



SUMMER VACATIONS HOMEWORK (2018-19)
CLASS – XI COMMERCE

ENGLISH

“Practice daily because the quality of your practice determines the caliber of your performance”

The importance of holiday homework to reinforce learning can never be undermined. It is an effective tool to hone your creative skills and widen your mental horizon. It serves as a window through which you can monitor your progress effectively and aim for perfection to improve your score.

Cognitive Arena to hone your mental skills :(one chapter daily)

The summer of the beautiful White Horse:

1. “A man could be the father of his son’s flesh, but that did not mean that he was the father of his spirit.” Do you agree with this statement? Discuss in detail.
2. Why did the narrator say that “the spirit” of his tribe was being capricious and vagrant?
3. Aram justified that their stealing the horse was not actually stealing. Do you agree? Discuss in detail.
4. “A suspicious man would believe his eyes instead of his heart.” Who said these words? Why?

The Address:

5. What human values does Mrs. S possess, unlike Mrs. Dorling? Explain with the reference to the chapter, “The Address”.
6. Betrayal of trust is an evil which may afflict people of any time or any age. Discuss this statement in the context of the chapter “The Address”.
7. “I was absolutely not interested in all that stored stuff.” Who was not interested? Why?
8. Compare and contrast Mrs. Dorling with Mrs. S.

A Photograph:

9. What can you say about the childhood of the poet’s mother? Discuss in detail.
10. Comment on the tone of the poem.
11. “Both wry with the labored ease of loss.’ The poet is missing her mother. What is the role of the mother in forming the personality of the child? Describe in detail.
12. Happy moments are short-lived but they provide a lifetime memory. They provide a cushion to bear the difficulties which the future has in store for you. Comment in the light of the poem ‘A Photograph’ by Shirley Toulson.

The Portrait of a Lady:

13. The grandmother’s farewell and reception of her grandson were very touching. Comment.
14. Write a character sketch of the grandmother, highlighting her values.
15. The chapter “The Portrait of a Lady’ displays the sad reality of old age. Old people face loneliness and seclusion. It gets you thinking about the pain of old age. After taking inputs from your grandparents, write about the joys and pain of old age experienced by them.

Writing Section to enhance your skills :(Two Questions daily)

1. As the In charge of Sunrise School Delhi, write a notice informing the students of class XI about the conduct of remedial classes in the upcoming month. Provide the necessary details.
2. A Blood Donation Camp is going to be set up in Nehru Colony. As the Secretary of the RWA of the colony, draft a notice asking and encouraging the residents to take part in the cause. Provide the necessary details.
3. You are General Manager of Panache Export House, New Delhi. You want to appoint a Personal Assistant for your company. Draft a suitable advertisement.
4. You would like to sell your old car as you are planning to buy a new one. Draft a suitable advertisement to be published in a local daily.
5. You have lost your mobile phone while travelling in Delhi Metro. Draft an advertisement giving all relevant details and promising a reward.
6. You are the Manager of Cox and Kings and have organized a 3 nights/4 day's package for Dubai. Draft the advertisement for a national daily to draw people's interest towards it.
7. You are working for an advertising agency. Draft an appealing advertisement for launching a new toothpaste. Give its features and benefits.

PPT MAKING ACTIVITY:

Make a Power Point Presentation on any topic given below

1. Poem 'A photograph'. Make a presentation on The Poet Shirley Toulson and the values you have learnt from the Poem.
2. 'The Portrait of a Lady': Make a presentation on Khushwant Singh/the role of grandparents in our lives/synopsis of the chapter and values imbibed from it.
3. The Summer of a beautiful White Horse: Make a presentation on William Saroyan/ the values learnt from the chapter/the synopsis of the chapter.
4. The Address: Make a presentation on the life of Marga Minco/the impact of war on the lives of people/ the synopsis of the chapter/character sketch of Mrs. S and Mrs. Dorling.

Day 1, Suggested Time taken – 15 minutes

NOTE MAKING:

Read the passage given below carefully:

Good decoration reflects the personality of the people who live in the home. It should, first of all, be distinctive, just as each person is distinctive. A home should have unity not only within each room but also throughout the house. Rooms should, to some degree, harmonize with each other. The color and styling of each room, particularly, should fit into the color and styling of the rooms which run out of it. Attractive home furnishings set the stage for pleasant living. If they are an expression of yourself, you will have a feeling of satisfaction every time you enter your home, and friends will share your enjoyment.

However, furnishings and surroundings expressive of just the right note of restfulness, gay informality, or elegant simplicity are not often assembled by accident. Even enthusiasm alone is not enough. For most home decorators, it takes poring over plans, trying color schemes, finding ingenious ways to make the best of what you have, and shopping around to search out just the right purchases at prices

you can afford to pay. But there is keen pleasure in striving for the perfect result, and great satisfaction in achieving it.

A successful house and successful rooms will depend upon the proper relationship of each element in it to the others and to the whole. Therefore, in selecting each piece it is important to consider the background, the usage, the draperies, the floor covering, the upholstering materials, the woods, shapes, color scheme, and the feeling you prefer for the room.

Work and plan to enjoy in your house. Limit the expenditures of time, effort and money to the extent of your abilities, so that just running the house doesn't dominate your life. Elegance and delicate things may be a drain you can afford only in a limited way. If you can't afford outside help, select a house and furnishings that require less care. Plan your activities so that tumult and upset are limited.

You can select a pleasing combination of colors from a wallpaper, a fabric, a flower or scene, or even a picture in a magazine. If you don't already have the furniture, it is a good idea to make up a color scheme in this way. Let one color predominate. Limit a color scheme to two or three colors, with white or gray tones.

(a) On the basis of your reading of the above passage, make notes on it, in points only using headings and sub-headings. Also use recognizable abbreviations wherever necessary (Minimum 4). Supply a suitable title to it.

(b) Write a summary of the above passage in about 80 words

Day 2:

NOTE MAKING AND ABSTRACTION:

Read the passage given below:

A good business letter is one that gets results. The best way to get results is to develop a letter that, in its appearance, style and content, conveys information efficiently. To perform this function, a business letter should be concise, clear and courteous.

The business letter must be concise: don't waste words. Little introduction or preliminary chat is necessary. Get to the point, make the point, and leave it. It is safe to assume that your letter is being read by a very busy person with all kinds of papers to deal with. Re-read and revise your message until the words and sentences you have used are precise. This takes time, but is a necessary part of a good business letter. A short business letter that makes its point quickly has much more impact on a reader than a long-winded, rambling exercise in creative writing. This does not mean that there is no place for style and even, on occasion, humour in the business letter. While it conveys a message in its contents, the letter also provides the reader with an impression of you, its author: the medium is part of the message.

The business letter must be clear. You should have a very firm idea of what you want to say, and you should let the reader know it. Use the structure of the letter—the paragraphs, topic sentences, introduction and conclusion—to guide the reader point by point from your thesis, through your reasoning, to your conclusion. Write in Paragraph to break up the page and to lend an air of organization to the letter. Use an accepted business-letter format. Re-read what you have written from the point of view of someone who is seeing it for the first time, and be sure that all explanations are adequate, all information provided (including reference numbers, dates, and other identification). A clear message, clearly delivered, is the essence of business communication.

The business letter is your custom-made representative. It speaks for you and is a permanent record of your message. It can pay big dividends on the time you invest in giving it a concise message, a clear structure, and a courteous tone.

2.1. Make notes on the passage using recognizable abbreviations in any suitable format. Give a title to the passage.

2.2. Make a summary of the passage.

ACCOUNTANCY

1. Project Work:

Accounting is an art of recording financial nature business transactions by following a particular process. So let us understand this process:

Assuming yourself as an Accountant of a business (select anyone), develop any 20 transactions, decide and prepare / obtain the supporting vouchers required, on the basis of them prepare Accounting Vouchers, then prepare journal and ledger.

Compile your workings in the form of a file neatly which will be marked in practical for half yearly exam and must be submitted by 3rd July, 2018.

2. Do the assignment in your register in proper format.

1. Pass Journal Entries for the following :—

- a) Proprietor withdrew for his personal use cash Rs.20, 000 and goods worth Rs.10, 000.
- b) Goods for Rs.50, 000 were given away as charity. (Sale price Rs.60,000)
- c) Goods worth Rs.25, 000 were distributed as free samples.
- d) Goods worth Rs.50, 000 and cash Rs.20, 000 were stolen by an employee.
- e) Goods worth Rs.1, 00,000 were destroyed by fire. Insurance Company admitted and paid claim for 60% amount.

2. Journalize the following transactions in the books of Harpreet Bros :

- a) Rs.10, 000 due from Rohit are now bad debts.
- b) Goods worth Rs. 20,000 were used by the proprietor.
- c) Charge depreciation @ 10% p.a. for two months on machine costing Rs.3, 00,000.
- d) Provide interest on capital of Rs.15, 00,000 at 6% p.a. for 9 months.
- e) Rahul who owed us Rs.20, 000 becomes insolvent and a final dividend of 60 paise in a rupee is received from his estate.
- f) Goods costing Rs.80, 000 sold to Mohan for Rs.1, 00,000.

3. Journalize the following transactions in the books of Gopal:

- a) Purchased goods from Raghav for Rs.40, 000 and paid Cgst @ 8%.
- b) Sold goods costing Rs.60, 000 to Dinesh for Cash at a profit of 40% on cost less 20% Trade Discount and charged 8% Cgst and paid carriage Rs.500 (not to be charged from the customer).
- c) Sold goods costing Rs.45,000 to Manoj at a profit of 33 1/3 % on cost less 20% Trade Discount and charged 8% Cgst and paid carriage Rs.400 (to be charged from the customer),
- d) Paid by Cheque Rs.6, 000 as fire insurance premium for a period of 12 months starting 1st July 2010. Financial year closes on 31st March every year.
- e) Spent Rs.300 for refreshment of a customer.

4. Journalize the following transactions in the books of Varsha Ltd.
- Purchased goods from Azad Ltd. for Rs.40, 000 less trade discount 15% plus sgst @ 10%.
 - Sold goods costing Rs.9,000 for Rs.12,000 and charged sgst @ 10%. Payment is received by cheque which is immediately deposited into bank.
 - Sold the balance goods to Vishal Ltd. For30, 000 plus sgst @ 10%.
 - Deposited the sgst into Government Account through cheque.

5. Journalize the following : 2012

- March 1 Ganesh invested Rs.2, 00,000 in business of general stores.
March 2 Paid into Current Account Rs.1, 20,000.
March 4 Purchased goods for Rs.60, 000 and paid Rs.2, 000 for carriage on these goods.
March 6 Purchased goods for Rs.1, 00,000 on credit from Raghunath Brothers, paid Rs.1, 200 for carriage on these goods.
March 10 Purchased machinery for Rs.10,000 and spent Rs.100 for its carriage.
March 13 Payment made to Raghunath Brothers by cheque after getting 10% discount for prompt payment.
March 16 Additional cash introduced by the proprietor Rs.50, 000.
March 17 Spent Rs.25, 000 for show-case.
March 20 Purchased goods from Ravi for Rs.12, 000 and the payment was made by cheque
March 22 Sold 1/5 of above goods at a profit of 33 1/3 % on cost.
March 28 Bank charges for its services Rs.200.

6. Pass Journal entries in the books of Raghunath from the following transactions :— 2011

- June 1 Raghunath started business with cash Rs.80, 000; Goods Rs.40, 000 and furniture Rs.20, 000.
June 2 Sold goods to Nandlal of the list price of Rs.20, 000 at trade discount of 10%.
June 4 Nandlal returned goods of the list price of Rs.4, 000.
June 8 Received from Nandlal Rs.14, 150 in full settlement of his account.
June 10 Purchased goods from Brij Mohan of the list price of Rs. 10,000 at 15% trade discount.
June 13 Returned goods to Brij Mohan of the list price of 1,000.
June 16 Settled the account of Brij Mohan by paying cash, under a discount of 4%.
June 18 Purchased goods from Anil Rs.5, 000; Sunil Rs. 10,000.
June 19 Paid cash to Anil X 1,900 and discount received Rs.100.
June 20 Paid Rs.9, 800 to Sunil in full settlement of his account.
June 20 Bought a Table Fan' for Rs.1, 200 for the domestic use of Raghunath.

- June 25 Sold goods for cash of the list price of Rs.8,000 at 10% trade discount and 3% cash discount.
- June 30 Paid Rent Rs.800; Trade Expenses Rs.700 and Travelling Expenses Rs.380.

7. Record the following transactions in the Journal of Shyam Sunder :—
2012

- April 1 Shyam Sunder started business with Cash Rs.75,000; Goods Rs.30,000 and Furniture Rs.5,000.
- April 2 Sold goods to Bhushan of the list price of Rs.10,000 at trade discount of 10%.
- April 5 Bhushan returned goods worth Rs.1,000.
- April 10 Received from Bhushan Rs.8,000 in full settlement of his account.
- April 12 Purchased Furniture for Rs. 6,000.
- April Purchased goods from Navin for Rs.25,000 less trade discount 12%.
- April 15 Returned goods to Navin goods of the list price of Rs.2,000.
- April 16 Cleared the account of Navin by paying cash, under a discount of 5%.
- April 17 Sold goods to Ajay Rs.10,000 and Vijay Rs.16,000.
- April 20 Received cash from Ajay Rs.9,800 in full settlement of his account.
Paid insurance premium Rs.750.
- April 22 Paid for Shyam Sunder's Life Insurance Premium Rs.1,200.
- April 24 Purchased goods for Rs.8,000 for cash at a trade discount of 10% and cash discount of 2%.
- April 25 Received cash from Vijay at a cash discount of 5% in full settlement of his account.
- April 30 Paid Rent Rs.800; Advertisement Rs.1,000; and Salaries Rs.4,000.
- April 30 Received Commission Rs.500.

8. The following balances appeared in the books of Vishal Stores on 1st April, 2011: X Assets:- Cash Rs.15,000; Bank balance Rs.5,000; Stock Rs.40,000; Furniture Rs.3,600; Debtors Rs.24,000 (X Rs.6,000; Y Rs.8,000 and Z Rs.10,000).
Liabilities : Bank Loan Rs.10,000; Creditors Rs.12,500 (Ajay Rs.5,000, Vijay Rs.7,500).

Following transactions took place during April 2011 :

- April 2 Bought goods from Kailash for 20,000 at a trade discount of 10% and cash discount of 2%. Paid 60% amount immediately.
- April 4 Sold goods to X for Rs.9,000.
- April 5 Received Rs.14,800 from X in full settlement of his account
- April 6 Cash deposited into bank Rs.10,000.
- April 8 Cheque received from Y for Rs.7,850 in full settlement of his account This cheque was immediately deposited into bank.

April 10	Received a cheque from Z Rs.2,000.
April 12	Cheque received from Z deposited into bank.
April 15	Cheque received from Y dishonoured.
April 16	Cash sales Rs.15,000; Out of this amount Rs. 12,000 deposited into bank.
April 16	Amount due to Ajay paid by Cheque.
April 18	Old newspapers sold Rs.50. Old furniture sold Rs.750
April 20	Z became insolvent and 40 paise in a rupee could be received from his estate.
April 22	Purchased goods from Gopal and paid by cheque Rs.8,000.
April 24	Sold half of the above goods to Chanderkant at a profit of 30% on cost.
April 25	Proprietor withdrew for private use Rs.2,000 from office and Rs.3,000 from bank.
April 30	Paid salary to Motilal by Cheque Rs.2,000.
April 30	Paid Rent by cheque Rs.1,500.
April 30	Paid trade expenses Rs.500.

BUSINESS STUDIES

1. PROJECT WORK

- a) Visit any Bank, learn the procedure of opening a saving bank account in that bank, compile your findings in a file with all the details like the documents to be submitted with bank to open account and the forms to be filled, who can open account, etc. Also find the types of accounts provided by the bank and the facilities provided collect the brochures and related documents and attached in the file.
- b) Visit any site of an Insurance company, find out the different policies provided by the company and compile your learning as a project report and submit on 3rd May 2018 to be evaluated for Half Yearly Practical Exam.

2. Write the answer of following questions in your notebook and submit it on 3rd July 2018.

• **Very Short Answer type Questions:**

Q.1 For which of the following types of business do you think a sole proprietorship form of organization would be more suitable, and why?

- | | | |
|-------------------|-------------------|---------------------------------|
| (a) Grocery store | (b) Medical store | (c) Legal consultancy |
| (d) Craft center | (e) Internet café | (f) Chartered accountancy firm. |

Q.2 Sole trade is good for which type of business?

Q.3 For which of the following types of business do you think a partnership form of organization would be more suitable, and why?

- | | | |
|-------------------|--------------------|-----------------------|
| (a) Grocery store | (b) Medical clinic | (c) Legal consultancy |
|-------------------|--------------------|-----------------------|

(d) Craft center (e) Internet café (f) Chartered accountancy firm

Q.4 Explain the following terms in brief

(a) Perpetual succession (b) Common seal (c) Karta (d) Artificial person

Q.5 JHF business is based on which two types of characteristics?

Q.6 What is meant by ‘partner by estoppel’? Explain.

Q.7 If registration is optional, why do partnership firms willingly go through this legal formality and get themselves registered? Explain.

Q.8 Distinguish between partnership and sole proprietorship on the basis of:

(a) Number of members (b) Capital Contribution (c) Secrecy

Short Answer Question

1. Varun is the only owner of his restaurant. Name the form of business organization.
2. Name the form of organization found only in India .
3. List two merits of Sole proprietorship.
4. Name any one business in which sole proprietorship is most suitable.
5. Name the type of partnership which is formed to accomplish a specific project for a specific time.
6. State any one consequence of non-registration of a partnership firm.
7. What is the minimum number of persons required to form a cooperative society?
8. .Name the type of company which can invite the public to subscribe for the shares or debentures.
9. Name the process by which a joint stock company is registered.
10. Name the document which defines the object and powers of the company.

MATHEMATICS
CHAPTER-3 (TRIGONOMETRIC FUNCTIONS)

1. find the principal solutions of each of the following equations:

a) $\sin x = \frac{\sqrt{3}}{2}$ b) $\cos x = -\frac{1}{2}$ c) $\tan x = \sqrt{3}$ d) $\operatorname{cosec} x = 2$

2. Find the principal solutions of each of the following equations:

a) $\sin x = -\frac{1}{2}$ b) $\sqrt{3} \operatorname{cosec} x + 2 = 0$ c) $\tan x = -\frac{1}{\sqrt{3}}$

3. Find the general solution of each of the following equations:

i. a) $\sin 3x = 0$ b) $\sin \frac{3x}{2} = 0$ c) $\sin\left(x + \frac{\pi}{5}\right) = 0$ d) $\cos 2x = 0$ e) $\tan\left(3x + \frac{\pi}{6}\right) = 0$

ii. a) $\sin x = \frac{\sqrt{3}}{2}$ b) $\cos x = 1$ c) $\sec x = \sqrt{2}$

iii. a) $\sec 3x = -2$ b) $\cot 4x = -1$ c) $\operatorname{cosec} 3x = \frac{-2}{\sqrt{3}}$

iv. $4 \sin x \cos x + 2 \sin x + 2 \cos x + 1 = 0$

v. $\sec^2 2x = 1 - \tan 2x$

vi. $\tan^2 x - 3 \tan x = 0$

vii. $\sin x + \sin 3x + \sin 5x = 0$

viii. $\sin x \tan x - 1 = \tan x - \sin x$

ix. $\cos x + \sin x = 1$

x. $\sqrt{3} \cos x + \sin x = 1.$

SINE RULE AND COSINE RULE:

1. In any triangle ABC, prove that:

i. $\frac{\sin(B-C)}{\sin(B+C)} = \frac{b^2 - c^2}{a^2}.$

ii. $a^3 \sin(B-C) + b^3 \sin(C-A) + c^3 \sin(A-B) = 0$

iii. $\frac{a^2 \sin(B-C)}{\sin A} + \frac{b^2 \sin(C-A)}{\sin B} + \frac{c^2 \sin(A-B)}{\sin C} = 0.$

iv. $\left(\frac{b^2 - c^2}{a^2}\right) \sin 2A + \left(\frac{c^2 - a^2}{b^2}\right) \sin 2B + \left(\frac{a^2 - b^2}{c^2}\right) \sin 2C = 0$

v. $(b-c) \cot \frac{A}{2} + (c-a) \cot \frac{B}{2} + (a-b) \cot \frac{C}{2} = 0$

vi. $a \sin \frac{A}{2} \sin\left(\frac{B-C}{2}\right) + b \sin \frac{B}{2} \sin\left(\frac{C-A}{2}\right) + c \sin \frac{C}{2} \sin\left(\frac{A-B}{2}\right) = 0$

vii. $a^3 \cos(B-C) + b^3 \cos(C-A) + c^3 \cos(A-B) = 3abc.$

2. In any triangle ABC, Prove that:

$$\frac{a^2 \sin(B-C)}{\sin B + \sin C} + \frac{b^2 \sin(C-A)}{\sin C + \sin A} + \frac{c^2 \sin(A-B)}{\sin A + \sin B} = 0$$

3. If in triangle ABC, $\frac{\sin A}{\sin C} = \frac{\sin(A-B)}{\sin(B-C)}$ prove that a^2, b^2, c^2 are in A.P.
4. With usual notations, if in a triangle ABC $\frac{b+c}{11} = \frac{c+a}{12} = \frac{a+b}{13}$, then prove that:

$$\frac{\cos A}{7} = \frac{\cos B}{19} = \frac{\cos C}{25}.$$
5. If a^2, b^2, c^2 are in A.P., prove that $\cot A, \cot B, \cot C$ are in A.P.
6. Two ships leave a port at the same time. One goes 24km per hour in the direction N 45° E and other travels 32km per hour in the direction S 75° E. find the distance between the ships at end of 3hours.
7. Two trees, A and B are on the same side of a river. From a point C in the river the distance of trees A and B are 250m and 300m respectively. If the angle C is 45° , find the distance between the trees (use $\sqrt{2} = 1.44$).
8. An object is observed from three points A, B, C in the same horizontal line passing through the base of the object. The angle of elevation at B is twice and at C thrice that at A. If $AB = a, BC = b$ prove that the height of the object is $\frac{a}{2b} \sqrt{(a+b)(3b-a)}$.
9. A tree stands vertically on a hill side which makes an angle of 15° with the horizontal. From a point on the ground 35m down the hill from the base of the tree, the angle of elevation of the top of the tree is 60° . Find the height of the tree.
10. The angle of elevation of the top point P of the vertical tower PQ of height h from a point A is 45° and from a point B, the angle of elevation is 60° , where B is a point at a distance d from the point A measured along the line AB which makes an angle 30° with AQ. prove that $d = (\sqrt{3} - 1)h$.

A lamp post is situated at the middle point M of the side AC of a triangular plot ABC with $BC=7m, CA=8m$ and $AB=9m$. Lamp post subtends an angle of 15° at the point B. determine the height of the lamp post.

ENTREPRENEURSHIP

1. PROJECT WORK

Collect the information about any five leading business personalities (like Bills Gates, Dhirubhai Ambani, etc.) and find out the secrets of their success, contribution to the country etc. and compile your learnings in the form of a PPT to be shown in class after vacations.

2. Write the answer of following questions in your notebook and submit it on 3rd July 2018.

Short Answer Type Questions

- a) Name the highest need in Maslow's hierarchy.
- b) Name the lowest-level needs in Maslow's hierarchy.
- c) Who are inherited entrepreneurs?
- d) Define business ethics.
- e) Name the other term used for Ethical Entrepreneurship.
- f) Who are called as professional entrepreneurs?
- g) How an entrepreneur can develop the competency of creativity and innovation?
- h) How the people with power motives are motivated?
- i) 'Passion can be taught'. This statement shows which attitude of an entrepreneur? What does this statement show?
- j) Name the type of an entrepreneur who builds the modern capitalism.
- k) Name the competency which deals with the "Standards' and 'Quality of work'?"
- l) What happens in the absence or entrepreneurial competencies?

Long Answer Type Questions

- a) Some entrepreneur concentrates more on production than marketing; you are required to name it.
- b) How are Drone entrepreneurs different from Fabian entrepreneurs?
- c) Write down the features of Innovative entrepreneurs.
- d) 'They are highly ambitious and normally not satisfied by slow progress in their jobs.' This applies for which entrepreneurs?
- e) Give five examples of ethical standard to be followed by an entrepreneur in their business practice for long lasting success.
- f) What are the basic difference between Maslow's and McClelland's Theory Needs?

ECONOMICS

1.) Project on any of the following topic-:

- A) Global warming
- B) Case study on public private partnership
- C) Study of cooperative institution: milk cooperatives or marketing cooperatives
- D) A report on demographic structure of your area

Project should include all the steps from choosing a title, exploring the information related to the title, collection of data, analyzing the data, presentation and interpretation.

2) Two worksheets -: one is based on micro economics and other is based on statistics.

Write the answer of following questions in your notebook and submit it on 3rd July 2018.

UNIT I – Introduction to Micro Economics

(I) Very short answer type Questions:-

- Q.1. What is meant by economizing resources?
- Q.2. Define: - (i) Economy (ii) Economic problem.
- Q.3. Why does the problem of choice arise?
- Q.4. Why there is a need to economize the resources?
- Q.5. Why do all economies face similar basic problems?
- Q.6. What does increasing MOC along a PPC mean?
- Q.7. What does a rightward shift in the PPC indicate?
- Q.8. Give two examples each of – under-utilization of resources & growth of resources.
- Q.9. What does the slope of PPC indicate?
- Q.10. When is allocation of resources considered as - (i) Efficient? (ii) Inefficient?
- Q.11. When will the shape of PPC be convex?
- Q.12. What do you mean by alternative use of resources? Give e.g.
- Q.13. Give two characteristics of PPF.
- Q.14. How does the concept of opportunity cost help us to obtain the situation of full and efficient use of resources on PPC?
- Q.15. Which factors lead to a shift in the PPC?

(II) Short answer type Questions:-

- Q.1. Give two differences between Micro-economics and macro-economics
- Q.2. Explain the problem of “what to produce” with the help of an example.
- Q.3. Why is PPC concave to the origin?
- Q.4. What is PPC? Illustrate the central problems of an economy with the help of this curve.
- Q.5. Draw a PPC and indicate the following situations – (i) Fuller utilization of resources.
(ii) Growth of resources. (iii) Under-utilization of resources.
- Q.6. What is likely to be the impact of “Make in India” appeal to the foreign investors by PM of India, on PPC of India? Explain.
- Q.7. What is likely to be the impact of efforts toward reducing unemployment on PPC of economy? Explain
- Q.8. Define MOC. Give its formula and calculate it for the following –
- (a) Wheat 100 90 70 40 10 0
Cloth 0 25 50 75 85 87
- Q.9. How will the following affect the PPC?
- (a) Strikes by workers. (b) Improvement in technology.
(c) Obsolete technology only for good Y. (d) Natural calamity.
(e) Growth of resources.
- Q.10. “Massive unemployment in the economy will shift the PPC to the left.” Defend or refute. Give reasons.
- Q.11. “An economy always produces on, but not inside, the PPC” Defend or refute. Justify
- Q.12. Explain the concept of opportunity cost with an example.
- Q.13. What are the central problems of an economy? Why do they arise?
- Q.14. “Economics is all about making choices in presence of scarcity.” Explain.
- Q.15. Why is PPC known as transformation line?
- Q.16. How is positive economics different from normative economics. Give examples

STATISTICS

1. Students of your class obtained following marks in statistics in the weekly test-:

MARKS	4	5	6	7	8
NO.OF STUDENTS	12	10	18	20	24

Calculate Arithmetic mean using Direct and Short cut method.

2. Find out mean from the following distribution-:

MARKS	0	5	10	15	20	25	30	35
	-	-	-	-	-	-	-	-
	5	10	15	20	25	30	35	40
NO. OF STUDENTS	2	5	7	13	21	16	8	3

3. Mean marks obtained by a student in his 5 subjects are 15. In English he scores 8 marks, in Economics 12, in mathematics 18, and in Commerce 9 .Find out the marks he scored in statistics.

4. The following table gives distribution of marks secured by some students-:

MARKS	10-20	20-30	30-40	40-50	50-60	60-70	70-80
NO.OF STUDENTS	42	38	120	84	48	36	31

Calculate the median marks secured by the students

5. Find out the median of the following series-:

SIZE	20	25	30	35	40	45	50	55
FREQUENCY	14	18	33	30	20	15	13	7

6. Calculate mode using the grouping technique -:

Size	2	3	4	5	6	7	8	9	10	11	12	13
frequency	3	8	10	12	16	14	10	8	17	5	4	1

7. Find out mode from the following data:

CLASS INTERVAL	5-10	10-15	15-20	20-25	25-30	30-35	35-40
NO.OF CHILDREN	4	5	3	2	6	7	3

8. Calculate the mean, median and mode with the help of following information:-:

SIZE	1	2	3	4	5	6	7	8	9	10
FREQUENCY	8	6	10	12	20	12	5	3	2	4

INFORMATICS PRACTICES

Attempt the following questions:

1. What is DBMS?
2. What is SQL? What is the distinctive feature of MySQL?
3. What do you understand Degree and Cardinality of a Table?
4. What do you mean by Referential Integrity? How is it enforced in DBMS?
5. What is Data Model? Name various Data Models.
6. Differentiate between DDL and DML.
7. Compare CHAR and VARCHAR datatypes.
8. What are the differences between DELETE and DROP command?
9. What is MySQL Server and MySQL Client?
10. What is a Key? Define the following terms in relevance to keys:
 - a. Primary Key
 - b. Candidate Key
 - c. Alternate Key
 - d. Foreign Key
11. What do you mean by Data Dictionary? What does it comprise of?
12. Which function is used to substitute Null values in a query result?
13. Write command to print the day of the week of your birthday in the year 1999.
14. What is the difference between SYSDATE() and NOW() function?
15. What is the role of UNIQUE constraint? How is PRIMARY KEY constraint different from UNIQUE constraint?
16. How would you view the structure of table Dept?
17. What is meant by "Data independence"? Explain difference between Logical and Physical data independence.
18. Which comparison operator is used for comparing?
 - (i) Patterns
 - (ii) character value
 - (iii) null values
 - (iv) ranges
 - (v) list of values

19. Differentiate between:
- DROP TABLE & DROP DATADATABASE
 - DROP TABLE & DROP clause of ALTER TABLE.
20. Write My SQL command to create a table STUDENT with under mentioned structure by using SQL Statement:
- | | | |
|------------|----------------|---------------------|
| StdID | Number | Primary Key |
| StdName | Character (30) | NOT NULL |
| Gender | Character(6) | Male or Female |
| Percentage | Number | |
| SClass | Number | |
| Sec | Character | |
| Stream | Character(10) | Science or Commerce |
| DOB | Date | Date of Birth |
21. Write MySQL commands to open school database.
22. Write MySQL command to select student table.
23. Answer the following questions :
- Write the difference between Primary Key and Unique Key?
 - You have the following table CUSTOMER. Identify the required data types for each attributes :
- | | |
|-----------|--------------------------------|
| Cust_ID | Customer Identification Number |
| Cust_Name | Customer Name |
| Cust_Add | Customer Address |
| Bill_No | Customer bill Number |
24. Find the Output of following :
- SELECT ROUND (1.298,1);
 - SELECT POW(3,4);
 - SELECT LOWER('MYSQL QUERY LANGUAGE');
 - SELECT SUBSTR('MYSQL LANGUAGE', 7,8);
 - SELECT LENGTH('INFORMATION');
25. What is a Transaction?
26. Define the following
- Atomicity
 - Consistency
 - Isolation
 - Durability
27. What are two way in which multiple transactions can be executed?
28. What is Savepoint? What is the role of Savepoint in the Transaction?
29. Describe the following command
- COMMIT
 - ROLLBACK
 - SAVEPOINT

FINE ART

Part 1: Natural and object study

(A) Draw and shade **two** object drawing of a group of objects from any drawing book on a drawing paper of half imperial size .Your drawing should be appropriate in realistic manner with proper light, shade and perspective. Natural and geometrical form may be covered in group of objects

Natural-forms-large size foliage and flower, fruits, vegetable, any kitchen object

Mark distribution: Total marks 20

1. Drawing (composition)	10
2. Treatment of media /colors mixing	5
3. Overall impression	5

Part 2: Painting composition

(A) Make **two** compositions with two human figure of the following three subject in any medium (pencil, pastel, poster color) of your choice on a drawing paper of half imperial size either horizontally or vertically. Your composition should be original and effective. The subject of composition are given below-

1. Daily life scene
2. Sport activity
3. Village escape

(B) Make **one** landscape or nature scene with the help of poster color or water cake color on a drawing paper of half imperial size.

Mark distribution: Total marks 20

1. Compositional arrangement including emphasis on the subject	10
2. Treatment of media (color mixing)	5
3. Originality, creativity, overall impression	5

PHYSICAL EDUCATION

1. Prepare your board practical files as per the instructions given by Mr Neeraj.
2. Learn all the chapters done in the class as per the blueprint given to you.
3. Do all the Questions of the chapters done in the class.