Adda247

FOR ALL ASSERTION & REASON TYPE QUESTIONS

ெபா அறி¢ GENERAL STUDIES

PAPER – I

ேநரA: 3 மண\ ெமா$த மதிMெப%கe: 300

Duration: 3 Hours Max. Marks: 300

வ\%ணMப$தார]க¢&கான ெபா $றிM]கe:

General Instructions to the Candidates:

i) வ\ன ா&கA பEடMபgM] தர$தி$A, வ\fiவாக வ\ைடயள\&ØA வைகய\$A உAள .
This Question Paper is descriptive type in Degree Standard.

ii) வ\ன ா$தாளான தமி@ ம)¢A ஆNகில வgவNகள\e உAள . ஏேத)A ச)ேதகA இ¶Mப\Æ, ஆNகில வgவ\e தரMபE{Aள Øறி M]கேள @gவான .
The Question paper is printed in Tamil and English versions. In all matters and in cases of doubt English Version is final.

iii) இ$ேதJைவ ெபா¢$தவைர, அழகாக எfl வத)ேகா ம)¢A ப\ழய\eலாமe எfl தியத)காகேவா தன\யாக மதிMெப%கA ஒ &கMபடவ\eைல.
There is no reservation of marks for neatness of execution and correctness of spelling in respect of this paper.

ப\fi¢ - அ SECTION – A

(மிக& சிறிய அளவ\Œ வ\ைடயள\&$A வ\னா வைக)

(Very Short Answer Type)

i) ஒAெவாÆறி)ØA 30 ெசா)க¢&Ø மிகாமe வ\ைடயள\&க¢A.
Answer not exceeding 30 words each.

ii) ஒAெவா¶ வ\னாவ\)ØA øÆ¢ மதிMெப%கA
Each question carries three marks

iii) ெகா{&கMபE{Aள @Mப$ைத) வ\னா&கள\e எைவேய)A @Mப வ\னா&க¢&Ø மE{A வ\ைடயள\&க¢A.
Answer any thirty questions only out of thirty five questions.

(30×3 = 90)

UNIT - 1

1) 'ெசÆைன மாநிலA எÆற ெபயJ தமி@ நா{' எÆ¢ மா)றMபEட எAவா¢?
How was the name Madras State changed into Tamil Nadu?

2) 'ெசÆைன மாநில$தி Æ ¢லக இய&கNகள\Æ த)ைத' எÆ¢ அவ\னாசிலிNகA ெசEgயாJ அவJகளைM]கழ @g]A' -இ&®)ைற நியாயMப{$ க.
Avinashilingam Chettiyar can be counted as 'The Father of library Movement in Madras State – Justify.

3))னா உடÆபg&ைகய\Æ @&கிய$ வ$ைத &¶ &கமாக வைரக. Sketch the importance of the Poona Pact.

4) கJநாEg& இைசய\Æ @தÆைம இயe]களை& Øறி Mப\{க
Point out the Chief features of the Carnatic music.

5) 1964 ஆA ஆ%{ உண¢ ப\ர&சைனைய எதிJெகாAள லாe பகNJ சா#தி fi எ{$த நடவg&ைககA யாைவ?
What were the measures taken by lal Bahadur Shastri to tackle the Food crisisof 1964?

6) @#&Aகளை @Æேன¢தி e அலிகாJ இய&க$தி Æ பNகிைன& Øறி Mப\{க
Point out the Aligarh Movement' role in uplifting Muslims

7) ஜாலியÆ வாலாபா& ப{ெகாைல ஏÆ நிக@)த ?
Why did Kallian WallaBagh Massacre take place?

8) கா)தி ஜிய\Æ &ேதசி தி Eட$தி Æ @&கிய$ வ$ைத

9) ெப%கள\Æ ேமAபாEg)Ø ேந¶ அர& ெகா%{ வ)த சEடNகA யாைவ?
What were the acts passed by Nehru Government for the upliftment of women?

10) சøக சீJதி¶$த இய&க$தி)Ø ஈ#வJ ச)திர வ\$யாசாகfiÆ @&கிய பNகிைன ®¢க
Mention the important contributions of Ishwar Chandra Vidhya Sagar in social reform movement

11) "கத& நாEgய$தி Æ"சிறM]கைள வைரக
Write the significance of "Kathak" dance

12) 1885 ஆA ஆ%{ காNகிர# கEசிய\Æ @தA மாநா{ @Aைபய\e நட$தMபEட ஏÆ?
Why was the First Congress Confewrence held at Bombay in 1885?

UNIT – II

13) x எÆற எ% y எÆற எ%ைண வ\ட 10% Øைற) A, y எÆற எ%ண\Æ மதிM] 130ைய வ\ட 10% அதிகமாக¢A இ¶)தாe, x Æ மதிM] கா%க
If a number x is 10% less than another number y and y is 10% more than 130, then find x

14) ஒ¶ பண$ ெதாைகய\Æ மªதான தன\வEgயான @த&E{ ெதாைகய\e $\frac{4}{9}$ பØதியாØA. வEg வத் A ம)¢A காலA ஆகியன எ% மதிMப\e சமA என\e, அவ)ைற& கா%க
The simple interest on a sum of money is $\frac{4}{9}$ of the principal.
Øறி Mப\{க Trace the significance of the Swadeshi Programme of Gandhiji?

Find the rate of interest and time if both are numerically equal.

15) ஒ¶ ப## ச&கர$தி Æ வ\EடA 140 cm. ஒ¶ மண\ ேநர$தி e 66 km ேவக$ைத த&க ைவ$ ச&கரA ஒ{A ேபா எ$தைன &ழ)சிகA ஒ¶ நிமிட$தி e ஏ)ப{$ A?

The diameter of the wheel of a bus is 140 cm. How many revolutions per minute must the wheel make in order to keep a speed of 66 km per hour?

16) a:b=5:9:b:c=4:7 ஆக இ¶Mப\Æ a:b:c - Æ மதிMைப கா%க.

If a:b=5:9:b:c=4:7 Find a:b:c

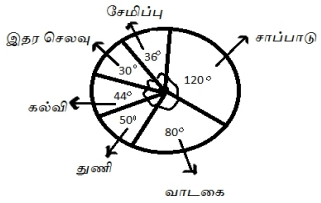
17) ®E{& சராசfiய\Æ கண&கியe ப%]கைள எfl .

Write the mathematical properties of Arithmeticmean

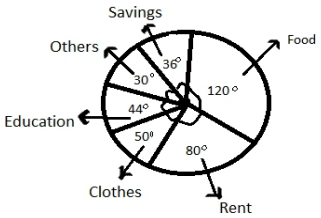
18) ஒ¶ Ø{Aப$தி Æ 2005 ஆ%g)கான ெசல¢ வ\வரA கீ@&கா$A வEட வைரபட$தி e ெகா{&கMபE{Aள .

ெமா$த ெசல¢ 900 என\e வாடைக, கeவ\ ம)¢A ேசமிMப\Æ ெதாைலய\ைன& காண¢A.

The following is the pie-chart showi



ng the expenditure in the year 2005 of a family. If the total expenditure is 900, then what is the amount spent on food, rent,education and savings?



19) ஒ¶ ம¶$ வமை◌ன பதி◌ேவEge மகM◌ேப)றி)க◌ாக மகள\J தNகி◌ய\¶)த ந◌ாEகள\Æ வ\பரA க◌ீேழ ெ◌க◌ா{&kMபE{Aள

தNகி◌ய\ ¶)த ந◌ாEகள\Æ எ%ண\&◌ைக	3	4	5	6	6 ந◌ாEக◌ைள வ\ட அதிகA
மகள\J எ%ண\&◌ைக	15	32	56	19	5

எவ◌ேர)A ஒ¶வ◌ர சமவ◌ாuM] @◌ைறய\e ◌ேதJ)◌ெத{&ØA ◌ேப◌ா அவJ Ø◌ைற)த பEசA 5 ந◌ாEகA தNகி◌ய\¶&க நி◌க@தக¢ எÆன?

A Hospital records indicated that maternity patients stayed in the hospital for the number of days as shown in the following

No.Of days:	3	4	5	6	More than 6
No.of patients	15	32	56	19	5

If patients was selected at random find the probability that the patient stayed at least 5 days.

20) ஒ¶ ஜ◌ாgய\e 1 சி◌கM] 3 ப&◌ைச, 2 நª◌லA, 4 மஞ்சA ப) கA உAளன. ஜ◌ாgய\ல◌ி¶) ஒ¶ ப)◌ைத எ{$த◌ாe அ ப&◌ைசய◌ாக◌ேவ◌ா அ◌ெல மஞ்சள◌ாக◌ேவ◌ா இ¶Mபத)Ø நி◌க@தக¢ ய◌ா ?

A jar contains 1 red, 3 green, 2 blue and 4 yellow balls. If a ball is chosen at random from the jar what is the probability it is yellow or green?

21) க◌ீேழ ெ◌க◌ா{&kMபE{Aள நி◌ன◌ைனவகNகள\Æ வ\fiவ◌ா&க$◌ைத தர¢A

(அ) CD-ROM (ஆ) EEPROM (இ) DRAM

Expand the following memories:

(A) CD-ROM (B) EEPROM (C) DRAM

22) நி◌க%{ எÆற◌ாe எÆன? ஒ¶ க◌ி◌ேல◌ா எ%◌மி&கள\Æ எ$தன◌ை நி◌க%{கA உAளன? EBCDIC எÆபதÆ வ\fiவ◌ா&கA எÆன?

What is a nibble? How many nibbles that a kilobyte contains? What does EBCDIC stands for?

UNIT –III

23) ண\கள◌ை &$தA ெ◌சuவத)Ø சல◌ைவ ◌ேச◌ாM] எAவ◌ா¢ உத¢கிற ?

Howdoes detergent soap help in cleaning the clothes?

24) ஒJ ஒள\ ஆ%{ எÆற◌ாe எÆன? அதÆ மதி◌Mப\◌ைன அதÆ SI அல◌ேக◌ா{ த¶க

What is one light year? Give its value with units is SI system

25) ஒ¶ இ◌ைண தE{ மி◌Æேத&கி◌ய\ன , மி◌Æ ◌ேத&Ø தி◌றன◌ை ப◌ாதி&ØA க◌ாரண\கA ய◌ாை◌வ?

What factors affects the capacitance of a parallel plate capacitor?

26) கள◌ை&◌ெக◌ாeலி◌கA எAவ◌ா¢ வை◌கMப{$தMப{கி◌Æறன? ஒA◌ெவ◌ாÆறி)ØA ஒJ உத◌ாரணA த¶க

How are herbicides classified? Give one example each

27) சை◌மயe உM] (◌ேச◌ாgயA Ø◌ேள◌ாை◌ர{) நªfie கை◌ர) Aல . அ அமி◌ல$தÆ◌ைம (அ) க◌ார$தÆ◌ைம (அ) ந{ நி◌ை◌ல$தÆ◌ைம உAளதா? கார◌ணA ®¢

The Table Salt (Sodium chloride) is dissolved in water. Will the solution be acidic?(or) basic (or) neutral? Why?

28) ◌ெச◌ே ◌ேக◌ாEப◌ா{ எÆற◌ாe எÆன? அ&◌ேக◌ாEப◌ாE◌ைட @Æ◌ெம◌ாழி)தவJகA ய◌ாவJ?

What is cell theory? Who proposed the cell theory?

29) ஊய\fi நகல◌ா&க$தி◌e பயÆப{$தMப{A ØÆ¢ Øல&®¢ க¶வ\கை◌ள]A அவ)றி◌Æ த&க பயÆகை◌ள]A ெ◌பயfi{க

Give any three molecular tools in gene cloning and their respective functions.

30) ◌ேப◌ாJ வ\◌ை◌ள¢ - வை◌ரய¢

Define Bohr effect

31) ப◌ாe ப\◌ை◌ணM] ஜÆகA எÆற◌ாe எÆன?

33) ம¶) ◌ெப◌ா¶A தவற◌ான பயÆப◌ா{ (Drug Abuse) எÆற◌ாe எÆன?

What is Drug Abuse?

34) அமி◌ல மை◌ழ - வை◌ரய¢.'Acid Rain' - Define

35) ஒ¶ எ%மி◌ய\e எ$தன◌ை ¢%மி&கA இ¶ &ØA?எ$தன◌ை கிலஒ எ%மி&கA ஒ¶ ◌ெமகா எ%மி◌ை◌ய& Øறி&கிற ? ASCII எÆபதÆ வ\fiவ◌ா&கA எÆன?

How many bits does a byte contain? How many bilobytes does one megabyte represent? What does ASCII stands for?

ப\fi¢ - ஆ SECTION – B

(&¶&கம◌ாக வ\◌ை◌டயள\&$A வ\ன◌ா வ◌ை◌க)

(Brief Answer Type)

$றி◌M]: Note:

i) ஒA◌ெவ◌ா¶ வ\ன◌ாவ\)ØA 120 ◌ெச◌ா)க¢&Ø மி◌க◌ாமe வ\◌ை◌டயள\&க¢A.

Answer not exceeding 120 words each question

ii) ஒA◌ெவ◌ா¶ வ\ன◌ாவ\)ØA எE{ மதி◌M◌ெப◌ுகA

Each question carries eight marks

iii) ெக◌ா{&kMபE{Aள பதி◌ெனE{ வ\ன◌ா&கள\e எை◌வ◌ேய)A பதி◌ை◌ன) வ\ன◌ா&க¢&Ø மE{A வ\◌ை◌டயள\&க¢A.

Answer any fifteen questions only out of eighteen questions.

(15X8=120)

UNIT - I

36) சஞ்க @Æன)ற$தி)Ø நªதி& கEசி ஆ)றிய ◌ேசை◌வகை◌ள வ\fiவ◌ாக எfl க

Elaborate the services of the Justice party for the upliftment of the society

37) 1993 ஆA ஆ%{ பஞ்சா◌ய$ர◌ா$ சEட$தி◌Æ சி◌றM]கை◌ள ஆuக

Discuss the salient features of Panchayat Raj Act of 1993

38) 1953 ஆA ஆ%{ எÆ தன\ ஆ)தி◌ர ம◌ாநி◌லA உ¶வ◌ா&கMபEட ?

Why a separate Andhra state was created in 1953?

39) தி◌ர◌ாவ\ட ந◌ா{ Ø◌றி$த ஈ.ெவ.ர◌ா.ெ◌பfiய◌ாfiÆக¶ $தி◌ய\e வ◌ை◌ரவ\◌ை◌ன மதி◌M\{க

Assess E.V.R Periyar's conceptual framework of Dravidanadu

40) தமி◌ழக$தி◌e 'ெப◌ாE{ கE{தe; பழ&கA எAவ\தA ஒழி&கMபEட ?

How was the socialevil of 'Pottu kattuthal' abolished in Tamil Nadu?

41) ெசÆ◌ைன ம◌ாநி◌ல$தி◌e ப\)◌ே◌ப◌ா&Ø வ◌ாதி நி◌லம◌ான\ய @◌ைறய\Æ எ&சNகA எAவ\தA நª &கMபEடன?

How was the remains of the repressive feudalism done away with in madras state?

UNIT-II

42) ச ர$தி◌Æ அ◌ை◌ன$ ப&கNக¢A 25% வதீ $தி◌e அதி◌கம◌ான◌ர,பரMபளவ\Æ சதவத ம◌ா)ற$◌ை◌த க◌ா%க

If each sideof square is increased by 25% Find the percentage change in its area.

43) இர%{ எ%கள\Æ மª.◌ெப◌ா.ம 14 மடNØ மª.◌ெப◌ா.வ ஆக இ¶ Mப\Æ , மª .◌ெப◌ா.ம, மª .◌ெப◌ா.வ வ\Æ ®E{$ ◌ெத◌ா◌ை◌க 600ஆக¢A ஒJ எ% 280 ஆக இ¶ Mப\Æ ம)◌ெற◌ா¶ எ%◌ை◌ண& கார◌ண¢A

L.C.M of two numbers is 14 times their H.C.F The sum of L.C.M and H.C.F. is 600 if one number is 280 then find the other

44) ஒ¶ சர◌ாசfiய\Æ பண\கை◌ள வ\வfi&க¢A

Explain the functions of an average

45) ஒ¶ 40 வயத◌ாØA மை◌னவ\ ஆனவA 70 வய வை◌ர

உய\◌ே◌ர◌ா{ இ¶Mபத)க◌ான நி◌க@தக¢ ம)¢A 50 வயத◌ாØA

What do you mean by sex—linked genes?

32) ோகாடாரÆகைள ஆÆgோகாடாரÆகள்லி¶T) ோவ¢ப{$தி& ®¢

Differentiate codons from anticodons

கணவÆ 80 வய வைர உய்ேரா{ இ¶Mபத)கான நி@தக¢

3

7 ஆØA. க@க%ட நி@தக¢கைள& கா%க

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அ) இர%{ ே◌ப¶A உய\ே◌ர◌ா{ இ¶Mபத)க◌ான நி◌க@தக¢ ஆ) மை◌னவ\ மE{A உய\ே◌ர◌ா{ இ¶ Mபத)க◌ான நி◌க@ தக¢ இ) ஒ¶வJ மE{A உய\ே◌ர◌ா{ இ¶Mபத)க◌ான நி◌க@தக¢ Ø◌ை◌ற)த பEசA ஒ¶வர◌ா உய\ே◌ர◌ா{ இ¶ Mபத)க◌ான நி◌க@தக¢ ஆக◌ியவ)◌ை◌ற& க◌ாண¢A.

A Wife who is 40 years old living till she is 70 with probability $\frac{5}{13}$ as the husband who is 50 years old living till he is 80 with probability $\frac{3}{7}$, Find the probability that (a) Both will be alive (b) only wife will be alive (c) only one will be alive (d) atleast one will be alive.

46) தர¢ ே◌த&க$தி◌Æ ெ◌க◌ாAளளை◌வ எAவ◌ா¢ உயJ$த @g]A? அ Ø◌றி$ எfl◌த¢A.

How can one increase data storage capacity> rite about it.

UNIT - III

47) Ø◌ை◌ற கட$தி◌ய\e பயÆப{$தMப{A P- வ◌ை◌க ம◌ா&கள\ர%g◌ை◌ன& Ø◌றி◌Mப\{. இ◌ை◌வ ஒ¶ Ø◌ை◌ற கட$தி◌ய\◌ை◌ன ம◌ா&ப{$ A ே◌ப◌ா எÆன ெ◌ச◌uக◌ிÆறÆ பg◌க அண\&ே◌க◌ா◌ை◌வய\ன பட◌A வ◌ை◌ர) ெ◌ஜJம◌ான\ய$தி◌e நை◌ட◌ெப¢A ம◌ா&ப{$ A நி◌க@வ\◌ை◌ன வ\ள&Ø

Mention any two materials used as 'P' type impurities in semiconductors. What does it do when doped in a semiconductor? Draw the crystal lattice disgram and explain the doping phenomenon in Germanium.

48) க◌ாJே◌ப◌ார%ட$தி◌Æ தய◌ாfiM] ம)¢A பயÆகள◌ை எfl க

Write the preparation and uses of carborundum.

49) &வ◌ாச ே◌க◌ாEப◌ா{ வ◌ை◌ரய¢$ அ எAவ◌ா¢ &வ◌ாச ø◌ல&®¢ ெ◌ப◌ா¢$ ம◌ா¢ப{கி◌ற எÆப◌ை◌த வ\ள&Ø◌க

Define Respiratory Quotients (RQ) and describe how it varies with respiratory substrates.

50)]◌ே◌ர◌ே◌கfi◌ே◌ய◌ாg& ெ◌ச◌eகள\ல◌ி

¶))◌ே◌கfi◌ே◌ய◌ாg& ெ◌ச◌e எAவ◌ா¢ ே◌வ¢ப{கி◌ற ?

State the differences between eukaryotic and prokaryotic cell.

51) ே◌ப◌ாை◌த ெ◌ப◌ா¶A பயÆப◌ாEg)க◌ான க◌ாரணNக◌ை◌ள வ\ள&Ø◌க

Examine the causes of drug abuse

52) &)¢&$ழe ம$ த◌ான அம◌ில ம◌ை◌ழய\Æ ப◌ாத◌ி◌Mப\◌ை◌ன மத◌ி◌Mப\{க Assess the damage caused by the acid rainfall on environment

53) இர%gÆ நி◌ரM] @◌ை◌றய\e ப\Æவ¶A &ழ◌ி$◌ை◌ல ெ◌ச◌uய¢A அ) 11000-10000 ஆ) 10101-10001

Subtract using '2's complement

A) 11000-10000 B) 10101-10001

ப\fi¢ - இ SECTION – C

(வ\fiவ◌ாக வ\◌ை◌டயள\&$A வ\ன◌ா வ◌ை◌க)

(Detailed Answer Type)

$ற◌ி◌M]: Note:

i) ஒA◌ெவ◌ா¶ வ\ன◌ாவ\)Ø◌A 250 ெ◌ச◌ா)க¢&Ø மி◌க◌ாமe வ\◌ை◌டயள\&க¢A.

Answer not exceeding 250 words each question

ii) ஒA◌ெவ◌ா¶ வ\ன◌ாவ\)Ø◌A பத◌ி◌ை◌ன) மத◌ி◌M◌ெப%கA

Each question carries fifteen marks

iii) ெ◌க◌ா{&கMப{E{Aள ஒÆப வ\ன◌ா&கள\e எ◌ை◌வ◌ே◌ய)A ஆ¢ வ\ன◌ா&க¢&Ø மE{A வ\◌ை◌டயள\&க¢A.

Answer any Six questions only out of nine questions.

(6X15=90)

UNIT - I

54) தல◌ி$ கள\Æ ே◌மAப◌ாEg)Ø உ◌ை◌ழ$த @தe தை◌லவJ @Æே◌னற ை◌வ$தன எÆப◌த)க◌ான வரல◌ா)◌ை◌ற 1916A ஆ%{ வ◌ை◌ர ஆu¢ ெ◌ச◌uக.

In India, examine how the various socio-religious organizations and movements uplifted the backward Muslims in the National Scenario upto 1916.

56) மக◌ா$ம◌ா க◌ா)த◌ி ஒ¶ ச◌ிற)த அரச◌ியe தை◌லவJ மE{மeல

ம◌ாற◌ாக மி◌க& ச◌ிற)த சø◌க ெப◌ா¶ள◌ாத◌ார ச◌ீJத◌ி¶ $தவ◌ாத◌ி"

ே◌மே◌ல ®றMபEட வ◌ா&க◌ிய$தி◌Æ அgMப◌ை◌ட◌ய\e க◌ா)த◌ி◌யgகA

இ)த◌ிய◌ாவ\)க◌ாக ெப◌ா¶ள◌ாத◌ாரA ம)¢A சø◌க$த◌ி)Ø ஆ)ற◌ிய

ெத◌ா%g◌ை◌ன ஆர◌ாu◌க.

Mahatma Gandhi was not only a great political leader but also great socio-economiuc reformer? In view of the above statement evaluate Gandhijis contribution to the economic and social spheres of India.

UNIT – II

57) ஒ¶ ே◌வை◌ல◌ை◌ய Q-¢A R-A ே◌சJ) ெ◌ச◌u]A அ◌ே◌த ே◌நர$த◌ி◌e

P-ய◌ாre ெ◌ச◌uய@g]A P-]A Q-¢A ே◌சJ) அ◌ே◌த ே◌வை◌ல◌ை◌ய

12 ந◌ாEகள\e ெ◌ச◌u @g&க @g]A. அ◌ெம$A R மE{A அ◌ே◌த ே◌வை◌ல◌ை◌ய 60 ந◌ாEகள\e @g&க @g]A எÆற◌ாre Q-

வ◌ாre எ$த◌ை◌ன ந◌ாEகள\e அ)த ே◌வை◌ல◌ை◌ய @g&க @g]A?

P can do a work in the same time as Q and R together. Also, P and Q together can do the same in 12 days. R alone does in 60 days. In how many days can Q do it alone?

58) ஒ¶ இ¶ வழ◌ி&ச◌ார◌ை◌லய\e Ø◌ற◌ி◌Mப\Eட ஒ¶ நஆள\e ஒ¶ க◌ாவலJ வ◌ாகனNகள\Æ ே◌வக$◌ை◌த ே◌ச◌ாத◌ை◌ன ெ◌ச◌uத◌ா. அவJ ே◌ச◌ாத◌ை◌ன ெ◌ச◌uத160 வ◌ாகனNகள\Æ ே◌வகNகள\Æ நி◌க@ெ◌வ% பEgwe க◌ீ◌ே◌ழ ெ◌க◌ா{&கMப{E{Aள .

ே◌வகA (க◌ீ.ம$ /மண\)	20-29	30-39	40-49	50-59	60-69	70 A அத)Ø ே◌ம$A
வ◌ாகனNகள\Æ எ%ண\&◌க	14	23	28	35	52	8

ஒ¶ வ◌ாகன$◌ை◌த& சமவ◌ாuM] @◌ை◌றய\e ே◌தJ)◌ெ◌த{&ØA

ே◌ப◌ா அதÆ ே◌வகA

அ) 69 க◌ி.ம$/மண\ -ஜ வ\ட அத◌ி◌கம◌ாக

ஆ) 20 க◌ி.ம$/மம◌ி◌ய\ல◌ி¶) 39 க◌ி.ம$/மண\ வ◌ை◌ர

இ) 60 க◌ி.ம$/மண\&ØA Ø◌ை◌றவ◌ாக

ஈ)40 க◌ி.ம$/மண\ய\ல◌ி¶) 69 க◌ி.ம$/ மண\ வ◌ை◌ர

ஒA◌ெவ◌ா¶ $ழeகள\Æ நி◌க@தகவ\◌ை◌ன க%{ப\g

On a Particular day a policeman observed vehicles for speed check. The frequency table shows the speed of 160 vehicles that pass a radar speed check on dual carriage way

Speed (Km/h)	20-29	30-39	40-49	50-59	60-69	70 & above
No.of. Vehicle	14	23	28	35	52	8

Find the probability that the speed of a vehicle selected at a random is

a) Faster than 69 Km/h

b) Between 20-39 Km/h

c) Less than 60 Km/h

d) Between 40-69 Km/h

UNIT-III

59) இய)◌ை◌கய\e அ◌ை◌ம)த◌ி¶&ØA அgMப◌ை◌ட வ\◌ை◌சகள\Æ ஏ◌ே◌த)A ø◌Æற◌ி◌ை◌ன& ®ற◌ி. வ\fiவ◌ாக வ\ள&Ø◌க

State and explain in detail any three of the fundamental forces in nature

எÆற அgMபைடயle அேயா$தி தாச ப%gதைரM
ப)றி எfl க
Write about Ayothi Dasa Pandithar as the First Champion of dalits upliftment.

55) இ)தியாவle ெவAேவ¢ சமய சØக இய&கNகA எAவlதA பlÆ தNகிய இகலாமிய& சØக$ைத ேதசிய அளவle

—

—

60) காeவானl& மிÆகல$திÆ வணlflதியான பயÆ பாEgைன
வlவfi
Discuss the commercial applications of Galvanic cells

61) மனlதJகளlÆ வா@&ைக ேமAபாEge தாவரNகளlÆ பNØ
ப)றி வlfiவாக எflத¢A
Enumeratethe importance of plants in human welfare

62) மனlத ஆேரா&கிய$திe &)¢& $ழலிÆ பNகிைன வlள&Øக
Explain the role of environment in human health

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PAPER – II

ேநரA: 3 மணி **ெமா$த மதிMெப%கe: 300**

Duration: 3 Hours **Max. Marks: 300**

பிfi¢ - அ SECTION – A

(மிக& சிறிய அளவிŒ விடையளி&$A வினா வைக)

(Very Short Answer Type)

$றிM]: Note:

i) ஒAெவாÆறி)ØA 30 ெசா)க¢&Ø மிகாமe விடையளி&க¢A.
Answer not exceeding 30 words each.

ii) ஒAெவா¶ வினாவி)ØA øÆ¢ மதிMெப%கA
Each question carries three marks

iii) ெகா{&கMபE{Aள @Mப$ைத) வினா&களிe எைவேய)A @Mப வினா&க¢&Ø மE{A விடையளி&க¢A.
Answer any thirty questions only out of thirty five questions.
(30×3 = 90)

UNIT - 1

1) நகராEசியிÆ வ¶வாu&கான வfi சாராத ஆதாரNகA யாைவ?
What are the non-tax sources of Municipal revenue?

2) நிதி ெந¶&கgைய பிரகடனMப{$ வத)கான அg$தளNகA யாைவ?
What are the grounds for the proclamation of Financial Emergency?

3) இ)திய அரசியலைமMபிe'அEடவைணMபØதிகA' எÆபதிÆ ெபா¶ைள வைரய¢
State the meaning of " Scheduled Areas" In the Constitution of India

4) அரசியலைமM] இைணM]& சEடமிய)றe எÆறாe எÆன?
What is Legislation to Supplement the Constitution?

5) அரசியலைமM]பfiகாெரளfiைம]டÆ ெதாடJ]ைடய நªதிM ேபராைணகA யாைவ
What are the writs associated with the Right to constitutional remedies?

6) "இ)தியா, அதாவ பாரதA, மாநிலNகளிÆ ஒÆறியமாக இ¶&கA" அரசியலைமM] விதி1 ®¢வதிÆ தா&கNகைள &Eg& காE{க
"India, that is Bharat, shall be a union of states" – Point out the implications of this Article 1 of the constitution

7) "ெமuபி&கMபEட தவறான நட$ைத" &காக ஒ¶ உ&ச நª திமÆற நªதிபதிைய நª&கA ெசuவத)கான அரசியலைமM]சாJ விதி @ைறகA யாைவ?
What are the constitutional Provisions to remove a Supreme Court Judge for "proven Misbehaviour"?

8) இ)திய அரசியலைமM] சEட$திe எMேபா அgMபைட கடைமகA ேசJ&கMபEட ?
When were the Fundamental duties incorporated in the Constitution of India?

9) இ)திய உ&ச நªதிமÆற$திe இ¶&ØA ேமe @ைறய{களிÆ வைககைள வfiைசMப{$ க
List out the types of appeals in the Supreme court of India

10) சøக தணி&ைகயிÆ Øறி&ேகாA ப)றி ®¢க
State the objectives of Social Audit

11) ப&ைம வ{ வா]&கA யாைவ?
What are Green Houses gases?

12) இனA எÆபைத வைரய¢
Define Ethnicity?

13) மா&ப{தe எÆபைத வைரய¢$ &¶&கமாக எfI க
Define pollution and briefly explain

14) [redacted]

15) அEசேரைக எÆறாe எÆன?
What are latitudes?

16) பாைறM பg¢ எÆபதÆ ெபா¶A யா ?
What is meant by Regolith?

17) வள\ ம%டல$தி‍e அ◌ேர◌ாரா ◌ேப◌ாfiயe# எAவ◌ா¢ உ%டாகிÆற
How the Aurora borealis are formed in the atmosphere?

18) ந◌ாJ◌ெவ#டJ# க◌ா)¢ எAவ◌ா¢ உ¶வ◌ாக◌ிÆற ?
How Norwesters wind are formed?

19) 'பஹ◌ாfiÆ யரA' என அற◌ியMப{A ஆ¢ எ ? ஏÆ?
Which of the river is known as "Sorros of Bihar?" why?

20) இ)த◌ிய◌ாவ\e ப◌ாE ந◌ிலMபØத◌ி எÆ¢ எ)த பØத◌ி அ◌ைழ&கMப{க◌ிÆற ?
Which part s called pat lands in India?

UNIT-II

வ\%ணMபத◌ாரJகA க◌ீ◌ேழ ◌ெக◌ா{&கMபE{Aள 21 @தe 27 வ◌ைர]Aள தம◌ி@ ◌ெம◌ாழ◌ி வ\ன◌ா&கA (அeல) 28 @தe 34 வ◌ைர]Aள ஆNக◌ில ◌ெம◌ாழ◌ி வ\ன◌ா&கA இ◌ைவகள\e ஏ◌ேத)A ஒ¶ ◌ெம◌ாழ◌ி வ\ன◌ா&கை◌ள மE{◌ேம ◌ேதJ¢ ◌ெசu வ\◌ைடயள\&க¢A இ¶ ◌ெம◌ாழ◌ி வ\ன◌ா&கை◌ள& கல) ◌ேதJ¢ ◌ெசuய&®ட◌ா .

Applicants may choose either Q. Nos.21 to 27 given in Tamil Language (Or) Q. Nos,28 to 34 given in English language. Applicants may choose one set of questions from any one language and shall not select questions from both language.

தம◌ி@ வ\ன◌ா&க¢&Ø தம◌ிழ◌ி$A (அeல) ஆNக◌ில வ\ன◌ா&க¢&Ø ஆNக◌ில$த◌ி$A மE{A வ\◌ைடயள\&க¢A

Answer Tamil Question only in Tamil
(or) English question only in English

21) ◌ைசவ, ◌ைவணவ ◌ெநற◌ிக¢&Ø இ◌ைடய\ல◌ான இர%{ க¶$த◌ா&க ◌ேவ¢ப◌ா{கை◌ள எfI க

22) இ)த◌ிர வ\ழ◌ா-வ\ள&கA த¶க

23) ◌ெசM◌ேப{கA -Øற◌ிM] வ◌ைரக

24) ◌ைசவ சமயA Øற◌ிMப\{A ஜ)தவ$◌ைதகA ய◌ா◌ைவ?

25) 'ச◌ி$த◌ிரக◌ாரM]ல◌ி' - Øற◌ிM] வ◌ைரக

26) 'Ø)றA ப◌ாJ&க◌ிe &)றA இe◌ைல' எÆப◌ைத ப)ற◌ி Øற◌ிM] வைரக

27) சøக ச◌ீJத◌ி¶$த& க¶$ &கை◌ள$ தA ப◌ாடeகA வழ◌ி ◌ெவள\Mப{$த◌ி◌ேய◌ாJ ய◌ாவJ?

(அŒல) (Or)

Comprehension:
Read the following passage carefully and answer the questions given below:

The greatest enemy of mankind, as people have discovered, is not science, but war-science, merely reflects the prevailing social forces. It is found that, when there is peace, science is constructive: when there is war, science is perverted to destructive ends. The weapons which science gives us do not necessarily cause war: they make war increasingly terrible. Till now, it has brought us to the doorstep of doom, our main problem, therefore, is not to curb Science, but to stop war-to substitute law for force, and international government for anarchy in the relations of one nation with another. That is a job in which everybody must participate, including the scientists. But the bombing of Hiroshima suddenly woke us to the fact that we have very little time. The hour is late and our work has scarcely begun. Now we are face to Face with an urgent question – 'Can education and tolerance, understanding and creative intelligence run fast enough to keep us abreast with our own mounting capacity to destroy?" That is the question which we shall have to answer one way or the other in this generation. Science must help us in arriving at the answer, but the main decision lies with ourselves.

QUESTIONS:-

28) Who, according to the writer, is the real enemy of mankind?
29) How is science used during war and peace?
30) What is our main problem?
31) How can we stop war?
32) What did the bombing of Hiroshima wake us up?
33) What is the urgent question, we face, now?
34) Where does the main decision lie?

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UNIT-III

35) 'அ%ணe கா)தி நிைனȼ வி¶ ' - Ø றிM] எfl க
Write a note on "Annal Gandhi Memorial Award?

36) கவJனfiÆ வி¶Mப அதிகாரNகைள& Ø றிMபி{க
State the discretionary powers of the Governor

37) ம$திய பணியாளJ ேதJவாணைய$திÆ உAளட&கNகA யாைவ? What is the composition of Union Public Service Commission?

38) நிதி மேசாதா - வைரயȼ? Define Money Bill

39) மாவEட சØக நல அ$வலfiÆ பணிகA Ø றி$ சிȼ Ø றிM] வைரக
Write a short note on functions of the District Social Welfare Officer.

40) Ø ைற)தபEச ேதைவகA திEடA Ø றி$ சிȼ Ø றிM] எfl க
Write a note on Minimum Needs Programme (MNP)

41) உலக வNகி Ø றிMபி{A நe ஆȼைகயிÆ ஆȼ Ø றியª {கA யாைவ?
What are the six indicators of good Governance according to world Bank?

42) பாராȼமÆற நிதி அதிகாரNகைளM ப)றி &¶&கமாக எfl க
Write a brief note on financial powers of the Parliament.

பிfiȼ - ஆ SECTION – B

(&¶&கமாக விடையளி&$A வினா வைக)

(Brief Answer Type)

$றிM]: Note:

i) ஒAெவா¶ வினாவி)ØA 120 ெசா)கȼ&Ø மிகாமe விடையளி&கȼA.
Answer not exceeding 120 words each question

ii) ஒAெவா¶ வினாவி)ØA எE{ மதிMெப%கA
Each question carries eight marks

iii) ெகா{&கMபE{Aள பதிெனE{ வினா&களிe எைவேய)A பதிைன) வினா&கȼ&Ø மE{A விடையளி&கȼA.
Answer any fifteen questions only out of eighteen questions.

(15X8=120)

UNIT - I

43) அ$வe ெமாழி ஆணைய$திÆ பணிகைள விவாதி
Discuss the functions of the official Language Commission

44) இ)திய பாராȼமÆற உȼMபினJகளிÆ தØதிகA ம)ȼA தØதியிÆைமகA ப)றி விள&Øக
Explain the qualifications and disqualifications for membership of Indian Parliament

45) நகராEசிகளிÆ வ¶வாu ஆதாரNகைள விள&Øக
Explain the sources of income of Municipalities

46) இ)தியாவிe ம$திய-மாநில அர&கȼ&கிடையேயான நிதி உறைவ ப)றி விவாதி&க. Discuss the financial relations between the Union and the states in India

47) ம$திய சØக நல வாfiய$திÆ @&கியமான பிfiȼகைள]A அதÆ பணிகைள]A விள&Øக. Explain the important divisions and its functions of central social welfare Board.

48) இ)தியாவிÆ விவசாய$ைத பாதி&ØA காரணிகA யாைவ?
What are the factors affecting Agriculture in India?

49) மைழ ெபாழிதலிÆ வைககA யாைவ?
What are the different types of rainfall?

50) பாைறகைள வைகMப{$தி விள&Øக
Account the types pf rocks and explain

51) இ)தியாவிÆ இய)ைக தாவரNகளிÆ பரவைலM ப)றி எfl க
Write about distribution of natural vegetation in India

Applicants may choose either Q. Nos.53 to 55 given in Tamil Language (Or) Q. Nos,56 to 58 given in English language. Applicants may choose one set of questions from any one language and shall not select questions from both language.

தமி@ வினா&கȼ&Ø தமிழி$A (அeல) ஆNகில வினா&கȼ&Ø ஆNகில$தி$A மE{A விடையளி&கȼA
Answer Tamil Question only in Tamil (or)
English question only in English

53) Write about renewable energy in India

UNIT-II

வி%ணMபதாரJகA கீேழ ெகா{&கMபE{Aள 53 @தe 55 வைர]Aள தமி@ ெமாழி வினா&கA (அeல) 56 @தe 58 வைர]Aள ஆNகில ெமாழி வினா&கA இைவகளிe ஏேத)A ஒ¶ ெமாழி வினா&களை மE{ேம ேதJȼ ெசu விடையளி&கȼA இ¶ ெமாழி வினா&களை& கல) ேதJȼ ெசuய&®டா .

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தி¶ @ ¶ கா)¢MபைடØறிMபி{A ØÆ¢ ேதாறாடe-வி&Øக

54) இ%ைடமாைல - ØறிM] வைரக

55) அயe நா{களிe தமி@ வளJ&சி Øறி$ எfI க

(அeல) (Or)

56) Make a précis of the following passage:

It is proved beyond that women in modern India can be good administrators. Women rulers like CHAND BIBI, Elizabeth and RANI of Jhansi proved to the world their solid worth. They ruled most efficiently and brought glory to their nations. Women are intelligent and hard-working. They are not frivolous and light. They take up work very honestly, sincerely and earnestly and they put heart and soul in their work. It is very fortunate that we have in India educated Ladies who are very keen to take up administrative work. We are amazed to see what wonderful work they are doing in offices of Central Secretariat as Reception Officers. It has been observed that they are very quick to understand and very efficient in work.They have won an applause from the bureaucracy. Moreover, they cheer up others: what a sweet smile, they can win over others to their point of view. All important services have been thrown open to women. They are competing for the Indian Administrative Services, Indian Foreign Service, and many other important fields of life. Very soon we will be seeing women as magistrates, judges, revenue officers, income – tax officers and so on. Women are cool – headed and they ponder over important issues. They are dispassionate, objective and impartial and never a see things in a mother Light. Their minds are unbiased and unprejudiced and they can be generous even to the extent of forgiveness. It will be seen that women will be good arbitrators in serious disputes and they would like to avoid bloodshed and acrimony. By means of peaceful discussion and negotiation, they will be able to solve their problems. Mrs.PANDIT has been a very successful ambassador and she has raised the prestige of India very high in foreign countries, Women are good diplomats and they can display their diplomacy in important key posts in the Indian Foreign Service.

57) Make a précis of the following passage:

Socrates taught that the man who is master of himself is truly free, By being master of oneself he meant first knowing oneself. One's faults and weaknesses and one's good points, without making any pretence and without being vein, and then being able to control one self, Thus knowledge of himself was what helped a man to be courageous, and the courageous man has a very important sort of freedom from fear. Socrates himself, because he was not afraid of the consequences, always felt free to teach what he thought was right, however unpopular this might make him with the powerful people in Athens. No wonder all his pupils loved Socrates. But the made some dangerous enemies by his strange ways of teaching and asking questions. Some of the rulers in Athens did not like people to be en courage to ask too many questions for fear they would begin asking questions about what their rulers were doing. So they accused Socrates of teaching young men wicked things and leading them to throw off their religion. This was false, for in fact Socrates was a very religious man. At last, his enemies had him arrested, and he was condemned to death.

58) Make a précis of the following passage:

Did you know that India has over 100 million children under the age of 15, who are forced to work instead of studying? Their condition can at best described as slavery, Every day more than 11,000 of our children below five die of easily

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preventable diseases; 40 percent of those who survive are malnourished; four out of five children of school going age never step inside a classroom.

There are the children who live in utter depravation and neglect in our streets and villages- children who have never known a day without hunger who do not have a shelter they can call home: for when education is an undreamt of luxury: who do not know what childhood means.

The issue is: who takes responsibilities for these children today? This responsibility is mine and yours because this is our society. A society is just a bigger family where people depend on each other for its smooth functioning. These children who suffer belong to us.

We must provide for these deprived children their basic rights to food, shelter, education, health and a bright future. Why don't we start by providing the poor children in the Neighbourhood with decent clothes, and teach them basic Mathematics, English or science? Why don't group of us get together and collect old books, toys and clothes or medicines or just one rupee from each of our friends and donate these to organizations which help the deprived children?

This certainly is not a small or simple thing you are going to do. In fact, it is a big step towards creating a beautiful world for our brothers and sisters.

UNIT-III

59) தமி@நாEgÆ ெதாழிலக ேமAபாEg)கான @கைமகைள& &Eg& காE{க

Point out the names of Industrial promotion Agencues in Tamil nadu

60) மாநில தைலைம& ெசயலக$தி Æ பண\கைள வள&Ø க

Explain the functions of State Secretariat

61) மாதில$தி e வசிMேபாJ தகவ e ைமய$ (SRDH)" தி Æ ேநா&கNகளM பEgயலி{க.

List out the aims of State Resident Data Hub (SRDH)

62) பய)Aள தி Eடமி Eட$&Ø$ ேதைவயானைவக Øறி$ ஆu¢ ெசuக

Examine the pre-requisites of effective planning

63) இ)திய Øg]fiைம சEடA, 1955 இ Æ பg Øg உfiைம ெபற வைக ெசu]A ஜ) வழி@ைறகைள வ\vfi&க¢A.

Explain the five modes of acquiring the citizenship as per Indian Citizenship Act, 1955.

பfi¢ - இ

SECTION – C

(விfiவாக வி ைடயfi&$A வினா வைக)

(Detailed Answer Type)

$றி M]: Note:

i) ஒAெவா¶ வினாவி)ØA 250 ெசா)க¢&Ø மிகாம e வி ைடயfi&க¢A.

Answer not exceeding 250 words each question

ii) ஒAெவா¶ வினாவி)ØA பதிைன) மதி Mெப%கA

Each question carries fifteen marks

iii) ெகா{&கMபE{Aள ஒÆப வினா&கfie எைவேய)A ஆ¢ வினா&க¢&Ø மE{A வி ைடயfi&க¢A.

Answer any Six questions only out of nine questions.

(6X15=90)

UNIT - I

64) இ)திய ®Eடாரசிய e ஒ)ைறயாரசி ®¢கA Øறி$ வ\vfi

Describe the unitary features of Indian federalism

65) 1955 ஆA ஆ%gÆ Øg]fiைம சEட$ைத வ\vfi?

Elaborate the Citizenship Act, 1955

66) இய)ைக வளNகைள பா காா&க ேவ%gயதி Æ அவசிய$தி ைன வ\ள&Øக

Explain the need for conservation of natural resources.

67) &)¢M]ற $@ நி ைல மா&ப{தைலM பறி

Write elaborately about environmental pollution.

UNIT – II

வி\%ணMபதாரJகA கீேழ ெகா{&கMபE{Aள 68 @தe 69 வைர]Aள தமி@ ெமாழி வினா&கA (அeல) 70 @தe 71 வைர]Aள ஆNகிில ெமாழி வினா&கA இைவகளி e ஏேத)A ஒ¶ ெமாழி வினா&கைள மE{ேம ேதJ¢ ெசu வி ைடயfi&க¢A இ¶ ெமாழி வினா&கைள& கல) ேதJ¢ ெசuய&®டா .

Applicants may choose either Q. Nos.68 to 69 given in Tamil Language (Or) Q. Nos,70 to 71 given in English language. Applicants may choose one set of questions from any one language and shall not select questions from both language.

தமி@ வினா&க¢&Ø தமிழி$A (அeல) ஆNகிில வினா&க¢&Ø ஆNகிில$தி$A மE{A வி ைடயfi&க¢A

Answer Tamil Question only in Tamil (or)
English question only in English

68) "வளA கா$A தமிழகA" எ)A ®)றினான ஆராuக

69) இ¶பதாA ¢)றா%gÆ தமி@ இல&கிய வளJ&சியி ைன வ\vfi

(அeல) (Or)

70) Write an essay on the following
Linking of Rivers – need of the hour

71) WhatsApp educates the people and enlightens them on various issues? Discuss

UNIT-III

72) பfiரதA ம)திfi அ$வலக$தி Æ மாறி வ¶A பNகி ைன மதி Mப\{க

Evaluate the changing role of Prime Minister's Office – (P.M.O)

73) இ)தியாவி Æ மி Æ அ$ ஆ¢ ைகய 'Øgமக- தகவe ெதாழி ¢Eப ேநரg ெதாடJப' உ¢தி ெசuய ேம)ெகா%{Aள நடவg&ைககA யாைவ?

Through E-Governance, What are the various measures taken to ensure 'Citizen-IT interface' in India

74) வர¢ ெசல¢ தி EடA பறி Øறி M] த¶க

Give a account on Budget.

PAPER - III

ேநரA: 3 மண\ ெமா$த மதி Mெப%கe: 300

Duration: 3 Hours Max. Marks: 300

பfi¢ - அ SECTION – A

(மி& சிறிய அளவி Œ வி ைடயfi&$A வினா வைக)

(Very Short Answer Type)

$றி M]: Note:

i) 30 ெசா)க¢&Ø மி காமe வி ைடயfi&க¢A.

Answer not exceeding 30 words each.

ii) ஒAெவா¶ வினாவி)ØA ØÆ¢ மதி Mெப%கA

Each question carries three marks

iii) ெக{&கMபE{Aள @Mப$ைத) வினா&கfie எைவேய)A @Mப வினா&க¢&Ø மE{A வி ைடயfi&க¢A.

Answer any thirty questions only out of thirty five questions. (30×3 = 90)

UNIT I

1) அ%ைமயி e ெதாடNகMபE ட 'ெசளபா&யா' தி Eட$தி Æ Øறி&ேகாA எÆன?

What are the objectives of the recently launched 'Saubhagya Plan'?

2) அ%ைமயி e, ம$திய அரசி Æ நிதி உதவி]டÆ ெசயeப{A ' அÆடாரா' தி Eட A தமி@நாEge ெதாடNகMபE ட . இ$தி Eட A பறி &¶&கமாக எfl க.

Recently the Central Government sponsored scheme 'Antara' was initiated in Tamil Nadu.

3) "கலாAசாE" பறி Øறி M] எfl க.

Write a note on "Kalamsat"

4) 2017&கான தமிழக அரசி Æ அAைவயாJ வி¶ ¶&Ø N M E A @A ¶ Æ @ $ வA எÆன?

Who was conferred the Avvaiyar award of the Tamil Nadu Government in 2017? What is the significance of the award?

5) &ோக ா இ)தியா தி Eட A எ Æறா e எ Æன?
What is LIGO India project?

6) அ%ைமய\e பாகி##தான\ய உ&சநீதிமAறA ஏ Æ பிரதமJ நவா## ெஷfIMைப தØதிய)றவJ எ Æ ®றிய ?
Why was the Prime Minister of Pakistan, Nawaz Sharif, disqualified by the Supreme Court of Pakistan recently?

7) A##டா நதி நீJ பிர&சைன ப)றி சி Ø றிM] த¶க.
Give a brief account of the Teesta river water dispute.

8) ®Eடர& நா{களா e அ%ைமய\e ெதாடNகMபEட 'வE ge அைமதி' திEட$தி Æ ேநா&கA எ Æன?
What is the aim of the 'Peace in the Home' program launched by the Commonwealth recently?

9) இ)தியாவ\e @தe அைன$ ெப% ஊழியJ ர\e நிைலயA ப)றி சி Ø றிM] வைரக.
Write a note on India's First All-Women Staff Railway Station.

10) தமி@நா{ வ\ைளயா E{ வரீ J G.லE&மண\Æ சமீ ப$திய சாதைனகA ப)றி எfI க.
Write on the recent achievements of the Tamil Nadu athlete, G. Lakshmanan.

11) ெடNØ கா&சலிÆ அறிØறிகA யாைவ?
What are the symptoms of Dengue fever?

12) ®Øலா e அ%ைமய\e ெதாடNகMபEட 'Project owl' ப)றி எfI க.
Write on 'Project Owl' launched by Google recently.

UNIT II

13) வfிதாNØA திறÆ எ Æறா e எ Æன?
What is mean by taxable capacity?

14) பண& ெகாAைகய\Æ ேநா&கNகA யாைவ?
What are the objectives of monetary policy?

15) ம&கA ெதாைக அJ$தி எ Æறா e எ Æன?
What is density of population?

16) உAநா E{& கட\Æ ஆதாரNகைள Ø றிMப\{க.
State the sources of internal public borrowing.

17) ெப ா $ ைற நி Ø வனNக\Æ பNØ வ\ல&கலிÆ ேநா&கNகA யைவ?
What are the objectives of Disinvestment of Public Enterprises?

18) மகிளா கிஸாÆ சாச&திகரÆ பfிேயாஜனா (MKSP) ப)றிய சி Ø றிMப\ைன$ த¶க.
Give a short note on "Mahila Kissan" Shasaktikaran Pariyojana (MKSP).

19) ெவள\நா E{ @த&E{ வைகய\ைன ஈJ&க&®gய தA Ø காரண\கA ம)Ø A இfIைவ காரண\கA யாைவ?
What are the 'Pull' factors and 'Push' factors which work to attract foreign Portfolio investment?

20) இ)திய அரசாNக$திÆ நிதிM ப)றா&Øைறய\Æ த)ேபாைதய நிைலய\ைன$ த¶க.
Give the recent status of Indian Government's fiscal deficit.

21) இ)தியாவ\Æ நீMபாசன வளJ&சி$ தி Eட NகA ஏேத)A ெÆறி ைன& ®Ø க.
List out any three irrigation development programmes of India.

22) EXIM வNகி ைய ப)றி Ø றிM] எfI க.
Write a short note on EXIM Bank

UNIT III

23) ஐ) ெகாAைகA ப)றி Ø றிMெபfI க.
What are 'Pancha-Sutras'?

24) இனவாதA எ Æறா e எ Æன?
What is terrorism?

25) பNகரவாதA ப)றி Ø றிM] வைரக.
Write a short note on EXIM Bank

26) வ Ø ைம& கலா&சாரA ப)றி Ø றிMெபfI க.
What is meant by culture of poverty?

27) உட e fIதிய ான வÆ@ைற எ ÆபதÆ ெப ா¶ைள வ\ள&Øக.
What is meant by physical violence?

28) ஒMபE{ வ Ø ைம எ Æப ப)றி எfI க.
Define the term relative poverty.

29) ச@தாய ெச##E ('Community Chest') எ ÆபதÆ ெப ா ¶A யா ?
What is meant by 'Community Chest'?

30) ச@தாய ேமAபா{ தி Eட$தி Æ @&கிய பண\கைள வfிைசMப{$ க.
List down the major areas of work covered under Community Development programme.

31) TADA ப)றி நீவ\J அறிவ எ Æன?
What do you know about TADA?

32) தமி@நா Ege நைட@ைறய\e உAள மகா$மா கா)தி ேதசிய ஊரக ேவைலவாuM] உ$தரவாத தி Eட$தி Æ ேநா&கNகைள Ø றிMப\{க.
What are the objectives of MGNREGS in Tamilnadu?

33) @தe நிைல வ Ø ைம&கான பNக\M]& காரண\கைள ெதfிவ\.
Disclose the contributory factors for primary poverty.

34) இ)தியாவ\Æ எ)த மாநிலNகA ேதசிய சராசfி அளைவ வ\ட அதிகமான நகர ம&கைள& ெகா%{Aளன?
What are the states in India having more urban population than the national average?

35) Ø ழ)ைத$ ெதாழிைல]A Ø ழ)ைதM பண\ைய]A எAவா Ø
ேவ Ø ப{$ வ ?
Differentiate between child work and child labour.

ப\fi Ø - ஆ SECTION – B

(&¶&கமாக வ\ைடயள\&$A வ\னா வைக)

(Brief Answer Type)

$றிM]: Note:

i) 120 ெசா)க Ø &Ø மிகாம e வ\ைடயள\&க Ø A.
Answer not exceeding 120 words

ii) ஒAெவா¶ வினாவி)ØA எE{ மதிMெப%கA
Each question carries eight marks

iii) ெகா{&கMபE{Aள பதிெனE{ வினா&கள\e எைவேய)A பதிைன) வினா&க Ø &Ø மE{A வ\ைடயள\&க Ø A.
Answer any fifteen questions only out of eighteen questions.
(15×8 = 120)

36) 2017–e வடகிழ&Ø இ)தியாவ\e ஏ)பEட ெவAள$ைதM ப)றி எfI க.
What is terrorism?

26) வ Ø ைம& கலா&சாரA ப)றி Ø றிMெபfI க.
What is meant by culture of poverty?

27) உட e fIதிய ான வÆ@ைற எ ÆபதÆ ெப ா¶ைள வ\ள&Øக.
What is meant by physical violence?

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Write about the 2017 North East India floods.

37) ம$திய அரசிÆ ‘gஜி யா$ரா’ திEட$திÆ @&கிய அAசNகA எÆன?

What are the main features of the Central Government’s ‘Digi Yatra’?

38) ‘]¢ ேவe’ சவாe ெதாடJபான சØக பிர&சனைகA எÆன? இMபிர&சனை&Ø தªJ¢&கான க¶$ &கA த¶க.

What is the social issue associated with the Blue Whale challenge? Suggest remedies.

39) ேடா&லA பிர&சனை&கான காரணA எÆன? இMபிர&சனையை தª J&க இ)தியா ம)¢A சீனாவி)Ø இடையிe ஏ)பEட ஒMப)த$திÆ சிறMபAசNகளை ®¢க.

What caused Doklam stand-off? What are the salient features of the agreement reached between India and China to end the Doklam stand-off?

40) ம$திய அரசிÆ ‘LPG ப¢சாய$’ ப)றி ØறிM] வரைக.

Give an account of the Central Government’s LPG Panchayat.

41) சாJ& ைண& ேகாளிÆ (GSAT-9) வி¢ஞான @&கிய$ வ$ைத விவfi.

Discuss the scientific significance of SAARC satellite or GSAT-9.

42) ‘ேதசிய Øழ)ைதகA ெசயe திEடA’ 2016Æ @&கிய ®¢கA யாைவ?

What are the main features of the National Action plan for Children, 2016?

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UNIT - II

43) இ)தியாவி‌Æ சமீப$தி‌ய வாணி‌ப ஒMப)தNகள‌ி‌ன ஏ‌ே‌த)A
நாÆகி‌ைன வி‌வfi&க.
Explain any four India's recent trade agreements.

44) இ)தி‌ய fiசJA வNகி‌யி‌Æ பண‌ி‌kA யாைவ?
What are the functions of Reserve Bank of India?

45) மன‌ி‌த வள வளJ&சி ØறியீEைன வி‌ள&Øக.
Explain Human Development Index (HDI).

46) உAளட&கி‌ய வளJ&சி‌ைய வி‌ள&Øக.
Explain inclusive growth.

47) ெப & ெசலவி‌Æ]ன‌ி‌த வி‌தி‌கைள வி‌ள&Øக.
Explain the canons of Public Expenditure.

UNIT III

48) கeவ‌ி‌ கற இைளஞJகள‌ி‌டA உAள ேவைலயி‌Æைமைய&
கைளய தீJ‌கைள& க%{ப‌ி‌g.
Suggest some ways by which, the problem of unemployment among the educated youth can be curbed.

49) தன‌ி‌ நபJ அவர வ‌‌ைம&Ø எAவா‌‌
ெப‌ா‌‌Mபாகி‌றாJ?
How can individuals be held responsible for their poverty?

50) கeவ‌ி‌ அறி‌வ)ற$ தÆைமைய நீ&Øவதி‌e அைனவ¶ &ØA
கeவ‌ி‌ இய&க$தி‌Æ பNகி‌ைன வJண‌ி‌&க.
Describe the role of Sarva Shiksha Abhiyan in eradicating illiteracy.

51) ெப%ண‌ி‌ய வ‌‌ைம எற பத$தி‌Æ சிறM]& ‌‌கைள
எfl க.
Elucidate the concept of feminization of poverty.

52) Ø{Aப வÆ@ைற&கான காரண‌ி‌கைள வி‌fi‌ப{$ க.
Elaborate on the causative factors of domestic violence.

53) பா காM] க‌‌Æசிலி‌Æ ெசயeபா‌{கைள ஆராபக.
Evaluate the functions of the security council.

பி‌fi‌ - இ Section – C

(வி‌fiவாக வி‌ைடயள‌ி‌&$A வி‌னா வைக)

(Detailed Answer Type)

i) 250 ெசா)க‌‌&Ø மி‌காமe வி‌ைடயள‌ி‌&கA.
Answer not exceeding 250 words.

ii) ஒAெவா¶ வி‌னாவ‌ி‌)ØA பதி‌ைன) மதி‌Mெப%கA.
Each question carries fifteen marks

iii) ெக‌ா‌{&கMபE{Aள ‌‌Æ‌ வி‌னா‌&கள‌ி‌e ைவெச)A இர%{
வி‌னா&க‌‌&Ø மE{A வி‌ைடயள‌ி‌&கA.
Answer any two questions out of the three questions.

(2×15 = 30)

UNIT I

54) த)ேபாைதய இ)தியாவி‌e ெசuதி நி‌‌வனNகள‌ி‌Æ வைககA
ப)றி வி‌fiவாக எfl‌தி அைவகள‌ி‌Æ ெசயeபாEகைன மதி‌Mப‌ி‌{க.
Elaborate on the different types of news agencies in India today and evaluate their role.

UNIT II

55) இ)தியM ெப‌ா¶ளாதார$தி‌e ெப‌ா
ைறய‌ி‌Æ பNகி‌ைன
வி‌வfi.
Explain the role of the public sector in Indian Economy.

UNIT III

56) பÆனாE{ நி‌‌வ$தி‌Æ மன‌ி‌த உfiைம&கான 'ெப‌ா உ‌‌தி‌ெமாழி‌யி‌Æ' (UDHR) ேநா&கNகைள வி‌ள&கி இ)தியாவி‌e மன‌ி‌த உfiைமகா&க நைட@ைற ஆேலாசைனகைள வழNக‌‌A.
Consolidate the specific objectives of Universal Declaration of Human Rights by UN and suggest practical steps of promote human rights in India.

பி‌fi‌ - ஈ Section – D

(கE{ைர வி‌னா வைக) (ESSAY)

iii) ெக‌ா‌{&கMபE{Aள நாÆØ வி‌னா‌&கள‌ி‌e ைவெச)A இர%{ வி‌னா&க‌‌&Ø Øைற)தபEசA ஒ¶ வி‌னாைவ ஒAெவா¶ அலகிலி‌¶) ேதJ)ெத{$ வி‌ைடயள‌ி‌&க‌‌A.
Answer any two out of the four questions given below attending atleast one question from each unit. **(2×30 = 60)**

UNIT I

57) 'இ)தியாவி‌Æ ேதசிய ேபரழி‌‌ ேமலா%ைம' தி‌Eட$தி‌Æ @&கியமான அAசNகைள வி‌வாதி‌&க‌‌A.
Discuss the characteristic features of the National Disaster Management plan of India

அ‌ல OR

58) ெஜJமனி‌ி‌e நைடெப)ற ஜி.20 12வ உ&சி மாநாEgÆ @&கி‌ய$ வ$ைத ெவள‌ி‌&ெகாணJக.
Bring out the significance of 12th G-20 summit held at Germany.

UNIT III

59) வ‌‌ைமைய ஒழி‌Mபத)காக ேதசிய தி‌Eட Øfiவாe 12ஆA
ஐ)தா%{ தி‌Eட$தி‌e உ¶வா&கMபEட
உ&தி‌கைள வி‌மJசி‌&க‌‌A.
Critically analyse the strategy adopted by the National planning commission to eradicate poverty in 12th five year plan.

அ‌ல OR

60) தமி‌@நாE{ ம&கள‌ி‌Æ வா@வாத‌ார$ைத ேமAப{$தி‌ட தமி‌ழக அரசாe கட)த பி‌Mரவfi, 2017 அÆ‌ ைகெயfl$தி‌Eட ஐ) சக நல$ தி‌EடNகைள வி‌ள&Øக.
Explain the five social welfare plans that the Government of Tamil Nadu signed on February 2017 to improve the life resources of the eo le of Tamil Nadu.

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i) 500 ெசா)கȼ&Ø மிகாமe வ\ைடயள\&கȼA.
Answer not exceeding 500 words.

ii) ஒAெவா¶ வ\னாவ\)ØA @Mப மதிMெப%கA.
Each question carries thirty marks

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