

**JKG INTERNATIONAL SCHOOL VIJAY NAGAR**  
**HOLIDAY HOME WORK,2019-20**  
**CLASS XI -COMMERCE**

**ENGLISH CORE**

- Q1 Complete the comprehension passage in pg no.24 and 28 in your practice paper.
- Q2 Complete the note making passage in pg no.51 of the practice paper.
- Q3 Complete both the notices in pg no.73 in your practice paper.
- Q4 Complete Q3 (POSTER WRITING) on pg.no87 of your practice paper.
- Q5 Complete the letter writing task on pg no.158 of your practice paper.
- Q6 Complete the article writing topic on pg no.168 of your practice paper.
- Q7 Give a pen portrait of your grandmother in pgno.290 of your practice paper.
- Q8 Correct the following sentences in pgno. 256 of your practice paper.
- Q9. Write an essay on the topic SOUTH KOREA –MY FAV. DESTINATION in 300 to 500 words on A4 size sheet?
- Q10. Write an article on the topic ,'WHAT MEASURES SHOULD BE TAKEN TO COMBAT CLIMATE CHANGE" in A4 size sheet.



11. Explain in detail the modifying principle?
12. What do you understand by consistency principle?
13. Write short notes on
  - A. prudence principle
  - B. dual aspect concept
14. Which principle is exception to full disclosure principle?
15. 'Closing stock is valued at lower of cost or realizable value; which principle of Accounting is applied here?
16. What is meant by GAAP?
17. Proprietor of the business is treated as creditor to the extent of his capital under which principle?
18. Under which principle the caliber or quality of the management is not disclosed in the balance sheet?
19. Name the concept, wherein revenue and cost is matched to identify profit of the business.
20. Give an example of a transaction which may be an expense for business and income for the businessman.

### ACCOUNTING EQUATION

#### 1. Prepare Accounting equation for the following transactions:

- (a) Raja commenced business with Cash ` 2, 50,000.
- (b) Purchased Furniture for cash ` 35,000
- (c) Paid Commission ` 2,000.
- (d) Purchased goods for Cash ` 40,000.
- (e) Sold goods (Costing ` 25,000) for ` 30,000.

#### 2. Prepare Accounting equation for the following transactions:

	Amt. (₹)
(a) Commenced business with cash	1,50,000
(b) Purchased Machinery on cash	40,000
(c) Purchased goods from Sunil	20,000
(d) Purchased Car for personal use	80,000
(e) Paid to Sunil on account	12,000
(f) Sold goods for cash costing `10,000 for	14,000
(g) Paid rent	3,000
(i) Commission received	1,500

**3, Prepare Accounting equation for the following transactions:**

- (i) Mohit started business with Cash 5,00,000 and goods `1,00,000
- (ii) Purchased Building for Cash ` 50,000
- (iii) Purchased goods from Himani ` 50,000
- (iv) Sold goods to Ashu (cost price ` 25,000) for ` 35,000.
- (v) Paid Life Insurance premium of Proprietor ` 3,000
- (vi) Rent paid ` 2,000 and Rent outstanding ` 1,000
- (vii) Depreciation on Building ` 5,000
- (viii) Cash withdrawn for personal use ` 4,000.
- (ix) Rent paid ` 6,000 out of which 1/3 is in advance
- (x) Commission received in advance `1,500
- (xi) Cash paid to Himani ` 47,000 in full settlement.
- (xii) Cash received from Ashu ` 33,000 in full settlement.

**4, Prepare Accounting equation for the following transactions**

- (i) Hemant started business with cash ` 1,00,000
- (ii) Open a bank account with SBI ` 30,000
- (iii) Purchased goods from Ashu ` 20,000
- (iv) Sold goods to Rahul for cash (costing Rs 5,000) for ` 4,000.
- (v) Bought goods from Tara for Cash ` 40,000
- (vi) Sold goods to Suman ` 20,000.
- (vii) Received cheque from Suman `19,500 in full settlement.
- (viii) Cheque given to ashu on account.
- (ix) Rent paid by cheque ` 2,000
- (x) Deposited into bank ` 16,000
- (xi) Machine purchased from Parichay `10,000
- (xii) Trade expenses paid ` 2,000
- (xiii) Cheque issued to Parichay ` 10,000
- (xiv) Paid telephone expenses by cheque `1,200

**5, Prepare Accounting equation for the following transactions**

- (i) Rajesh started business with cash ` 1,50,000
- (ii) Purchased goods for cash ` 35,000.
- (iii) Purchased goods from Rajan ` 15,000.
- (iv) Purchased Machinery ` 25,000.
- (v) Paid wages and salaries ` 20,000.
- (vi) Received commission ` 8,000.
- (vii) Withdraw cash for personal use ` 2,000.
- (viii) Sold goods (cost price ` 15,000) for ` 12,000.
- (ix) Sold goods on credit (Cost price ` 35,000) for ` 50,000
- (x) Paid to creditors ` 12,000
- (xi) Received from debtors ` 8,000.

**6, Prepare Accounting equation for the following transactions**

- (i) Started business with cash ` 70,000 and goods ` 50,000.
- (ii) Sold goods for cash ` 30,000 costing ` 40,000.
- (iii) Paid salary in advance ` 7,000.
- (iv) Purchased goods for cash ` 60,000 and on credit ` 52,000.
- (v) Paid rent ` 6,000 in cash and rent outstanding ` 2,000.
- (vi) Proprietor paid the fee of his children ` 6.000.
- (vii) Commission received in advance ` 6.000.
- (viii) Accrued interest ` 4,000.

**7, Prepare Accounting equation for the following transactions**

- (i) Started business with
  - Cash 1,60,000
  - Goods 50,000
  - Machinery 90,000
- (ii) Goods purchased from Ramesh 85,000
- (iii) Rent due but not paid as yet 5,000
- (iv) Sold goods to Vishal for cash (costing ` 32,000) for 40,000.
- (v) Paid cash to Ramesh in full settlement 83,000
- (vi) Prepaid insurance 2,000
- (vii) Further capital invested 50,000
- (viii) Depreciation on machinery @ 20%
- (ix) Received commission 500
- (x) Paid rent 3,000

**8, Prepare Accounting equation for the following transactions**

- (i) Amitabh started business with Cash ` 3,60,000 and Building ` 90,000
- (ii) Interest on capital ` 15,000.
- (iii) Machinery purchased ` 40,000
- (iv) Cash withdrawn from business for personal use ` 15,000.
- (v) Goods purchased on credit ` 30,000
- (vi) Paid to creditors ` 18,000
- (vii) Creditors accepted a bill of ` 12,000.
- (viii) Interest on drawings ` 5,000.
- (ix) Transfer from capital to loan ` 7,000.

## **BUSINESS STUDIES**

1. Name the type of partner who does not call himself partner but neither object when others call him as a partner of the firm.
2. Agrima bought a readymade dress for Rs.5000. Her friend liked the design of dress very much, so Agrima sold the same dress to her friend at Rs.5500 and made a profit Rs. 500. After completing her studies she opened a shop of selling readymade garments for girls.
  - (a) Can transaction between Agrima and her friend be termed as business?
  - (b) State the feature related to (a)
  - (c) Can the sale on the shop be called as business?
3. Name the economic activities in which the following people are involved.
  - (a) Ramesh, is practicing as a Chartered Accountant
  - (b) Rishab work as a senior manager in a bank.
  - (c) Rahul is running his gift and stationary shop.
4. "Profit is not only an objective but a requirement of business". Do you agree? Give reasons to support your answer.
5. Why is commerce considered as the "backbone of industry and other business activities"?
6. Which type of industry are poultry farms and dealing with saplings of plants?
7. What is Insurable risk? Give one example.
8. Ram and Shyam are running a confectionary shop in a mall. Both have invested a capital of Rs.5 lakhs each.

They share profits and losses in an equal ratio.

  - (a) Identify the form of business organisation under which Ram and Shyam are running their business.
  - (b) State any 2 merits of this form of business organisation.
9. Prepare a planter using waste material.
10. Make any one article based on 'best out of waste' theme.

## ECONOMICS

Q1. "Statistics is defined as aggregate of numerical facts. Give few examples

Q2. Explain the limitations of Statistics? (Any three)

Q3. Differentiate between Primary and Secondary data?

Q4. What is meant by Questionnaire? What is the difference between questionnaire and Schedule?

Q5. Differentiate between Census and Sample Method?

Q6. Prepare the frequency series of the ages of 25 students of class XI in your school.

15,16,16,17,18,18,15,15,16,16,17,15,16,16,15,16,16,15,17,17,18,19,16,15

Q7. Following are the marks obtained by 25 students in Statistics. Prepare a frequency distribution by taking a class interval of 4 on exclusive basis.

5	6	8	10	11	13	6	8	5	13
8	10	3	18	6	8	5	16	11	8
5	8	5	8	6					

Q8. For the following raw data prepare a frequency distribution with a class interval of 5 on inclusive basis:

12	36	40	16	10	10	19	20	28	30
19	27	15	21	33	45	7	19	20	26
26	37	6	5	20	30	37	17	21	20

Q9. the following series into a simple frequency distribution:

Mid Value	5	15	25	35	45	55
Frequency	2	8	15	12	7	6

Q10. Explain the main parts of Table?

Q11. Describe the four general guidelines for the construction of a table.

Q12. Make a bar diagram of the following data on India's Population?

Year	1971	1981	1991	2001	2011
Population(cr)	54.8	68.3	84.6	102.8	121.0

Q13. Make a multiple bar diagram of the following data:

Faculty	2015-2016	2016-2017	2017-2018
Arts	600	550	500
Science	100	500	600
Commerce	200	250	300

Q14. Present the following data in form of Sub divided bar diagram:-

Year	Wheat	Rice	Gram	Total
2017	30	20	10	60
2018	45	30	15	90

Q15. Present data in form of circular diagram:-

Items	Labour	Brick	Cement	steel	Timber	Supervision
Percentage expenditure	25	15	20	15	10	15

Q16. Construct Time Series graph to present the following data:

Months	Jan	feb	Mar	April	May
Sales(Rs 000's)	120	160	130	145	150

Q17. Construct time series graph to present the following data:-

Years	2001	2002	2003	2004	2005
Expenditure(Rs Lakhs)	14	18	28	20	10
Income(Rs Lakhs)	16	20	32	24	12

Q18. What are general rules for constructing graphs?

Q19. Draw Pie Diagram from following data.

Status	Marginal Worker	Main Worker	Non-Worker
Population(cr)	9	31	62

Q20. Draft set of questionnaire(10 questions) Of the following topic:-

**Consumer Awareness**

(In relation to products Shampoo/Washing powder)

**Maths:**

1. Revise Chapter 1, 2 and 3 from NCERT Text Book.
2. Solve Chapter 1, 2 and 3 from Exemplar Published by NCERT in a separate notebook.
3. Learn 120 formulae of trigonometric function which are given in the class.
4. Prepare a chart on any one of the given topics :-Sets, relation & function, and trigonometry or related to maths.

**PHY. EDU.**

1. Make a chart on any one game
2. Yoga
3. Badminton
4. Athletic
5. Judo
6. Table tennis

**COMMERCIAL ART**

Note: Write all answers in a separate notebook and learn well.

- Q1. Definition of colours.
- Q2. Definition of Arts by scholars.
- Q3, Expression of colours.
- Q4. Calligraphy
- Q5. Colour Chart
- Q6. Prepare Educational poster on following themes (On half imperial sheet and half chart paper)
  - (i) Swach bharat
  - (ii) Save Environment
  - (iii) Save Girl Child
  - (iv) Scenery (Landscape)

## CHEMISTRY

1. Do all ques (exercise and intext) of chapter 1, 2 & 14 from NCERT textbook.
2. Prepare investigatory project file.
3. Ques for practice:
  - i) A welding fuel gas contains carbon and hydrogen only. Burning a small sample of it in oxygen gives 3.38 g carbon dioxide, 0.690 g of water and no other products. A volume of 10.0 L (measured at STP) of this welding gas is found to weigh 11.6 g. Calculate
    - a. empirical formula,
    - b. molar mass of the gas, and
    - c. molecular formula.
  - ii) Calculate the amount of water (g) produced by the combustion of 16 g of methane. reaction.
  - iii) How many moles of methane are required to produce 22 g CO<sub>2</sub> (g) after combustion?
  - iv) A compound contains 4.07 % hydrogen, 24.27 % carbon and 71.65 % chlorine. Its molar mass is 98.96 g. What are its empirical and molecular formulas?
  - v) What is the concentration of sugar (C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>) in molL<sup>-1</sup> if its 20 g are dissolved in enough water to make a final volume up to 2L?
  - vi) If the density of methanol is 0.793 kg L<sup>-1</sup>, what is its volume needed for making 2.5 L of its 0.25 M solution?
  - vii) A sample of drinking water was found to be severely contaminated with chloroform, CHCl<sub>3</sub>, supposed to be carcinogenic in nature. The level of contamination was 15 ppm (by mass).
    - a. Express this in percent by mass.
    - b. Determine the molality of chloroform in the water sample.
  - viii) The density of 3 M solution of NaCl is 1.25 g mL<sup>-1</sup>. Calculate molality of the solution.
  - ix) How are 0.50 mol Na<sub>2</sub>CO<sub>3</sub> and 0.50 M Na<sub>2</sub>CO<sub>3</sub> different?
  - x) Calculate the molarity of a solution of ethanol in water in which the mole fraction of ethanol is 0.040 (assume the density of water to be one).
  - xi) Electrons with a kinetic energy of  $6.023 \times 10^4$  J/mol are evolved from the surface of a metal, when exposed to a radiation of wavelength of 600 nm (photoelectric effect). The minimum amount of energy required to remove an electron from the metal atom is :
  - xii) How do you calculate the wavelength of the light emitted by a hydrogen atom during a transition of its electron from the n = 4 to the n = 1 principal energy level?

- xiii) Write electronic configuration of first 30 elements of periodic table.
  - xiv) Draw boundary diagram of s, p & d subshells.
4. Green Chemistry encourages the design of products and processes that minimize the use and generation of hazardous substances. Think of ways to introduce Green Chemistry in the practical. Submit your suggestions in soft copies.

## I.P

AccNo	Cust_Name	Loan_Amount	Instalments	Int_Rate	Start_Date	Interest
1	R.K. Gupta	300000	36	12.00	19-07-2009	
2	S.P. Sharma	500000	48	10.00	22-03-2008	
3	K.P. Jain	300000	36	NULL	08-03-2007	
4	M.P. Yadav	800000	60	10.00	06-12-2008	
5	S.P. Sinha	200000	36	12.50	03-01-2010	
6	P. Sharma	700000	60	12.50	05-06-2008	
7	K.S. Dhall	500000	48	NULL	05-03-2008	

Questions:

- 1) Create the database Employee\_LOANS
- 2) Use the database Employee\_LOANS
- 3) Create the table Loan\_Accounts and insert tuples in it.
- 4) Display the details of all the loans
- 5) Display the AccNo and Loan\_Amount of all the loans started before 03-05-2009
- 6) Display the Int\_Rate of all the loans started after 01-09-2009.
- 7) Display the details of all the loans whose rate of interest is NULL.
- 8) Display the details of all the loans whose rate of interest is not NULL
- 9) Display the amounts of various loans from the table Loan\_Accounts. A loan amount should appear only once
- 10) Display the number of instalments of various loans from the table Loan\_Accounts. An instalment should appear only once

## **BIOLOGY**

1. Prepare a Herbarium file.

2. Learn chapters 1,2,3

3. Answer the following questions in Biology Assignment notebook.

1. Write the scientific name of Housefly and mango.
2. Why are Brown algae Brown?
3. Write the Economic importance of eubacteria.
4. What are methanogens? Why are they named so ?
5. How does keys helpful in classification of organisms
6. Define metabolism. Explain with example.
7. Who proposed five kingdom classification & explain the five kingdom classification system.
8. Why mosses produce large no. of male gametes. Write the name of male gamete.
9. Write short note on parasitic plants with example.
10. What does phycobiont & mycobiont signify in Lichen.
11. Define Systematics.
12. Define Biodiversity. What is the need to conserve Biodiversity?
13. Draw a well labeled diagram of Bacteriophage virus. How does it attach with the wall of host
14. Explain the life cycle of Bryophytes with the help of well labelled diagram.
15. Why there arises need to classify organisms?
16. A virus is considered as living organism & an obligate parasite when inside a host cell but virus is not classified with bacteria and fungi. What are the characteristics of virus that are similar to non living objects?
17. As its necessary for a microbe to be in close association with a plant to provide mineral, nutrition? Explain with the help of example.
18. In spite of all the complexities why Sexual mode of reproduction considered as best mode of reproduction?
19. Define Dikaryotic phase of fungi.
20. What does ploidy means? Write ploidy of:-
  - a. Pollen Grain
  - b. Antheridium
  - c. Archegonium

d. Zoospore

## **POLITICAL SCIENCE**

### **INSTRUCTIONS:**

1. The complete homework has to be done on the A-4 size lining sheet
2. Make a cover page and mention your name, class, section.
3. Make your homework attractive using blue, black gel pens, glitter pens and rayons.
4. Various sources of information like internet, newspaper, magazines and books can be used as reference.

Collect information about the general election (2019) including the following:-  
Political Parties with their symbols/No of seats won by political parties in Lok Sabha/Manifesto of  
different political parties/ main leaders of the political parties/ criminal records of the leaders etc.

**Also collect the complete information and pictures of 2019 general elections through various surveys, exit polls, news articles, editorials etc.(from news papers)**

## **HISTORY**

1. Define the concept of Fossils.
2. Who were Primates.
3. Write any two features of Primates
4. What is the key difference between the hominoids and monkeys.
5. What is the difference between Australopithecus and Homo.
6. What do you mean by Homo Erectus.
7. What do you understand by Homo sapiens.
8. What do you know about Homo Heildelbergensis.
9. What do you mean by the concept of gathering and scavenging.
10. How did early man procure his food? Explain.
11. Where is Mesopotamia
12. What is the meaning of Mesopotamia
13. Describe the geographical conditions of Uruk in 30 words.
14. Discuss the status of slave in society.
15. Discuss the main features of the city of Babylonia

## Physics

1. Determine  $(\pi)^2$  with due regard for significant figures. given  $\pi = 3.14$
2. Are all dimensionally correct equations numerically correct? Give an example
3. Give the dimensional formula for torque.
4. The time of oscillation( $t$ ) of a small drop of liquid under surface tension( $\sigma$ ) depends upon the density( $\rho$ ) radius ( $r$ ) and surface tension( $T$ ) prove dimensionally that  
$$t = (\rho r^3 / \sigma)^{1/2}$$
5. By using the method of dimension, check the accuracy of the following formula:  
 $T = (r\rho h g) / 2 \cos \theta$ , where  $T$  is the surface tension,  $h$  is the height of the liquid in a capillary tube  
 $\rho$  is the density of the liquid,  $g$  is the acceleration due to gravity,  $\theta$  is the angle of contact and  $R$  is the radius of the capillary tube.
6. The radius of curvature of a concave mirror measured by perimeter is given by  $R = L^2/6h + h/2$ .  
the values of  $L$  and  $h$  are 4cm and 0.065cm respectively. Compute the error and measurement of radius of curvature.
7. A planet moves around the sun in a circular orbit. The time period of revolution  $T$  of the planet depends on
  - (i) Radius of the orbit ( $R$ )
  - (ii) mass of sun ( $M$ )
  - (iii) Gravitational constant  $G$show dimensionally that  $T^2$  is proportional to  $R^3$
8. If two resistances of values  $R_1 = (2 (+) 0.1)$  ohms and  $R_2 = (13.3 (+) 0.2)$  ohms are put
  - (i) in parallel and (ii) in series, find equivalent resistance.
9. state the number of significant figures in the following :
  - (a) 0.007
  - (b)  $2.64 \times 10^{24}$ kg
10. Can three non coplanar vectors give zero resultant? Why ?
11. Name the physical quantity which remains same in a uniform circular motion
12. What is the angle between velocity vector and acceleration vector in uniform circular motion
13. State for each of the following physical quantities, if it is scalar or a vector: volume, mass ,speed, acceleration, density, number of moles, velocity, angular frequency ,displacement, angular velocity
14. Find equals to  $a$  plus  $b$  minus  $2k$  and  $b = 2i + 2j - 3k$

15. Direction of vector (A-B) same as that of vector (B-A)

16. What are co-initial and collinear vectors

17. For any arbitrary motion in space which of the following relations are true

(a)  $v_{\text{average}} = (1/2) [v(t_1) + v(t_2)]$

(b)  $v_{\text{average}} = [r(t_2) - r(t_1)] / (t_2 - t_1)$

(c)  $v(t) = v(0) + at$

(d)  $r(t) = r(0) + v(0)t + (1/2) at^2$

(e)  $a_{\text{average}} = [v(t_2) - v(t_1)] / (t_2 - t_1)$ .

18. State parallelogram law of vector addition. Show that resultant of two vectors A and B inclined at an angle  $\theta$  is equals to  $R = (A^2 + B^2 + 2AB\cos \theta)^{1/2}$

19. Suppose you have two forces F and F , how would you combine them in order to have resultant force of magnitudes

(a) zero (b) 2F (c) F

20. What is the projection of  $i+j$  and  $i-j$

## हिन्दी

- प्र. 1. नमक का दरोगा पाठ का सारांश अपने शब्दों में लिखो।
- प्र. 2. चार्ट पेपर पर चित्र सहित मीराबाई के पद्यश्रों को लिखिए।
- प्र. 3. चित्र सहित कबीरदास की जीवनी ए-4 सीट पर लिखिए।
- प्र. 4. 'देश प्रेम' पर आधारित दो कविताओं को सचित्र ए-4 सीट पर लिखिए।
- प्र. 5. अपने शहर की टूटी-फूटी सड़कों की दयनीय दशा का उल्लेख करते हुए संबंधित अधिकारियों का ध्यानाकर्षित करते हुए नवभारत टाइम्स के संपादक को पत्र लिखिए।
- प्र. 6. पाठ-1 कबीरदास व पाठ-2 मीराबाई के प्रश्नों को याद करें।
- प्र. 7. लता की गायकी की विशेषताएं लिखिए।
- प्र. 8. 'गानपन' का क्या अर्थ है? इसे प्राप्त करने के लिए किस प्रकार के अभ्यास की आवश्यकता है?