	Give the	meanings of I	Balance of	Trade and	Balance o	n Current A	Account of	Balance of	(3)

(b) Zero (0)

(a) One (l)

Payments Account.

Q13.	An economy is in following data:	equilibrium. Calculate tl	he value of Marginal Prope	ensity to Save from the	(4)
	National income =	₹1000 crores			
	Autonomous consu	mption = ₹100 crores			
	Investment = ₹120	crores			
Q14.	Read the following	g text carefully:			(4)
	As per the news rep	ort published in The Econ	nomic Times on 9 <sup>th</sup> October	, 2020, RBI has kept the	
	repo rate unchange	d at 4.00% and reduced re-	verse repo rate to 3.35%. In	addition to that, the bank	
	rate stands 4.65%.	This has been done to limi	it the damage to the economy	y caused by the COVID-	
	19 and subsequent	lockdowns.		· · · · · · · · · · · · · · · · · · ·	
			tanding, answer the question	s that follow:	
		monetary policy mean?			
	(b) What does the	-57 th 157			
Q15.	The second secon	nker Bank' function of the	e Central Bank.		(4)
Q16.		ference between Real and			(-)
Q10.					24
		e of the country?	nd GFCF are taken into co		g the 3=6)
Q17.		2014년 4월 12일 전투 12일	na, is providing free LPG		
Q1/.			t objective the government	- NG	
	2.110	dget and how? Explain.		7 0	
	(B) Explain the 'red	distribution of income' obj	jective of government budge	et. (3	3+3)
		PHYSICAL	EDUCATION (0	48)	ľ
		WOR	KSHEET (MCQ)		10
	Chapter-1: Manag	0.11 Sept. 20			
1.	a	8) <del>.</del>	dure of a CBSE Volley ball	National competition.	
	1–2		en marchine an income an easy in a second		
	1-3 2-3				
	1-42-43-4				
	1-5 2-5 3-5 4-5				
	1-62-63-64-65				
		above data, answer the fo	장마이 아이 생각들이 아이들이 아이들이다.	shin taumamant? (whose	NI:
	number of team		ber of matches in Round Ro	oom tournament: (where	IN 18
	The state of the s	e winner in League tourns	aments?		
		per of Rounds in above fix			
	(d) If nine teams a	re participating in league	fixture of cyclic method th	nen how many matches w	ill be
	played?				
2.	There are	_ basic functions of Mana	gement.		
	(a) four	(b) five	(c) six	(d) eight	
3.	The basic function	of management is			
	(a) Controlling	(b) Budgeting	(c) Planning	(d) Organising	
4.	Which of the follow	ving is the fi rst step in a s	sports programme?		
	(a) Staffing	(b) Budgeting	(c) Planning	(d) Directing	
5.	What is the most in	nportant prerequisite for a	successful competitive even	nt to happen?	
	(a) Publicising the	event	(b) Appropriate Plan	ning	
	(c) Coordinating th		(d) None of the above	re	
6.	Planning in sports l		72 - 0005 1000 - 0005		
	(a) Increase in expe		(b) Better coordinati		
_	(c) Increase in mist		(d) Increase in last n		
7.		(T) (V)	and deciding how to accomp	9	
	(a) Planning	(b) Directing	(c) Staffing	(d) Organising	

8.	1			ed people, work and work-
	(a) Planning	can work together efficient (b) Directing	(c) Staffing	(d) Organising
9.	Which of the following	can be defined as filling and	l keeping filled positions in	the organisation structure?
	(a) Planning	(b) Directing	(c) Staffing	(d) Organising
10.	If $n = 25$ so teams in lov	ver half will be		
	(a) 12	(b) 14	(c) 13	(d) 11
11.	is a privilege	given to outstanding playe	rs to straight away compete	e in quarterfinals.
	(a) Seeding		(b) Bye	
	(c) Special seeding		(d) Knockout cum league	
12.	Name different types of	league fixture.		
	(a) Cyclic	(b) Staircase	(c) Tabular	(d) All of these
13.	How many rounds will b	be there if n=7 in league m	atches (cyclic)?	
	(a) 5	(b) 6	(c) 7	(d) 8
14.	If $n = 29$ , then how man	y byes will be there in kno	ck out?	
	(a) 5	(b) 4	(c) 3	(d) 2
15.	In the placement of byes	46.45		
	(a) First team of lower h		(b) First team of upper ha	alf
	(c) Last team of lower h		(d) Last team of upper ha	lf
	Chapter-2: Children a	nd Women in Sports		
1.	Frequent menstruation k	nown as[CBS	E Handbook]	
	(a) Metrorrhagia	(b) Oligomenorrhea	(c) Polymenorrhea	(d) Menorrhagia
2.	Lordosis is a problem of	£		
	(a) Lower back	(b) Middle back	(c) Upper back	(d) Shoulders
3.	Advantages of correct p	osture is/are		
	(a) Increases flexibility		(b) Improves physical ap	perance
	(c) More energy		(d) All of these	
4.	What is the cause of oste	eoporosis in woman?		
	(a) High blood pressure		(b) Menarche	
	(c) Excessive exercise		(d) Lack of calcium and	Vitamin
5.	Deformity of legs is known	own as		
	(a) Scoliosis	(b) Lordosis	(c) Knock knees	(d) Kyphosis
6.	In which type of anorex	ia does an individual lose v	veight by taking laxatives of	or diuretics?
	(a) Bulimia nervosa	(b) Purging type	(c) Restricting type	(d) Anorexia nervosa
7.	Weakening of bone due	to loss of bone density and	l improper bone formation	is
	(a) Amenorrhea	(b) Bulimia	(c) Osteoporosis	(d) Calcium deficiency
8.	Mirabai chanu belonged	to very simple family but	she always used to dream	big. Which medal did she
	won in tokyo olympics 2	2020?		
	(a) Gold	(b) Silver	(c) Bronze	(d) All these
9.	A healthy normal menst	August 16 Course	(a) 20 days arrala	(d) Mana aftha abarra
10.	(a) Menarche If menstruation cycle do	(b) Menopause ses not begin at puberty, the	(c) 28 day cycle	(d) None of the above
20.	(a) Primary amenorrhea		(b) Secondary amenorrhe	a
	(c) Oligomenorrhea		(d) Dysmenorrhea	
11.		a person binges and purge		
	(a) Anorexia nervosa		(b) Bulimia nervasa	
	(c) Osteoporosis		(d) Anemia	

12.	<ol> <li>Walking barefoot on sand or rough ground helps to correct</li> </ol>					
	(a) Flat feet		(b) Club feet			
	(c) Curved feet		(d) Outward pointing fee	t		
13.	Horse riding and oil me	ssaging of knees towards o	uter side are required to cu	re		
	(a) Bow legs	(b) Knock knees	(c) Scoliosis	(d) Flat foot		
14.	No arc in the foot is call					
15.	(a) Arch Rope skipping, walk on	(b) Flexible heels is suitable exercise for	(c) Cause Hindrance or	(d) Flat foot		
	(a) Flat foot	(b) Bow legs	(c) Knock knees	(d) Round shoulders		
	Chapter-3: Yoga as Pr	eventive Measure for Life	estyle Disease			
1.	What are the symptoms	of Asthma?				
	(a) Extra production of a	nucus	(b) Excessive coughing			
	(c) Wheezing and shortr	ness of breath	(d) All of these			
2.	The advantage for Vajra	sana is				
	(a) Relieves stomach ail		(b) Tones up the body			
2	(c) Get the blood sugar		(d) Control your habits			
3.	(a) Bhujangasana	embles the face of a cow.  (b) Halasana	(c) Padmasana	(d) Gomukhasana		
4.		Asanas helps to improve	(v) I ddillaballa	(a) Communication		
	(a) Blood circulation	(b) Digestive system	(c) Depth of respiration	(d) Speed		
5.	71 11 11 11 11 11	th respiratory tracts is know	CONTRACTOR LOS CONTRA	Control Control		
6.	(a) Diabetes Which assays is not don	<ul><li>(b) Asthma</li><li>e when a person is suffering</li></ul>	(c) Obesity	(d) Hypertension		
0.	(a) Bhujangasana	e when a person is suffern	(b) Tadasana			
	(c) Paschimottasana		(d) Ardh Matsyendrasana	ı		
7.	Hazardous consequence	s of obesity is/are				
	(a) Prone to injuries	16 (1909) (2 155)				
	<ul><li>(b) More likely to get v</li><li>(c) Pollution decrease</li></ul>	arious lifestyle diseases				
	(d) All of these					
8.		cticed immediately after ea	ting food?			
	(a) Hastottanasana		(b) Trikonasana			
0	(c) Ardhamatsyendrasar		(d) Vajrasana gestive gas from the stomac	h and intestines		
9.	(a) Paschimottanasana	sis in releasing trapped dig	(b) Pavan Muktasana	n and miestines.		
	(c) Shavasana		(d) Sarvangasana			
10.	* A	hing whosping shortness		tness are caused in nationt		
10.	Symptoms such as coughing, wheezing, shortness of breath and / or chest tightness are caused in patient suffering from					
	(a) Diabetes	(b) Obesity	(c) Asthma	(d) Back pain		
11.	One of the possible caus	ses for Obesity could be		,		
	(a) Heredity	(b) Excessive eating	(c) Fast metabolism	(d) Both (a) and (b).		
12.	Which asana is helpful i	n maintaining normal bloo	d pressure?			
	(a) Shavasana	(b) Padmasana	(c) Shalabhasana	(d) Anulom-vilome		
13.	Gomukhasana, Anulom	Vilome and Matsyasana an	re helpful in curing which o	lisease?		
	(a) Diabetes	(b) Backpain	(c) Asthama	(d) Obesity		
14.	According to Patanjali,	the definition of Asana is				
	(a) control of sense orga		(b) sitting in a cross-legg	ed position		
	(c) sitting in a comfortal	ole position	(d) control of diet and water intake			

15.	According to WHO	O, the criteria for overwei	ght as per BMI is	
	(a) $18.5 - 24.9$	(b) $25 - 29.9$	(c) $30 - 34.9$	(d) $35 - 39.9$
	Chapter - 4: Phys	sical Education and Spor	rts for CWSN	
1.	World Disability I	Day is celebrated on		
	(a) 2 <sup>nd</sup> April	-	(c) 29th August	(d) 3 <sup>rd</sup> December
2.		erm that should be used for	or children with special needs?	
_	(a) Viklang	(b) Divyang	(c) Differently-abled	(d) All of the above
3.		are included in Special O		(A) 10
4.	(a) 15 Who started Speci	(b) 24 al Olympics International	(c) 20	(d) 18
7.	(a) Eunice Kenned		(b) John F Kennedy	
	(c) Sir Ludwig Gu	3 - 1 N. 1. POSTO P. 1 (1)	(d) M Mahadeva	
5.		Shriver started for children		
	(a) 1982	(b) 1964	(c) 1970	(d) 1962
6.	The reason Paraly	mpic Games got their nan	ne was because:	
	(a) they were mea	ant for athletes suffering fi	rom paraplegia.	
	(b) they run along	side or parallel to the Oly	mpic Games.	
	(c) the athletes are	e paragons of their sports.		
	(d) they are attend	ded by a large number of p	paramedics.	
7.	Which body gover	ns the Paralympic moven	nent?	
	(a) Special Olymp	ics International	(b) Sports Authority o	f India
	(c) Indian Paralym	pic Committee	(d) International Paral	ympic Committee
8.	Paralympic Games	s was a 1948 sporting Cor	npetition held at Stoke Mandey	rille hospital in
	(a) England	a en ricensia de la composita	(b) United States of A	merica
	(c) Germany		(d) Greece	
9.		lid the first Paralympic ga	and the Control of th	
10	(a) Rome, 1960		976 (c) Albertville, 1992	(d) Holland, 1968
10.	(a) Equality	n is the value of paralymp	(b) Courage and Inspir	ration
	(c) Determination		(d) All of them	auon
11.	all of the same of	Games was organized in th		
	(a) 1896	(b) 1960	(c) 1924	(d) 1951
12.	The international p	paralympics committee wa	as founded in the year.	
	(a) 1960	(b) 1948	(c) 1900	(d) 1989
13.	Specialists that wo	ork with special needs chil	ldren include	
	(a) Physiotherapis	ts	(b) Occupational thera	pists
	(c) Speech therapi		(d) All of these	
14.		India was initiated in		
44.	(a) 2001	(b) 2003	(c) 2005	(d) 2007
1.5				
15.		wing strategies is conside	ered to make physical activitie	s accessible for children with
	special needs?	al chaole un	(h) Special environme	nt according to their peeds
	(a) Regular Medic			nt according to their needs
		cal education activities	(d) All of the above	
	Chapter - 5: Spor			
1.	In which of follow	ing food group/groups 'si	ugar and joggery' come under.	
	(a) Protective food		(b) Energy giving foo	od
	(c) Body building	food	(d) Immunity booster	
2.	Which of the follo	wing is a macro mineral?	?	
	(a) Iodine	(b) Iron	(c) Copper	(d) Calcium

3.	"A diet which consist of all the essential food elements" is called				
	(a) Nutrition		(b) Balanced diet		
	(c) Growth		(d) Maintenance of	Body	
4.	Water soluble vitamin	s are			
	(a) A, D	(b) E, K	(c) C, A	(d) B, C	
5.	contain ca	rbon, oxygen and hydrog	en in the percentage of 76	5, 12and 12 respectively.	
	(a) Carbohydrates	(b) Fats	(c) Vitamins	(d) Proteins	
6.	One gram of fat contain	ins calories.			
	(a) 3 kcal	(b) 4 kcal	(c) 5 kcal	(d) 9 kcal	
7.	is a fat tha	t has been changed by a p	process called hydrogenat	ion.	
	(a) Saturated fat		(b) Trans fat		
	(c) Unsaturated fat		(d) Poly unsaturated	fat	
8.	Kwashiorkor and Mar	asmas diseases are cause	d due deficiency of		
	(a) Fat	(b) Minerals	(c) Proteins	(d) Carbohydrates	
9.	regulates t	he body temperature. It is	s made up of hydrogen an	d oxygen element in 2:1.	
	(a) Carbohydrates	(b) Water	(c) Roughage	(d) Antibodies	
10.	is not a ma	acro mineral.			
	(a) Magnesium	(b) Potassium	(c) Sulphur	(d) Chromium	
11.	element is	required to keep thyroid	gland healthy.		
	(a) Iron	(b) Iodine	(c) Cobalt	(d) Copper	
12.	hel	ps in smooth elimination	of stool or faeces.		
	(a) Carbohydrates	(b) Roughage	(c) Minerals	(d) Vitamins	
13.	Balanced diet is relate	d to			
	(a) Consuming right a	mount of vitamins			
		t ratio of carbohydrates as			
	3.0	nutrients in right amount			
14		of protein and minerals	~ Cavido		
14.		consumed the most durin	<b>3</b> /	<b>4</b> :	
	(a) Vitamin C and D		(b) Vitamin B and C		
15	(c) Vitamin A and B	T:	(d) Vitamin B and D	,	
15.	In which category BM	(T).	(-) Ol: II	7.4N TT	
	(a) Obesity I	(b) Over load	(c) Obesity II	(d) Healthy weight	
_	1 1		THEMATICS (	241)	
1.	Prove that: $\begin{vmatrix} 1 & a \\ -a & 1 \end{vmatrix}$	$\begin{vmatrix} b \\ c \end{vmatrix} = 1 + a^2 + b^2 + c^2$			
75	$\begin{vmatrix} -b & -c \end{vmatrix}$	1			
2.	E.O.		A  = -1 and $ B  = 3$ the	en find the value of $ 3AB $ .	
		and the values of: $\begin{vmatrix} 1 & bc \\ 1 & ca \\ 1 & ab \end{vmatrix}$	a(b+c)		
3.	Without expanding, fi	nd the values of: 1 ca	b(c+a).		
o <b>z</b> o		72 at 15	7 10		
4.		uation using matrix meth $-3z = 1.3x - 2y + 4$			
5.	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	5			
		ith respect to x. If $y = \frac{1}{1+}$	N. William		
6.	permitted which all provides that are a	Prove that $(x^2 + 1)y_2$			
7.	If $x\sqrt{1+y} + y\sqrt{1+x} = 0$ show that $(1+x^2)\frac{dy}{dx} + 1 = 0$ .				

8. Given below are the data relating to the sales of product in a district. Fit a straight-line trend by the method of least squares and tabulate the trend values.

Year	2015	2016	2017	2018	2019	2020	2021	2022
Sales	6.7	5.3	4.3	6.1	5.6	7.9	5.8	6.1

 Calculate three – yearly moving averages of number of students studying in a higher secondary school in a particular village from the following data.

Year	Number of Students
2011	332
2012	317
2013	357
2014	392
2015	402
2016	405
2017	410
2018	427
2019	435
2020	438

- 10. If  $f'(x) = 4x^3 6$  and f(0) = 3, find f(x).
- 11. Evaluate the integral  $\int \frac{dx}{x^3(x^5+1)^3/5}$ .
- 12. Evaluate the integral  $\int \frac{x^3 5x}{(x^2 9)((x^2 + 1))} dx$ .
- 13. Evaluate the integral  $\int (x^2 + 1) \log x \, dx$ .
- 14. A sample of random sample of 50 items from a population with  $\sigma = 6$  resulted in a sample mean of 32. Provide a 90% confidence interval for the population mean. [Use:  $Z_{\alpha/2}$  at 90%= 1.645].
- 15. Consider the following hypothesis test:

 $H_0: \mu \ge 80$ 

 $H_a$ :  $\mu$  < 80

A sample of 100 is used and the population standard deviation is 12. Computer the p-value and state your conclusion for each sample results, use  $\alpha = 0.01$ : if  $\bar{x} = 77$ .

### Case-Study 1:

16. Consider f(x) be a continuous function defined in [-a, a], then  $\int_{-a}^{a} f(x) = 2 \int_{0}^{a} f(x)$ , if f(x) is an even function i.e., f(-x) = f(x) and  $\int_{-a}^{a} f(x) = 0$  if f(x) is an odd function i.e., f(-x) = -f(x)

Based on the given information, answer the following questions.

- i. Evaluate:  $\int_{-5}^{5} (8x^5 4x^3 + 7x) dx$ .
- ii. Evaluate:  $\int_{-3}^{3} \log(\frac{1-x}{1+x}) dx$ .
- iii. Evaluate:  $\int_{-2}^{2} \log(\frac{1+12x^2}{x+4x^3}) dx$ .

### Case-Study 2:

17. The American Association of Individual Investors (AAII) conduct an investor sentiment survey every week to determine the number of investors who are Bullish, Bearish or Neutral on the short-term prospects for the stock market. A bullish investor believes that price of one or more securities will rise.

A bearish investor believes that price of one or more securities will fall.

An investor who is neither bullish nor bearish i.e., insensitive to the market price is called **neutral**. The poll results of AAII for the week ending November 29, 2008 are as follows: Bullish 208, Bearish 150, Neutral 142.

#### Based on the given information, answer the following questions.

- i. Find the point estimate of the population proportion of all AAII subscribers who are bullish.
- ii. Find the point estimate of the population proportion of all AAII subscribers who are bearish.
- iii. Compute the 95% confidence interval for the population proportion of AAII subscribers who are bullish.  $z_{\frac{\alpha}{2}} = z_{0.025} = 1.96$ .