

IT PRACTICAL EXAMINATION 2007-08
Spread Sheet - Std. X

- 1) Measurements of base and altitudes of some right angled triangle are given in the table below. Type the table in spread sheet and find the area of each triangle. Arrange the table in such a way that the name of the triangle having greater area comes first.

Triangle	Base(b)	Altitude(h)	Area $A=b*h/2$
Triangle-1	3	4	
Triangle-2	24	7	
Triangle-3	12	9	
Triangle-4	10	12	
Triangle-5	8	6	

Scoring key

1. For typing the table and finding area - 2 Score
 2. For copying formula in consecutive cells - 1 Score
 3. For Sorting the table - 1 Score
- 2) Prepare a table in spreadsheet containing name and house name of five students in your class in the first column and their age in second column. Arrange the name and house name in two lines in each cell using wrap text tool. Insert a new column in left side of the table and add serial number using Fill series technique.

Scoring key

1. For typing as per instruction using wrap text tool -2 Score
 2. For inserting new column -1 Score
 3. For inserting serial number using Fill series technique-1 Score
3. The table given below contains the yearly item wise household expenditure in 5 houses. Type the table in spread sheet and find the total expenditure of each house. Arrange the table in such a way that the house having highest expenditure comes first. Draw pie diagram exhibiting expenditure in the same sheet. Arrange the Word Expenses as shown in the model by merging cells and centre aligning the text.

House	Expenses					Total
	Provisions	Vegitables	Fruits	Milk	Miscellanious	
House 1	7200	1500	430	2400	2800	
House 2	9500	5000	890	3000	5200	
House 3	4600	2900	350	280	2300	
House 4	8900	3657	580	4210	6000	
House 5	5800	2000	560	2314	210	

Scoring key

1. For typing as per instruction and finding sum -1 Score
2. For sorting the Table -1 Score
3. For arranging the word 'Expenses' as shown in the model by merging the cells and centre aligning the text -1 Score
4. For inserting pie diagram -1 Score

4. Time and distance travelled by a vehicle started from Thiruvananthapuram is given in the Table given below. Type the table in spread sheet and find the speed of the vehicle using formula. Insert a column in left side of the table and add serial number using 'Fill Series' tool. Insert a row above the table, merge cells, type "SPEED OF A VEHICLE" as heading and centre align.

Place	Distance(D)	Time taken(T)	Speed=D/T
Kollam	64	1.5	
Kottayam	96	2	
Thrissur	210	4	
kasaragod	540	10	

Scoring key

1. For typing as directed -1 Score
 2. For inserting column and add serial number using "Fill series" tool; -1 Score
 3. For merging the cells, typing the heading and centre aligning -1 Score
 4. Finding Speed using formula -1 Score
5. Yearly paddy production of Wayanad District from 2002 to 2007 is given below. Type the table in Spread Sheet, find total production (T) and then find average production using formula. Prepare a line graph using the data. Merge cells and type PRODUCTION OF RICE as heading and centre align.

PRODUCTION OF RICE	
Year	Quantity
2002	12000
2003	8070
2004	12340
2005	7350
2006	15000
2007	4000
Total(T)=	
AVERAGE=T/6	

Scoring key

1. For typing text as directed -1 Score
 2. For finding total and average -1 Score
 3. For merging cells, typing heading and centre align -1 Score
 4. For preparing line graph -1 Score
6. Amount sanctioned and amount spent for different items in a school Youth Festival is given in the table below. Enter the column heading amount sanctioned in two lines in the cell as shown in the model. Find the difference between Amount Sanctioned and Amount used for each item and find the items for which amount used is more than the amount sanctioned, using spread sheet technique (Filtering)

Sl.No	Item	Amount Sanctioned	Amount used	Difference
1	Program	2500	2610	
2	Reception	500	250	
3	Trophy	1000	1213	
4	Food	2000	1950	
5	Stage	1500	1340	

Scoring key

1. For typing text as directed -1 Score
 2. For typing the text 'Amount Sanctioned' in two lines using Wrap text tool -1 Score
 3. For finding the difference using formula -1 Score
 4. For using filter tool -1 Score
7. Item wise expenditure statement for one month in Ritus house is given in the table below. Merge Cells and type EXPENSE as given in the model.

Find the total expense using formula. Draw a pie diagram showing the expense of different items.

EXPENSE	
Commodity	Expense
Rice	450
Oil	112
Wheat	105
Sugar	36
Total	

Scoring key

1. For typing as directed - 1 Score
 2. For typing EXPENSE as in the model - 1 Score
 3. For finding total using formula - 1 Score
 4. For drawing pie diagram - 1 Score
8. Price of different items quoted by different companies in connection with the expansion a school computer lab is given in the following table. Type the table in a spread sheet as given in the model and find the total amount quoted by each company. Re arrange the table in ascending order. Draw a column graph showing the name of company and Total Cost.

Sl No	Company	Cost				Total
		Computer	Projector	UPS	T V	
1	Company 1	18800	49800	2200	9000	
2	Company 2	17500	62350	2000	10000	
3	Company 3	20000	42000	2400	9500	
4	Company 4	16800	45000	2000	11000	

Scoring Key

1. For typing the table - 1 Score
 2. For mering cells and typing - 1 Score
 3. For sorting the table - 1 Score
 4. For preparing Column graph - 1 Score
9. The vitamin contents of various vegetables are given in table below. Type the table in spread sheet and re arrange the able in such a way

that vegetable that contains vitamin C more, comes first. Insert one row above the table; merge cells and type vitamin chart as heading.

Vegitables	Karotine	Vitamin B1	Vitamin B2	Vitamin C
Beetroot	0	0.04	0.09	10
Cabbage	120	0.06	0.09	124
Tomato	192	0.07	0.01	31
Cauliflower	30	0.04	0.1	56

Scoring Key

1. For typing table - 1 Score
 2. For inserting row - 1 Score
 3. For merging cells and typing heading - 1 Score
 4. For sorting table - 1 Score
- 10) Percentage of literacy in India from 1981 to 2001 is given a table below. Insert a column to the left side of the table and add serial number using fill series technique. Draw a column graph showing the year wise literacy percentage.

Year	Percentage
1951	18.33
1961	28.33
1971	34.45
1981	43.57
1991	52.21
2001	65.38

Scoring Key

1. For typing table - 1 Score
 2. For Inserting Column - 1 Score
 3. For inserting serial number using fill series - 1 Score
 4. For Inserting graph - 1 Score
- 11) Students of the Kokkathode Govt. Higher Secondary School conducted a study about the Electricity consumption in 5 houses of that area and the data is given in the table below. Type the table in spread sheet and

rearrange the table in descending order of Electricity consumption. Find the current charge of electricity used in 2007 June at the rate of Rs.3/- per unit. Insert a column to the left side of the table and add serial number using fill series. Enter the text "Energy used in June 2007" in two lines in the cell, as shown below:

House No	Energy used June 2007	Current charge (Energy x 3)
H 161	22	
H 162	24	
H163	12	
H 164	18	
H 165	29	

Scoring key

1. For typing text and sorting - 1 Score
2. For inserting column and adding serial number using fill series - 1 Score
3. For using Wrap Text tool - 1 Score
4. For finding the Current Charge - 1 Score

12) Table given below shows how an average Indian spends his income. Type the table in spread sheet and add a row above the table. Merge two cells and type EXPENDITURE. Sort the table in alphabetical order. Insert a pie diagram that shows the expenses for different items.

Item	Amount (Percentage)
Food	40
Cloth	25
Travelling	5
Savings	10
Others	20

Scoring key

1. For typing the table and inserting a row -1 Score
2. For merging two cells and entering the word -1 Score
3. For inserting pie diagram -1 Score
4. For Sorting the table in alphabetical order -1 Score

13) Number of Turns in Primary (NP) and Secondary (Ns) of Five Transformers are given in the table below. Type the table in spread sheet.

Find out the secondary voltage (Vs) in each transformer when 250 Volt Primary voltage (Vp) is applied, using the formula (Secondary voltage (Vs) = VP x NS). Insert a row above the table,

NP

merge the cells and type the heading TRANSFORMER.

TRANSFORMER		
Np	Ns	Secondary Voltage =Vp*Ns/Np
1000	500	
2500	1500	
1000	3000	
1000	5000	
800	400	

Scoring Key

1. For Typing the table and inserting a row -1 Score
2. For merging the cells and entering the heading -1 Score
3. For finding the secondary voltage using formula -1 Score
4. For copying the formula in consecutive cells -1 Score

14) Human loss of different countries in Second World War is given in the table below. Type the table in Spread sheet. Insert a column in the left side of the table and enter serial number using fill series tool. Insert a column graph which showed the death rate in different countries. Find out the countries in which death was more than 40 lakhs, using filter technique.

Country	Total Death(in Lakhs)
Holland	60
Germany	42
Soviet Union	200
China	22
Japan	20

Scoring key

1. For typing the table and inserting new column - 1 Score
 2. For entering serial number using Fill series - 1 Score
 3. For inserting Graph - 1 Score
 4. For Using 'Filter' tool - 1 Score
- 15) School IT Corner conducted a 'Literacy Survey' in 5 wards of a Panchayath and the data is given in the table below. Type the table in

spread sheet and align centrally as shown in the table. Find the total number of educated persons in each ward. Find out the wards in which number persons having only SSLC is greater the 100, using Filter technique.

Ward	SSLC	HSE	Degree	PG	Total
1	90	40	25	10	
2	100	52	40	18	
3	98	42	30	8	
4	110	49	27	12	
5	102	38	31	16	

Scoring Key

1. For typing the Table in Spread Sheet - 1 Score
2. For aligning centre - 1 Score
3. For finding, Total - 1 Score
4. For Using 'Filter' tool - 1 Score