

29.11.19 Comprehensive Revision Programme-2 Marks:40
 Std:XI [H,I] AN Economics (Part-I) Time:1.15mins

- I. Choose the correct answer: 5x1=5
- ___ methods are helpful for achieving the objectives of the economic analysis.
 - statistical methods
 - mathematical methods
 - deductive methods
 - A statement of equality between two quantities is called ____.
 - inequality
 - equations
 - equality
 - Differentiation of constant term gives _____.
 - infinity
 - zero
 - one
 - Chennai's nick name is _____.
 - The Detroit of India
 - The Detroit of Trichy
 - The Detroit of Asia
 - Tamil Nadu is rich in _____.
 - Human resource
 - Forest resource
 - Mineral resource

II. Answer the following:

- Write a note on mineral resources in Tamil Nadu.(Any two points)
- Define Micro industry.
- State any districts with favourable sex ratio.
- If $124=68+8x$ what is x ?
- What is the formula for elasticity of supply if you know the supply function?
- What are the main menus of MS word?

III. Answer the following: [Any 5] 5x3=15

- What are the steps involved in executing a MS Excel sheet?
- If $TC=2.5q^3-13q^2+50q+12$ derive the MC function and AC function.
- Illustrate the uses of Mathematical methods in Economics.
- Describe the development of textile industry in Tamil Nadu.
- What are the renewable sources of power in Tamil Nadu?
- Explain GSDP in Tamil Nadu.

IV. Answer the following: [Any 2] 2x5=10

- Explain the public transport system in Tamil Nadu.
- Calculate the elasticity of demand for the demand schedule by using differential calculus method.
 $P=60-0.2Q$ where price is (i) zero (ii) Rs.20 (iii) Rs.40
- Describe the quantitative aspects of population.

29.11.19 Comprehensive Revision Programme-2 Marks:40
 Std:XI [F,G] AN Computer Application (Part-I) Time:1.15mins

I. Choose the correct answer: 5x1=5

- Which is the default browser for Ubuntu?
 - Fire fox
 - Internet explorer
 - Chrome
 - Thunder bird
- Which of the following indicator that the text included in a comment?
 - /**/
 - !**!
 - <*>
 - **\
- The extension of CSS file is _____.
 - .SSC
 - .CSS
 - .CSC
 - .htm
- Javascript programming language is used to develop the _____.
 - dynamic webpage
 - window
 - web page
 - home page
- In the below snippet, value of x is `var x=250+2-200;`
 - 50
 - 52
 - 48
 - 42

II. Answer any 5 from the following: 5x2=10

- Write the general format of linking CSS with HTML.
- Write down general format of CSS declaration.
- Mention the different server distributions in Linux OS.
- What is the use of a file extension?
- Differentiate save and save as option.
- How many Literals in Java Script and mention its types?

III. Answer any 5 from the following: 5x3=15

- Brief the basic data types in Java Scripts.
- Difference between the increment and decrement operator.
- Differentiate Thunderbird and Firefox in Ubuntu.
- Analyse why the driver are segregated?
- Write a short note on rule of CSS.
- Write note on type of operator.

IV. Answer any 2 in detail: 2x5=10

- Draw and compare the icon equivalence in windows and Ubuntu.
- Explain about the popup dialog boxes in JavaScript.
- List and Explain the font and text element properties and values used CSS.

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Std:XI [A,B,C,D] FN English (Part-I) Time:1.15mins

I. Answer all questions: 16x½=8

Choose the appropriate synonym for the underlined word:

1. I was nodding away to the auctioneer like a bloatocrat.

- a. fat and rich b. thin and poor
c. fat and poor d. thin and rich

2. I would give some of the cardinal principles enunciated by those who offered in the past

- a. spoke clearly b. spoke softly
c. whisperly d. speak loudly

3. I always have catastrophes when I travel

- a. unstable b. disaster c. valued d. agitating

Choose the appropriate Antonym for the underlined word:

4. An old friend persuaded me to look in a the sale-room

- a. convince b. astonish c. dissuade d. caring

5. Monarchy and autocracy have inaugurated the era of democracy

- a. common b. rare c. occasional d. olden

6. Someone in the seat ahead of me threw his seat back into full recline

- a. lean b. bonnet c. discharging d. straighten

7. Replace the underlined word choosing the most appropriate phrasal verb:

I can't understand your idea.

- a. make for b. make up c. make out d. make in

8. Choose the suitable Idiom for the underlined word in the following sentences:

After stopping for an hour, we began the journey again.

- a. ideally situated b. hit the road
c. take for a ride d. panic mode

9. Choose the most appropriate question tag to the sentence:

Stop here,?

- a. would you b. won't you c. will you d. don't you

10. Choose the correct plural form of 'deer'

- a. deer b. deers c. dear d. deirs

11. Choose the meaning of the foreign word

We wished him adieu when he started the plane

- a. shook hand b. said good bye and wished farewell
c. invited horn d. cheered up

12. Choose the right definition for belief that the best possible concepts should be pursued.

- a. idealism b. egocentrism c. heroism d. amateurism

13. Fill in the blank with suitable relative pronoun:

He is the man ___ house was sold.

- a. who b. whom c. whose d. which

14. Form a new word by adding a suitable prefix to the root word 'legal':

- a. in- b. non- c. un- d. il-

15. Choose the monosyllabic word:

- a. company b. perfect c. adverse d. news

16. Fill in the blanks with appropriate linker:

He continued to play ___ his leg injury.

II. Read the set of poetic lines and answer the following questions:

3x2=6

17. "He's the bafflement of Scotland yard, the flying squad's despair".

For when they reach the scene of crime:

a. What is 'scotland yard'?

b. Why does the flying squad feel disappointed?

18. "Honour is a property, common to all:

In dignity and pride no one need to be poor".

a. Who is considered as rich?

b. What is their asset?

19. "Keeps death his court, and there the antic sits..."

a. Mention the figure of speech.

b. Who is antic?

III. Do as directed: [Any two]

2x2=4

20. Report the dialogue:

Mother" "Do not talk to strangers"

Son: Don't worry mother. I will not.

21. The box is too heavy to lift it.

(Transform into a compound sentence)

22. Rewrite the sentence using 'If':

He did not give his address. I could not visit him.

IV. Explain with reference to content:

1x3=3

23. He always has an alibi, and one or two to spare.

24. We are proud and feel so tall our virtues though few and small.

25. All murdered – for within the hollow crown that rounds the mortal temples of a king keeps death his court.

V. Answer any two of the following questions briefly: 2x3=6

26. What should the youngsters aim in life after their graduation?

27. What happened to Bryson when he leaned to tie his shoelace?

28. Why did narrator visit christie's?

V. Answer any one of the following in a paragraph of 150 words:

1x5=5

29. What are the causes for king Richard's grief?

30. Stephen Leacock's visit to the photo studio turns out to be an annoying experience for him. Discuss acting relevant instances from the story.

31. How do universities mould students apart from imparting academic education to them?

VII. Respond to the following advertisement:

(5)

32.

Situations Vacant

Wanted a Receptionist. Graduate with computer knowledge, fluency in English and good communication skills. Send your applications to Post Box: 6712, Chennai – 600 002

VIII. 33. Write an email to the sports company ordering sports items for the physical Education Department of your school.

(3)

I. Choose the correct answer: 10x1=10

- The graph of $y=2x^2$ is passing through _____.
 a) (0, 0) b) (2, 1) c) (2, 0) d) (0, 2)
- The minimum value of the function $f(x)=|x|$ is _____.
 a) 0 b) -1 c) +1 d) -∞
- The range of $f(x)=|x|$ for all $x \in \mathbb{R}$ is _____.
 a) (0, ∞) b) [0, ∞) c) (-∞, ∞) d) [1, ∞)
- $\frac{d}{dx} \left(\frac{1}{x} \right)$ is equal to _____.
 a) $\frac{-1}{x^2}$ b) $\frac{-1}{x}$ c) $\cos x$ d) $\frac{1}{x^2}$
- Which of the following function is neither even nor odd?
 a) $f(x)=x^3+5$ b) $f(x)=x^5$ c) $f(x)=x^{10}$ d) $f(x)=x^2$
- Correlation coefficient lies between _____.
 a) 0 to ∞ b) -1 to +1 c) -1 to 0 d) -1 to ∞
- When one regression coefficient is negative, the other would be
 a) negative b) positive c) zero d) none of them
- The variable which influences the values or is used for prediction is called _____.
 a) Dependent variable b) Independent variable
 c) Explained variable d) Regressed
- If $\text{cov}(x, y)=-16.5$, $\sigma_x^2=2.89$, $\sigma_y^2=100$. Find the correlation coefficient.
 a) -0.12 b) 0.001 c) -1 d) -0.97
- The series of regression intersect at the point _____.
 a) (x, y) b) (\bar{x}, \bar{y}) c) (0, 0) d) (σ_x, σ_y)

II. Answer any 3 of the following: 3x2=6

11. Evaluate $\lim_{x \rightarrow 0} \frac{\sin 3x}{\sin 5x}$

12. Let f be defined by $f(x)=x^3-Kx^2+2x$, $x \in \mathbb{R}_1$ Find K if f is an odd function.

13. Differentiate $\sin^2 x$ with respect to 'x'.

14. From the following data calculate the correlation coefficient
 $\sum xy=120$, $\sum x^2 = 90$, $\sum y^2=640$

III. Answer any 3 of the following: 3x3=9

15. Obtain the two regression lines from the following data $N=20$,
 $\sum x=80$, $\sum y=40$, $\sum x^2=1680$, $\sum y^2=320$ and $\sum xy=480$.

16. Find $\frac{dy}{dx}$ of $x^3+y^3+3axy=1$

17. Find $\frac{dy}{dx}$ of $x=a \cos^3 \theta$, $y=a \sin^3 \theta$

18. Show that $f(x)=|x|$ is continuous at $x=0$

IV. Answer any 3 of the following: 3x5=15

19. If $y=(x-1 \sqrt{1+x^2})^m$, then show that $(1+x^2)y_2 + xy_1 - m^2y=0$

20. Differentiate $\sqrt{\frac{(x-3)(x^2+4)}{3x^2+4x+5}}$

21. The following are the ranks obtained by 10 students in Statistics and Mathematics

Statistics	1	2	3	4	5	6	7	8	9	10
Mathematics	1	4	2	5	3	9	7	10	6	8

Find the rank correlation coefficient

22. Calculate the two regression equation for the following data:

X	10	12	13	12	16	15
Y	40	38	43	45	37	43