

[TP] Everwin Matric. Hr. Sec. School
09.12.19 Pre-Half Yearly Examination Marks:60
Std:XII [A-E] AN Computer Science Time: 2.15 hrs

I. Choose the correct answer: 10x1=10

1. In _____ ANSI published an SQL standard version.
a) 1986 b) 1985 c) 1992 d) 2008
2. _____ mode can be used when dealing with non-text files like image or exe files.
a) Text mode b) default mode c) Binary mode d) a or b
3. _____ is used for interfacing with c programs.
a) Boost b) Python c) Cython d) Ctypes
4. _____ is used for performing all SQL commands.
a) Cursor b) Connection c) Create d) Record
5. Numerical day may be encoded using _____ to visually communicate a quantitative message.
a) dots b) lines c) bars d) all
6. A _____ is a collection of resources assembled to create a single unified visual display.
a) Dash board b) Infographics c) Patterns d) all
7. A _____ represents the frequency distribution of continuous variables.
a) Graph b) Charts c) Histogram d) a or c
8. To print all elements _____ separator is used.
a) "\n" b) "," c) "\r" d) a or b
9. Which one of the following is dynamic typed language?
a) Python b) C++ c) MinGw d) a and b
10. The _____ operator is used with the COUNT to include the NULL values.
a) ; b) . c) * d) a or c

II. Answer any 7 of the following questions: 7x2=14

Q.No.14 is compulsory

11. Write the processing skills of SQL.
12. Write a csv program to read the file with user_define delimiter "!"
13. How will you access module function?
14. Write a note on SQL operators as AND, OR, NOT with eg.
15. What are the types of datavisualization? [both types]
16. Difference between Histogram and Bar Graph (any 3).

17. Write a note on AVG() and sum() function.

18. What is Min Gw? What is its use?

III. Answer any 7 of the following questions: 7x3=21

Q.No.25 is compulsory

19. Distinguish between DELETE, TRUNCATE and DROP statement.
20. What is the use of following commands:
(i) List_name.sort() (ii) DictReader (iii) writerow()
21. Write a python program to execute the following c++ coding.

```
#include <iostream>
using namespace std;
int main ()
{ out <<"HELLO";
return (0);
}
```
22. Write a program to count the number of records by specifying column. [Python ↔ sqlite3]
23. Write a note on Scatter plot and Box plot.
24. Write the output of the following program:

```
import matplotlib.pyplot as p/t
plt.plot ([1,2,3,4])
plt.show ()
```
25. Write about the command Execute (Sql[, parameters])
26. What is the use of "skipinitialspace"?
- IV. Answer in detail : 3x5=15
27. a) Construct the following SQL statements in the student table.
i) SELECT statement using GROUP By clause
ii) SELECT statement using ORDER By clause
(or)
b) Write csv file with Quote characters and with custom Dialects with example.
28. a) Explain two functions provided by the module to enable command line argument parsing.
(or)
b) How Python is handling the errors in C++?
29. a) How to display the record in sql? Explain all the methods.
(or)
b) Explain the Buttons present in the matpyplot Editor.

- I. Answer all the questions: $3 \times 1 = 3$
1. Choose the incorrect statements "vegetative reproduction".
a) A male and female parent is required for propagation.
b) New individual plants produced are genetically identical.
c) Used to harvest plants in large scale
d) Helps to preserve its own species
2. Choose the correct statements: "Media preparation"
I. No single medium is capable of maintaining optimum growth of all plant tissues.
II. MS nutrient medium is commonly used.
III. MS medium has carbon sources with suitable vitamins and hormones.
IV. Mercuric chloride is used as a solidifying agent.
a) I, III, IV only b) I, II and III only c) I, II and IV only
3. Find the odd one out and give reason:
a) Turmeric b) Cardamom c) Tamarind d) Pepper
- II. Answer any 4 of the following: $4 \times 2 = 8$
4. Distinguish mound layering and air layering.
5. Draw the flowchart of general steps in patenting.
6. Write the slogan of five F's in Chipko movement.
7. What are the objectives of plant breeding?
8. Mention the difference between essential oil and vegetable oil.
- III. Answer any 3 of the following: $3 \times 3 = 9$
- Q.No.12 is compulsory
9. A person gets irritation while applying chemical dye. What would be your suggestion for alternative?
10. What are the advantages of using liquid sea weed fertilizer?
11. Explain the biosafety guidelines are being implemented.
12. How do sacred groves help in the conservation of biodiversity?
- IV. Answer any 2 in detail: $2 \times 5 = 10$
13. Write a note on contrivances of cross pollination.
14. Highlight the protocol for production of virus free meristem tip culture.
15. What is Invasive species? Explain with an example.

- I. Answer the following: $3 \times 1 = 3$
1. The number of bases present in the largest human gene dystrophin is _____.
a) 3.4 million b) 1.2 million c) 2.4 million d) 20 thousands
2. The chromosome having highest gene density _____.
a) 11 b) 19 c) 20 d) 1
3. The patau's syndrome is caused by _____.
a) Autosomal Aneuploidy b) Polyploidy
c) Allosomal Aneuploidy d) Mendelian disorders
- II. Answer any 4 of the following: $4 \times 2 = 8$
4. Write a note on opsonisation and its importance.
5. What is meant by Nucleosomes and give its importance?
6. What is meant by "ontogeny recapitulates phylogeny"? Explain.
7. Write a note on salient features of HGP. (any two)
8. What is cooley's anaemia? Explain.
- III. Answer any 3 of the following: $3 \times 3 = 9$
9. Explain disruptive selection.
10. What is meant by Sewall wright effect? Explain.
11. Give the significance of third generation vaccines.
12. Which causes sickle cell anaemia? Explain about the genetic code mutation in sickle cell anaemia.
13. Explain about phenylketonuria.
- IV. Answer the following in detail: $2 \times 5 = 10$
14. a) Explain about the features which made DNA as a genetic material for evolved organisms, and explain about the general chemistry of Nucleic acids.
(or)
b) Explain the significance of Eukaryotic Transcription and Evolution of genes based on it.
15. a) Explain on the life cycle of Malarial parasite which is asexual. (or)
b) Explain Mechanism of protein synthesis till termination.

I. Choose the correct answer:

10x1=10

- If $A = \begin{bmatrix} \cos\theta & \sin\theta \\ -\sin\theta & \cos\theta \end{bmatrix}$ and $A(\text{adj } A) = \begin{bmatrix} K & 0 \\ 0 & K \end{bmatrix}$, then $K =$ _____
 a) 0 b) $\sin \theta$ c) $\cos \theta$ d) 1
- The rank of a matrix in row echelon form is the number of _____ rows in it.
 a) zero b) non-zero c) sub-matrix d) square matrix
- The radius of the circle passing through the point (6, 2) two of whose diameter are $x+y=6$ and $x+2y=4$ is _____.
 a) 10 b) $2\sqrt{5}$ c) 6 d) 4
- The length of the focal chord perpendicular to the axis is called _____ of the parabola.
 a) Axis parabola b) Vertex c) Focal chord d) Latus rectum
- If \vec{a} and \vec{b} are said to be parallel if the angle between them is
 a) 0 and π b) 0 or π c) 0 and $\frac{\pi}{2}$ d) 0 or $\frac{\pi}{2}$
- Distance from the origin to the plane $3x-6y+2z+7=0$ is _____.
 a) 0 b) 1 c) 2 d) 3
- The point of inflection of the curve $y=(x-1)^3$ is _____.
 a) (0, 0) b) (0, 1) c) (1, 0) d) (1, 1)
- The minimum value of the function $|3-x|+9$ is _____.
 a) 0 b) 3 c) 6 d) 9
- If a compound statement involves 3 simple statements, then the number of rows in the truth table is _____.
 a) 9 b) 8 c) 6 d) 3
- A statement which is neither a tautology nor a contradiction is called _____.
 a) contradiction b) contingency c) conditional
 d) bi-conditional

II. Answer any 5 of the following:

5x2=10

Q.no.24 is compulsory

- Solve, by Cramer's rule, the system of equations $x_1-x_2=3$,
 $2x_1-3x_2+4x_3=17$, $x_2+2x_3=7$
 - Find the general equation of a circle with centre (-3, -4) and radius 3 units.
 - Prove that $(\vec{a} \cdot (\vec{b} \times \vec{c})) \vec{a} = (\vec{a} \times \vec{b}) \times (\vec{a} \times \vec{c})$
 - Find the values in the interval (1, 2) of the mean value theorem satisfied by the function $f(x)=x-x^2$ for $1 \leq x \leq 2$.
 - Let $A = \begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$ be any two Boolean matrices of the same type. Find AVB .
 - What are the methods to solve the system of linear equations $Ax=B$?
 - Evaluate: $\lim_{x \rightarrow 0^+} x \log x$
- III. Answer any 5 of the following: 5x3=15
- Q.no.24 is compulsory
- Determine the values of A for which the following system of equations a non-trivial solution $x+y+3z=0$, $4x+3y+\lambda z=0$.,
 $2x+y+2z=0$.
 - If $y=2\sqrt{2}x+c$ is a tangent to the circle $x^2+y^2=16$, find the value of c.
 - By vector method, prove that $\cos(\alpha+\beta)=\cos \alpha \cos \beta - \sin \alpha \sin \beta$
 - Prove that the distance between two parallel planes
 $ax+by+cz+d_1=0$ and $ax+by+cz+d_2=0$ is given by $\frac{|d_1-d_2|}{\sqrt{a^2+b^2+c^2}}$
 - We have a 12 square unit piece of thin material and want to make an open box by cutting small squares from the corners of our material and folding the sides up. The question is, which cut produces the box of maximum volume?

23. Find the slant (oblique) asymptote for the function

$$f(x) = \frac{x^2 - 6x + 7}{x + 5}$$

24. Let $A = \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 1 & 0 & 1 \\ 1 & 0 & 0 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 \\ 1 & 0 & 0 & 1 \end{bmatrix}$, $C = \begin{bmatrix} 1 & 1 & 0 & 1 \\ 0 & 1 & 1 & 0 \\ 1 & 1 & 1 & 1 \end{bmatrix}$ be any

three boolean matrices of the same type of (i) $A \wedge B$ (ii) $(A \vee B) \wedge C$

IV. Answer the following:

5x5=25

25. a) The upward speed $v(t)$ of a rocket at time t is approximated by $V(t) = at^2 + bt + c$, $0 \leq t \leq 100$ where a , b and c are constants. It has been found that the speed at times $t=3$, $t=6$ and $t=9$ seconds respectively, 64, 133 and 208 miles per second respectively. Find the speed at time $t=15$ seconds. (Use Gaussian elimination method)

(OR)

b) A steel plant is capable of producing x tonnes per day of a low-grade steel and y tonnes per day of a high-grade steel, where $y = \frac{40-5x}{10-x}$. If the fixed market price of low-grade steel is half that of high-grade steel, then what should be optimal productions in low-grade steel and high-grade steel in order to have maximum receipts.

26. a) Prove that $P \rightarrow (Q \rightarrow R) \equiv (P \wedge Q) \rightarrow R$ without using truth table.

(OR)

b) If the straight lines $\frac{x-1}{2} = \frac{y+1}{\lambda} = \frac{z}{2}$ and $\frac{x+1}{5} = \frac{y+1}{2} = \frac{z}{\lambda}$ are coplanar, find λ and equations of the planes containing these two lines.

27. a) Find the coordinates of the point where the straight line

$$\vec{r} = (2\hat{i} - \hat{j} + 2\hat{k}) + t(3\hat{i} + 4\hat{j} + 2\hat{k})$$
 intersects the plane $x - y + z - 5 = 0$

(OR)

b) Prove De Morgan's Laws

$$\text{i) } \neg (p \wedge q) \equiv \neg p \vee \neg q$$

$$\text{ii) } \neg (p \vee q) \equiv \neg p \wedge \neg q$$

28. a) Sketch the graph of the function $Y = \frac{x^3}{24} - \log x$

(OR)

b) Equation of tangent and normal to the parabola $y^2 = 4ax$

i) Equation of tangent in Cartesian form

ii) Equation of tangent in parametric form.

29. a) A rod of length 1.2m moves with its ends always touching the coordinate axes. The locus of a point P on the rod, which is 0.3m from the end in contact with x -axis is an ellipse. Find the eccentricity.

(OR)

b) If the system of equations $px + by + cz = 0$, $ax + qy + rz = 0$, $ax + by + rz = 0$ has a non-trivial solution and $p \neq a$, $q \neq b$, $r \neq c$, prove that $\frac{p}{p-a} + \frac{q}{q-b} + \frac{r}{r-c} = 2$

I. Choose the correct answer: 10x1=10

1. Identify the package manager for Python package or modules
a. Matplotlib b. PIP c. Plt.Show() d. Python package
2. Histogram presents ___ data.
a. categorical b. numerical c. .ASCII d. a & b
3. ___ is called a master table.
a. sqlile_master b. sql_master
c. main_master d. master_main()
4. The ___ function returns the number of rows in a table.
a. SUM() b. AVG() c. COUNT() d. MIN()
5. The module which allows you to interface with the windows operating system is _____.
a. OS module b. SYS module
c. CSU module d. getopt module
6. ___ operator is used to denote the mode.
a. : b. . c. ; d. \n
7. The command used to skip a row in a CSV file is _____.
a. next () b. skip () c. omit () d. bounce ()
8. The ___ function stores each row of the file.
a. list () b. tuple () c. fetchall () d. a or b
9. Queries can be generated using _____.
a. SELECT b. ORDER BY c. MODIFY d. ALTER
10. The ___ provides statements for creating and deleting the tables.
a. DDL b. DML c. DCL d. TCL

II. Answer the following: [Any 7] Q.No.17 is compulsory: 7x2=14

11. Difference between table constraint and column constraint.
12. Write a note on TCL commands.
13. How to open CSV file in MS Excel?
14. What is the use of next () and skip initial space () function?
15. Write a note on name variable.
16. Explain the concept deals with the function main (sys.argv[1]).
17. Write the command to populate reward in a table. Give example.
18. Write a note on Pie chart. with example.

III. Answer the following: [Any 7] Q.No.22 is compulsory: 7x3=21

19. Write any 3 uses of data visulaization.
20. Difference between Fetchone() and Fetchomany ()
21. Define database with example.
22. What is meant sqlite_master?
23. What is MINGW? What is its use?
24. Write a Python Program to modify an existing file.
25. Write a SQL command using DISTINCT keyword.
26. Write a note on IN keyword.

IV. Answer in detail: [Any 3] 3x5=15

27. Write a SQL statement to create a table for employee having any five fields and create a table constraint for the employee table.
28. Explain the features of Python.
29. What is the use of WHERE and ORDER BY clause? Give an example for Python script.
30. Difference between histogram and bar graph.

09.12.19 Pre-Half Yearly Examination Marks:60
Std:XII [C-E] AN Biology Time:2.15 hrs
Bio-Botany Marks:60
Section – A

Note: (i) Answer all the questions: 4x1=4
(ii) Choose the most suitable answer from the given four alternatives and write the option code and the corresponding answer

1. Cryopreservation means a process to preserve plant cells, tissues or organs
 - a. at very low temperature by using ether
 - b. at very high temperature by using liquid nitrogen
 - c. at very low temperature by using liquid nitrogen
 - d. at very low temperature of -196 by using liquid nitrogen
2. People's movement for the protection of environment in Sirsi of Karnataka is _____.
 - a. Chipko Movement
 - b. Amritha Devi Bishnoi Movement
 - c. Appiko Movement
 - d. None of the above
3. What is the botanical name of pigeon pea?
 - a. vigna radiata
 - b. cajanus cajan
 - c. sorghum vulgare
 - d. elersine coracana
4. Identify the correctly matched pair:
 - a. Tuber – Allium cepa
 - b. Sucker – Pistia
 - c. Rhizome – musa
 - d. Stolon – zingiber

Section – B 5x2=10

Note: Answer any five of the following questions

5. Differentiate grafting and layering.

6. "Pollination in gymnosperms is different from Angiosperms" – give reasons.
7. Write the general steps in patenting.
8. How do forest help in maintaining the climate?
9. A person got irritation while applying dye. What would be your suggestion as an alternative?
10. How are microbial inoculants used to increase the soil fertility?
11. Write short note on the following:
 - a. In-situ conservation
 - b. Ex-situ conservation

Section – C

Note: Answer any two questions, Q.no:13 is compulsory: 2x3=6

12. Write in brief about steps involved in hybridization.
13. Write in brief-about double fertilization and triple fusion.
14. Write about Ozone depletion.
15. What are millets? What are its types? Give example for each type.

Section – D

Note: Answer the following questions 2x5=10

- 16.a. Write in detail about Hybridization.

OR
- b. Write in detail about cross pollination.
- 17.a. Write the protocol for artificial seed preparation and also advantages of artificial seeds.

OR
- b. List out the new breeding techniques involved in developing new traits in plant breeding.

Bio-Zoology

Section – A

Note: (i) Answer all the questions

(ii) Choose the most suitable answer from the given four alternatives and write the option code and the corresponding answer 4x1=4

1. Which of the following is true about Rh factor in the offspring of a parental combination Dd x Dd (both Rh positive)?

- a. all will be Rh positive b. Half will be Rh positive
c. About ¼ will be Rh negative d. About ¾ will be Rh negative

2. An operon is a

- a. protein that suppresses gene expression
b. cluster of structural genes with related function
c. gene that switched other genes on or off
d. protein that accelerates gene expression

3. Darwin's finches are an excellent example of ____.

- a. adaptive radiation b. convergent evolution
c. divergent evolution d. seasonal migration

4. Causative agent for Bubonic plague is ____.

- a. vibrio cholerae b. salmonella typhi
c. yersinia pestis d. shigella sp

4. Exo-erythrocytic schizogony of plasmodium takes place in ____.

- a. RBC b. Leucocytes c. Liver d. Stomach

Section – B

Note: Answer any five of the following questions: 5x2=10

5. What are interferons? Mention their role.

6. Mention the main objectives to Darwinism.

7. Differentiate between the eating habit and brain size of Australopithecus and Ramapithecus.

8. Differentiate among template strand and coding strand.

9. Why are sex linked recessive characters more common in the male human beings?

10. Distinguish between regulatory gene and operator gene.

11. Who disproved Lamarck's theory of acquired characters?

How?

Section – C

Note: Answer any two questions, Q.no:13 is compulsory: 2x3=6

12. Mention any three similarities found common in Neanderthal man and Homo sapiens.

13. Write in brief about structure of operon.

14. Write the salient features of mutation theory.

15. Differentiate active immunity and passive immunity.

Section – D

Note: Answer the following questions: 2x5=10

16.a. Draw the life cycle of Plasmodium and explain about it.

OR

b. Write in detail about Natural selection.

17.a. Explain in detail about Human Genome Project (HGP).

OR

b. Explain in detail about Chromosomal Abnormalities.

I. Choose the most appropriate synonym for the underlined words from the options given below:

1. I could not bear to intrude upon their privacy.
a) protect b) help c) predate d) encroach
2. If used sparingly, the newly found cylinders could get us down to south.
a) extravagantly b) lavishly c) economically d) sufficiently
3. Individual liberty would become social anarchy.
a) vanity b) civility c) lawlessness d) cooperation

II. Choose the most appropriate antonym for the underlined words from the options given below:

4. I must not interfere with their liberty to sleep in quiet.
a) solemnity b) tranquillity c) noise d) quietude
5. It was a great thrill to look down this enormous rock.
a) large b) tiny c) colossal d) huge
6.which are not to be despised.
a) liked b) defeated c) hated d) dare
7. Choose the correct combination for the compound word "house arrest"
a) Noun + Verb b) Verb + Noun
c) Gerund + Noun d) Preposition + Noun
8. Choose the correct expansion of M.Phil.
a) Master of Philosophy b) Master of Philology
c) Mistress of Philosophy d) Mistress of Philology

9. Choose the meaning of the foreign word in the sentence:
Our daughter is going to turn 5 next year, so we've been trying to find a good kindergarten for her.

- a) kindled b) school c) crèche d) Children's garden
10. Choose the right combination for the blended word 'travelogue'.
a) tra + velogue b) travel + dialogue
c) travel + monologue d) travel + catalogue
11. Choose the clipped word for 'helicopter'.
a) helio b) coter c) copter d) hecopter

12. I have the fear of high buildings. I suffer from _____.
a) batophobia b) linguistics c) phonology d) photophobia
13. Choose the suitable meaning or idiom found in the following sentence:
It's important to be on good terms with your teammates in an office.
a) get in b) get along c) to be safe d) to be alert
14. Substitute the underlined word with the appropriate polite alternative.
Raghav is drunk.
a) merry b) sensitive c) relieved d) tender
15. Choose the correct sentence pattern for the following sentence
Next morning, coming out of our hotel, we saw our friends.
a) ASVCA b) AASVO c) SVOC d) SVO
16. Fill in the blank with a suitable phrasal verb:
The Opposition party _____ the minister's resignation after the scandal broke.
a) called in b) ask for c) called d) called for
- III. Read the following sets of the poetic lines and answer any four of the following: 4x2=8
17. "Fear, trembling Hope, and Death, the skeleton,
And Time the shadow", and though weak the verse
That would thy beauty fain, oh, fain rehearse,
May Love defend thee from oblivion's curse."
a) What does the poet mean by the expression 'May love defend thee from oblivion's curse?'
b) What does the poet convey through the expression 'Fear, trembling hope'?
18. "Little remains: but every hour is saved
From that eternal silence, something more,
A bringer of new things; and vile it were"
a) How is every hour important to Ulysses?
b) What does the term 'Little remains' convey?
19. "Just as perhaps he mused, 'My plans
That soar, to earth may fail,'"
a) Who does 'he' refer to?
b) What may hamper the soaring plans of Napoleon?

20. "And oft at nights the garden overflows
With one sweet song that seems to have no close,
Sung darkling from our tree, while men repose."
a) What overflows the garden at night?
b) What is called the 'darkling'?
21. "This is my son, mine own Telemachus,
To whom I leave the sceptre and the isle
Well-loved of me,"
a) Who does Ulysses entrust his kingdom to, in his
absence?
b) Bring out the significance of the 'sceptre'.
22. "That ever with a frolic welcome took
The thunder and the sunshine, and opposed"
a) What do 'thunder' and 'sunshine' refer to?
b) What do we infer about the attitude of the sailors?
- IV. Do as directed (Any three) 3x2=6
23. Report the disclosure.
Mrs. Joseph: Rachel, where did you buy this practical file
from? Can you buy one for me?
Rachel: Sure ma'am. Do you want exactly the same file?
24. Russia has a variety of natural resources, including oil,
natural gas, timber, iron ore, copper and lead.
(Rewrite into a compound sentence)
25. He did not invite her. She didn't come. (Combine using if)
26. Make an attempt of Description of the following: (1x3=3)
How will you fix a fuse?
- V. Explain any of two of the following with reference to context:
27. How dull it is to pause, to make an end, (1x3=3)
To rust unburnished, not to shine in use!
28. Dear is the Casuarina to my soul;
29. To follow knowledge like a sinking star,
Beyond the utmost bound of human thought.
- VI. Answer any of the two following questions in about 30 words,
each briefly: (2x3=6)
30. Why was the original zest fading away?
31. What will happen if the police man does not interfere with
traffic?
32. The soft snow was difficult and dangerous. Why?

33. Complete the proverbs using the word given below: (3x1=3)
a) Even Homer _____. (slips, sleeps, nods)
b) Darkest hour is just before the _____. (dusk, midnight, dawn)
c) Don't change horses _____. (mid stream, always, again)
- VIII. Answer any one of the following in a paragraph of about 150
words: (5)
34. The young soldier matched his emperor in courage and
patriotism. Elucidate your answer.
(or)
35. How did Hillary and Tenzing prepare themselves before they
set off to the summit?
- IX. Write a paragraph of 150 words by developing the following
hints: (5)
36. Ausable, private detective – automatic gun – Berlin – nice story
– balcony – displeasure – hotel management – Ausable's room
– times of danger – pre-ordered drinks – blatant lie – Max
jumped – suicidal jump – outwitted the spy.
(or)
37. Sermon on diligence – Roger demands half –day leave – value
of hard work – an impartial judge – switches off attention –
take notes – self-indulgent absent mindedness – escapes –
rewinds memory – hoodwinks the judge – interview the award
committee – judge was quite impressed – Mr. Clay's office –
orderly mind – excel in any learned profession.
38. Respond to the advertisement: (1x5=5)

<p>WANTED ENGINEERS</p> <p>for a leading chemical factory in Madurai, with 3 years of experience and computer knowledge.</p> <p>Eligible candidates can apply to: P.O.Box No:5858 Chennai – 600 002.</p>
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EVERWIN MATRIC. HR. SEC. SCHOOL

09.12.19 Pre Half Yearly Examination Marks: 60
STD: XII (I-J) AN ENGLISH Time: 2.15 hrs
Part I 18x1=18

I. Choose the most appropriate synonym for the underlined words from the options given below:

1. I have to accommodate my liberty to their liberties.
a) hinder b) hamper c) fit it with d) reject
2. One is liable to put in too much milk.
a) likely b) certain c) eager d) responsible
3. Our original zest had now quite gone.
a) enthusiasm b) boredom c) back up d) interest

II. Choose the most appropriate antonym for the underlined words from the options given below:

4. As the own set, Hillary and Tenzing crawled into the tent.
a) crept b) raced c) dragged d) plodded
5. The bottle of oxygen was now exhausted.
a) drained b) dead c) energized d) completed
6.then the end of such liberty would be universal chaos.
a) lawlessness b) rebellion c) confusion d) orderliness

7. Choose the American English word for “tire”.
a) rubber b) tyre c) wheel d) cycle
8. Choose the clipped form of the word ‘demonstration’.
a) demo b) demon c) station d) demons
9. Choose the blended form for ‘paratroops’.
a) parachute + troop b) parachute + troops
c) para + armytroop d) paranormal + troops

10. Choose the meaning of the foreign word in the sentence:
Our Principal is a bon homie.
a) good natured person b) cruel person c) glum person
d) ferocious man
11. Choose the correct plural form of the word calf.
a) calfs b) calve c) calves d) calfes
12. Choose the correct sentence pattern for the following sentence
We are meeting on Friday.
a) SVA b) SVOA c) SVC d) SVOC

13. Choose the correct combination for the compound word:
“Mind blowing”

- a) Adjective + Noun b) Noun + Gerund
- c) Gerund + Noun d) Noun + Verb

14. Choose the correct substitute word for the underlined word below:

How long have you been unemployed?

- a) without earning b) between jobs c) wandering
- d) wasting time

15. Fill in the blanks with relative pronoun:

This is the house _____ I was born.

- a) which b) when c) where d) that

16. Choose the expanded form of the acronym ‘SLET’.

- a) State Levels Eligibility Test b) State Level Eligibility Test
- c) States Levels Eligibility Test d) State Level Eligibility Tests

17. The term ‘Aesthetics’ denotes the study of _____.

- a) speech sounds b) dog training c) birds
- d) principles of beauty

18. Choose the option and complete the sentence :

One or other of those men ___ (has, have) lodged a complaint.

III. Read the following sets of the poetic lines and answer any four of the following: 4x2=8

17. A creeper climbs in whose embraces bound

No other tree could live.

- a) Mention the figure of speech used here.
- b) Why does Toru Dutt use the expression ‘a creeper climbs’?

18. ‘A Rugged people and thro’ soft degrees

Subdue them to the useful and the good.

- a) Mention the figure of speech used here.
- b) What do you mean by the word ‘subdue’?

19. “Legs wide, arms locked behind

As if to balance” the prone brow

Opressive with its mind”

- a) Whose action is described here?
- b) Pick out the rhyming words.

21. You know we French stormed Ratisbon.
a) What is the literary device used here?
b) Give out the meaning for 'stormed'.
- IV. Do as directed (Any two) 2x2=4
23. Rewrite the following in direct speech:
The King ordered the Hatter to take off his hat.
24. Change into a compound sentence:
Vikram is an intelligent student.
25. Change into other voice:
Common public examination will be conducted for 5th standard from this academic year.
- V. Answer any 2 of the following in brief: 2x3=6
26. How did the mountaineers belay?
27. Whom does the author call 'Misguided people I' what is his advice to them?
28. How would 'liberty' cause universal chaos?
- VI. Explain with reference to the context: (3x2=6)
29. When first my casement is wide open thrown
my eyes delighted on its rest. At dawn,
30. I cannot rest from travel: I will drink
Life to the lees.
31. To see your flap-bird flap his vans
Where I, to heart's desire perched him.
33. Complete the proverbs using the word given below: (3x1=3)
- a) A small leak will sink a _____ ship. (small, big, great)
b) A penny saved is a penny _____. (spend, earned, saved)
c) Bad news has _____. (feathers, wings, value)
- VIII. Answer any one of the following in a paragraph of about 150 words: (2x5=10)
34. a) The young soldier matched his emperor in courage and patriotism. Elucidate the answer.
(or)
b) How did Hillary and Tenzing prepare themselves before they set off to the summit?
35. a) Compare the character traits of Lord Weston and his wife.
(or)
b) Water is the elixir of life. Substantiate the statement with reference to the story of 'Life of Pi'.

IX. 36. a) Respond to the advertisement: (5)

WANTED

A Secretary for publishing company, M/F with atleast 2 years experience

Apply to:
The Managing Director,
XI Publishers,
Adyar
Chennai – 600 020.

X. 37. Describe the process of opening a bank account. (3)

09.12.19 Pre-Half Yearly Examination Marks:60
Std:XII [H] AN Economics Time:2.15 hrs

I. Choose the correct answer: 10x1=10

1. _____ was introduced by Mesopotomia tribes.
 - a. Metallic standard
 - b. Barter system
 - c. Gold standard
2. ARDC started functioning from _____.
 - a. July 1, 1963
 - b. June 1, 1963
 - c. July 3, 1963
3. Who is developed by the theory of absolute cost advantage?
 - a. Alfred Marshall
 - b. Robbins
 - c. Adam smith
4. Exchange rates are determined in _____.
 - a. money market
 - b. foreign exchange market
 - c. stock market
5. SAARC meets once in _____ years.
 - a. 2
 - b. 3
 - c. 4
6. The administrative reforms commission was set up is _____.
 - a. 1939
 - b. 1929
 - c. 1949
7. GST is equivalence of _____.
 - a. sales tax
 - b. local tax
 - c. income tax
8. Sarvodaya plan was advocated by _____.
 - a. J.P.Narayan
 - b. M.N.Roy
 - c. S.N.Agarwal
9. The term regression was used by _____.
 - a. Pearson
 - b. Galton
 - c. Newton
10. The raw materials of Econometrics are _____.
 - a. Data
 - b. Goods
 - c. Statistics

II. Answer any 6 of the following: 6x2=12

11. What is Econometrics?
12. Define economic development.
13. Differentiate tax and free.

14. Mention any two objectives of ASEAN.
15. What do you mean by balance of payments?
16. What is rationing of credit?
17. What is gold standard?

III. Answer any 6 of the following: 6x3=18

18. What is money supply?
19. Bring out the methods of credit control.
20. Explain the Net Barter terms of Trade and Gross barter terms of trade.
21. Mention any three lending programmes of IMF.
22. Describe canons of taxation.
23. How would you break the vicious circle of poverty?
24. Calculate the standard deviation for the following data.
X: 43, 48, 65, 57, 31, 60, 37, 48, 78, 59

III. Answer any 4 of the following: 4x5=20

25. Calculate Karl Pearson's co-efficient of correlation from the following data.

X	10	12	14	15	19	25	27
Y	40	41	48	60	50	55	59

26. Explain the principles of Federal Finance.
27. Bring out the functions of World Bank.
28. Discuss the various types of disequilibrium in the balance of payments.
29. What are the causes of inflation on the economy?

I. Choose the correct answer: 15x1=15

1. Sale of Goods Act was passed in the year ____.
 a. 1940 b. 1997 c. 1930 d. 1960
2. A person shall hold office as a director in _____ as per the companies act, 2013.
 a. 20 b. 15 c. 10 d. 5
3. A public company can pay remuneration not exceeding ____ of the net profit.
 a. 10% b. 11% c. 12% d. 13%
4. HAL stands for ____.
 a. Hindustan Aluminium Limited
 b. Hindustan AirIndia Limited
 c. Hindustan Administration Limited
 d. Hindustan Aeronautics Limited
5. A cheque will become stale after ____ months of its date.
 a. 3 b. 4 c. 5 d. 6
6. A company's products and prices is visually represented by ____.
 a. web portal b. electronic catalogue
 c. shopping cart d. revenue model
7. PMKVY focuses on all of the following except ____.
 a. agriculture b. apparel
 c. handicrafts d. none of the above
8. _____ creates a free and frank interactive environment.
 a. Unstructured interview b. Indepth interview
 c. Structured interview d. Online interview
9. Can investors lodge a complaints with SEBI?
 a. yes b. no c. their choice d. either of the above
10. The process of converting physical shares into electronic form is called ____.
 a. delisting b. materialisation
 c. debarring d. dematerialisation
11. The rules and regulations of stock exchange is framed by ____ guidelines.
 a. RBI b. SEBI c. Central Government d. BSE

12. New York Stock Exchange has a listed ____ of market capitalisation.

- a. \$19.223 trillion b. \$6.831 trillion
 c. \$6.187 trillion d. \$4.485 trillion

13. Soft commodities includes the following except ____.

- a. rubber b. wheat c. cotton d. sugar

14. A special resolution must be filed with the registrar within ____.

- a. 7 b. 14 c. 30 d. 60

15. Section states voting rights of shareholder.

- a. 43 b. 44 c. 45 d. 47

II. Answer the following: [Any 6] 6x2=12

16. Who can be an executive director?
17. List three characteristics of a promissory note.
18. List down the essential elements of contract of sale.
19. Explain Dalal street.
20. State e-learning method?
21. What is selection?
22. What are the various ID proofs?

III. Answer the following: [Any 6] 6x3=18

23. State the minimum number of directors for a private company.
24. Distinguish between negotiability and assignability.
25. Distinguish between sale and agreement to sell.
26. Explain stag and lame duck.
27. Write a note an trainer and trainee.
28. What are the limitations of stock exchange?
29. What do you mean by insiders trading?

IV. Answer the following: 3x5=15

30. Write the difference between share certificate and share warrant.
31. Distinguish a cheque and a bill of exchange.
32. Explain the functions of SEBI.
33. Explain Lombard street and wall street.