

**JKG INTERNATIONAL SCHOOL VIJAY NAGAR GHAZIABAD**  
**HOLIDAY HOME WORK(2018-19)**  
**CLASS XII(COMMERCE)**

**English Core:**

**FLAMINGO :**

1. What was tempting for Franz to keep away from school that day?
2. Who did M.Hamel blame for the neglect of learning on the part of boys like Franz?
3. What were Franz's regrets after M.Hamel announcement of his last lesson?
4. What changes did the order from Berlin cause in the school?
5. Explain the significance of the title LOST SPRING ?
6. Why could the bangle makers not organize themselves into a cooperative?

**VISTAS:**

- 1.How did the Tiger king celebrate his victory over the killing of the hundredth tiger?
2. What traits of the Maharaja and the british officer are exposed and satirized through the episode of refusal of permission for tiger hunt by the british officer?
- 3.Why was the Maharaja sunk in gloom? Was he able to overpower it?
- 4.How does the hundredth tiger take its final revenge upon the tiger king?
- 5.How did the Maharaja succeed in raising his tiger tally to ninety –nine?
- 6.Why was Dr.Sadao being kept in Japan and not sent abroad with the troops?
- 7.What dilemma did Sadao face about the young white man ?
- 8.How did the servants react when their master told them about the wounded white man?
- 9.What two things happened on the seventh day after that?
- 10.Why do you think did the old General not want Dr Sadao to be asserted?
- 11.What plan did the old General suggested to Dr Sadao for getting rid of the enemy soldier?

**Accountancy:**

1. Prepare a comprehensive project including following steps:-
  - i. Involvements of raw accounting information along with various accounting data and adjustments.
  - ii. Preparation of Journal, Ledger, trial Balance and Financial Statements.
2. Solve scanner questions [ chapter 1,2,3, 4 and 5]
3. Practice value based and evaluation questions.
4. Collect news-paper cutting of financial statement of a company.

**BST:**

1. Why management is considered a multi-faceted concept?
2. Mr.Taneja is the chairman of Navyug Ltd. which is involved in manufacturing New Year diaries since last two decades. He is responsible for the welfare and survival of the organization. On an average, if a diary cost rs.100 (including paper, printing, binding etc.)then company has a policy of selling it at MRP of rs.125,thereby earning a margin of 25%on cost. The management, in order to exploit the growth potential of the company fully, is planning to add table calenders and telephone diaries also. Due to this addition of new products, numbers of employees have to be

doubled and hence, sales volume would also increase. Different corporates are also giving bulk orders to the company. Reputation of the company is increasing day by day.

- (a) By quoting the lines from the above paragraph, list the objectives of the management mentioned.
  - (b) In which category the objectives of the management come?
  - (c) At what level Mr. Taneja is working. List any 4 functions of that level.
3. It refers to the use of scientific methods in decision making to resolve management problems rather than depending on rule of thumb or trial and error methods. Name it.
  4. 'The application of management principles is dependent upon the prevailing situation at a particular point of time'. State and explain the feature of management principle mentioned here.
  5. Explain the following:
    - (a) Science not the rule of thumb
    - (b) Discipline
    - (c) Subordination of individual interest to general interest
    - (d) Initiative
    - (e) Espirit de corps.
  6. Explain any five impacts of Government policy changes on business and industry in India.
  7. 'Environment provides both constraints and opportunities'. Discuss with the help of an example.
  8. Identify the type of dimensions in the following:
    - (a) Banks reducing interest rates on housing loans.
    - (b) Alcohol beverages are prohibited to be advertised on 'DoorDarshan'.
    - (c) Innovative techniques are being developed to manufacture water purifiers.
    - (d) MNCs getting permission to enter Indian market.
  9. Abhi started a business of manufacturing bed sheets and curtains. Although, he is good in planning but performance of his business is always below average and not does well. He analysed the problems and noticed some facts about his business. Once the plan is made, managers follow them blindly. Employees are only carrying out orders and not showing any initiative. Sanjay, his manager has a tendency to rely on previously tried and tested successful plans. Identify the limitations of planning which are referred here by quoting the lines from the given paragraph.
  10. In Chak de movie, Shahrukh Khan becomes the coach of the girls hockey team. He knows that he has to prepare the girls for the international hockey matches and win the cup. For this he prepares a long term plan and thinks of ways of how to defeat the opponent team. He coaches the girls to play in different ways like defensive, offensive etc. At the outset of the match, he explains who will open the match and how the ball will be passed by one player to the other step by step. What are the different types of plans discussed above? Also quote the lines for each type of plan identified.
  11. What does the term 'Span of management' refer to?
  12. Decentralisation is extending delegation to the lowest level. Comment.
  13. Neha runs a factory wherein she manufactures shoes. The business has been doing well and she intends to expand by diversifying into leather bags as well as western formal wear thereby

making her company a complete provider of corporate wear. This will enable her to market her business unit as the one stop for working women. Which type of structure would you recommend for her expanded organization and why?

14. Manu, a chief manager in a company using highly sophisticated machines and equipment, wants that every employee should be fully trained before using the machines and the equipments. Suggest and describe the best method of training that Manu can use for training of the employees.
15. Ms. Jayshree recently completed her post graduate diploma in Human Resource Management. A few months from now, a large steel manufacturing company appointed her as its human resource manager. As of now, the company employs 800 persons and has an expansion plan in hand, which may require another 200 persons for various types of additional requirements. Ms. Jayshree has been given the complete charge of the company's HRD.
  - (a) What function is she supposed to perform?
  - (b) What problems do you foresee in her job?
  - (c) What steps is she going to take to perform her job efficiently?
  - (d) How significant is her role in the organization?

### **ECONOMICS:**

Q 1- What will likely be the impact of MAKE IN INDIA and EDUCATION FOR ALL CAMPAIGN on the PPF of INDIA ?

Q2- Explain the central problem – what to produce , how to produce , for whom to produce.

Q3- A consumer consumes only two goods x and y. Marginal utilities of x and y are 5 and 4 respectively. The prices of x and y are Rs 4 per unit. Is the consumer in equilibrium. What will be the further reaction of the consumer? Explain.

Q4- How does a consumer reach equilibrium position when he is buying only one commodity? Explain with the help of marginal utility schedule.

Q5- How is the demand for a good affected by a rise in the prices of other goods? Explain.

Q6- A consumer buys 80 units of a good at a price of Rs 5 per unit. Suppose the price elasticity of demand is (-) 2. At what price will he buy 64 units?

Q7- When the price of a good is Rs 7 per unit, a consumer buys 12 units. When the price falls to Rs 6 per unit, he spends Rs 72 on the good. Calculate the price elasticity of demand by using the % method. Comment on the likely shape of the demand curve based on the elasticity.

Q8- Explain the relationship between TP and MP with the help of a schedule and a diagram and explain the causes of stages.

Q9- Difference between explicit cost and implicit cost.

Q10- Why does the minimum point of the AC curve fall to the right of the AVC curve?

Q11 – Why is the marginal cost curve “U” shaped?

## Hindi Core:

1. भक्तिन लेखिका के घर नौकरी करने क्यों आ गई?
2. भक्तिन के जीवन क्रम के बारे में लिखिए।
3. बाज़ार दर्शन से आप क्या समझते हैं?
4. लोगों से बाज़ार क्या कहता है?
5. यदि सूखा पड़ जाए तो लोगों के सामने किस प्रकार की स्थिति उत्पन्न हो जाती है?
6. 'काले मेघा पानी दे' पाठके आधार पर जल और वर्षा के अभाव में गाँव की दशाका वर्णन कीजिए।
7. यदि आप धर्मवीर भारती के स्थान पर होते तो जीजी के तर्क सुनकर क्या करते और क्यों?
8. लुट्टनसिंह को राज पहलवान की उपाधि कैसे मिली?
9. बीमारियों की विभीषिका से क्रंदन करता हुआ गांव और अधिक भयावह रूप किन परिस्थितियों में ग्रहण कर लेता था।
10. 'आत्मपरिचय' कविता का सार अपने शब्दों में लिखिए।
11. 'पतंग' कविता का सार अपने शब्दों में लिखिए।
12. 'कविता के बहाने' कविता का परिचय लिखिए।
13. वाई डी पंत का आदर्श कौन था ? उसके व्यक्तित्व की तीन विशेषताएँ लिखिए।
14. जूझ के कथानायक के चरित्र की तीन विशेषताएँ लिखिए।
15. 'अतीत में दबे पाँव' पाठ के आधार पर किन्ही तीन दृश्यों का परिचय दीजिए।

## Math:

### Chapter – 2

1. Find the value of :  $Cot\left[\frac{\pi}{2} - 2Cot^{-1}(\sqrt{3})\right]$
2. Find the value of :  $Tan^{-1}(\sqrt{3}) - Cot^{-1}(-\sqrt{3})$
3. Show that :  $Tan^{-1}\left(\frac{1}{2}\right) + Tan^{-1}\left(\frac{2}{11}\right) = Tan^{-1}\left(\frac{3}{4}\right)$
4. Solve for x :  $Tan^{-1}(x+1) + Tan^{-1}(x-1) = Tan^{-1}\left(\frac{8}{31}\right)$
5. Solve for x :  $Sin^{-1}(1-x) - 2Sin^{-1}(x) = \frac{\pi}{2}$

### Chapter – 3

1. If  $\begin{bmatrix} xy & 4 \\ z+6 & x+y \end{bmatrix} = \begin{bmatrix} 8 & w \\ 0 & 6 \end{bmatrix}$ , then find the value of  $(x+y+z)$
2. If  $A = \begin{bmatrix} 5 & 2 \\ 1 & 7 \end{bmatrix}$ , show that  $A^2 - 12A + 33I = 0$

3. If  $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$  and  $f(x) = x^2 - 5x + 6$ , find  $f(A)I$

4. If  $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ , then find  $A^2 - 5A + 4I$  and hence find a matrix  $X$  such that

$$A^2 - 5A + 4I + X = 0$$

5. If  $A = \begin{bmatrix} 1 & -1 \\ 2 & -1 \end{bmatrix}$  and  $B = \begin{bmatrix} a & 1 \\ b & -1 \end{bmatrix}$  and  $(A+B)^2 = A^2 + B^2$ , then find the values of  $a$  and  $b$ .

### Chapter – 4

1. Using properties of determinants, show that:

$$\begin{vmatrix} 1+a & 1 & 1 \\ 1 & b & 1 \\ 1 & 1 & 1+c \end{vmatrix} = abc \left( 1 + \frac{1}{a} + \frac{1}{b} + \frac{1}{c} \right) = abc + ab + bc + ca$$

2. Using properties of determinants, show that :  $\begin{vmatrix} a^2+1 & ab & ac \\ ab & b^2+1 & bc \\ ca & cb & c^2+1 \end{vmatrix} = (1+a^2+b^2+c^2)$

3. Using properties of determinants, show that :

$$\begin{vmatrix} 1+a^2-b^2 & 2ab & -2b \\ 2ab & 1-a^2+b^2 & 2a \\ 2b & -2a & 1-a^2-b^2 \end{vmatrix} = (1+a^2+b^2)^3$$

4. Solve by matrix method :  $\begin{cases} \frac{2}{x} - \frac{3}{y} + \frac{3}{z} = 10 \\ \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 10 \\ \frac{3}{x} - \frac{1}{y} + \frac{2}{z} = 13 \end{cases} \quad x \neq 0, y \neq 0, z \neq 0$

5. A school wants to award its students for the value of honesty, regularity and hard-work with a total cash award of Rs 6000. The three times award money for hard work added to that given for the honesty amount to Rs 11000. The award money given for honesty and hard-work together is double the one given for regularity. Represent the above situation algebraically and find the award money for each value, using matrix method. Apart from these values namely, honesty, regularity and hard-work, suggest one more value which the school must include for award.

### Chapter – 5

1. If a function defined as  $f(x) = \begin{cases} 3ax^2 + 5bx, & \text{if } x \geq 1 \\ 5ax - 3b + 18, & \text{if } x \leq 1 \end{cases}$  is differentiable, find the values of  $a$  and  $b$ .

2. If  $\sqrt{1-x^2} + \sqrt{1-y^2} = a(x-y)$ , then prove that  $\frac{dy}{dx} = \sqrt{\frac{1-y^2}{1-x^2}}$

3. If  $y = (x)^{\sin x} + (\tan x)^x$ , find  $\frac{dy}{dx}$

4. If  $y = 3\sin\theta - 2\sin^3\theta$  and  $x = 3\cos\theta - 2\cos^3\theta$ , find  $\frac{dy}{dx}$

5. If  $x^m y^n = (x+y)^{m+n}$ , Prove that  $\frac{dy}{dx} = \frac{y}{x}$ .

### Phy Education:

1) Make a practical field based on the following points --

i) Acknowledgement.

ii) Physical fitness -AAPHER.

iii) standard score chart for AAPHER test.

iv) Athletics Middle and long distance race and throws. (Any two events)

2)Health fitness activities -Asana/ Swiss ball/ Aerobics.

3)Draw a neat diagram of field/ court any one game ( Basketball, Hockey, kho-kho, Volleyball ).

i) History Of the game.

ii) Latest general rules.

iii) specification of play playfield and Related sport equipment.

iv) Fundamental skills of the game.

v) Related sports terminologies.

vi) Sports award.

vii) Important tournament and venues.

viii) Specific exercise of warm up.

ix) Common sports injuries and its prevention.

x) sport personality.

### Informatics Practices:

A programmer is required to develop a student record. The school offers two different streams, medical and non-medical, with different grading criteria.

The following is the data entry screen used to calculate percentage and grade.

The screenshot shows a window titled "Student Record". It contains the following elements:

- Input field for "First Term Marks" with a label "First Term Marks :".
- Input field for "Second Term Marks" with a label "Second Term Marks :".
- Input field for "Percentage" with a label "Percentage :".
- Input field for "Grade" with a label "Grade :".
- A "Stream" section with two radio buttons: "Medical" and "Non-Medical".
- A "Calculate Percentage" button next to the percentage input field.
- A "Calculate Grade" button next to the grade input field.
- "Clear" and "Exit" buttons at the bottom.

(1)Write the code to disable the txtPercentage and the txtGrade text fields.

(2) Write the code for the cmdClear button to clear all the text fields.

(3) Write the code for the cmdCalcPerc button to calculate the percentage to display in text field txtPercentage, after finding the total marks of first term and second term (assuming that both marks are out of 100).

(4) Write the code for the cmdCalcGrade button to calculate the grade to display in text field txtGrade, depending on the stream selected according to the criteria in the following table:

Stream	Percentage	Grade
Medical	$\geq 80$	A
	60 – 80	B
	$< 60$	C
Non Medical	$\geq 75$	A
	50 – 75	B
	$< 50$	C

### C. Art:

1. Earrings from beads/Quilling.
2. Pot decoration, 12" minimum
3. Any creativity from plastic bottle
4. Lamp Shade or Frame from CD/Buttons/Bulbs
5. Paper Bag
6. Prepare pages- Miniature, Story/Greetings/Kerala Mural