SSC SELECTION POST XIII

PYQ SOLVED PAPERS

22 SETS

GRADUATE LEVEL

S S C

SSC
Selection Post XIII
PYQ Solved Papers
22 SETS
(Graduate Level)

The previous years question papers in this book have been explained in such a way that you can understand the answers along with the concepts in detail without any external help.

In the past few years, SSC conducted all its examinations in the CBT (Computer Based Test) format. These tests are organized by the National Testing Agency (NTA). NTA does not repeat questions in the examinations, but the nature and pattern of the questions remain more or less the same.

This observation is based on a careful analysis of the questions that have been asked in the past four years. Accordingly, in this book, solutions of only important previous years question papers have been given.

Solved by
Amrendra Kumar, Sanyog Kumar

CHRONICLE
CHRONICLE *Nurturing Talent Since 1990*

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2024

2023-2020

General Intelligence

1. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

   COMBINE : MOCENIB :: FURTHER : RUFREHT :: REVERSE : ?

   (a) VEREERS   (b) VERESRE
   (c) VERSERE   (d) VERESER

2. In a code language, 'ELASTCY' is coded as 'GNCSVEA' and 'VIRTUAL' is coded as 'XKTTWCN'. How will 'TANGLED' be coded in the same language?

   (a) VCQGNGF   (b) VCPGNGF
   (c) VCPGMGE   (d) VCPGMGF

3. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

   (a)   (b)
   (c)   (d)
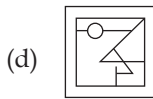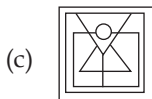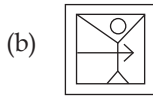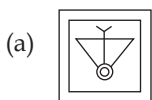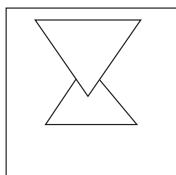
4. Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter series.

   Z _ _ O _ _ E _ _ F _ E M _ F

   (a) EMZFMOZO
   (b) EOOFZMZM
   (c) EZFMOZMO
   (d) EMFZMOZO

5. Select the number from among the given options that can replace the question mark(?) in the following series.

   552, ?, 650, 702, 756

   (a) 600   (b) 576
   (c) 625   (d) 590

6. In a certain code language,
   A + B means 'A is the mother of B'
   A – B means 'A is the brother of B'
   A × B means 'A is the wife of B'
   A # B means 'A is the son of B'
   Based on the above, how is W related to P if 'W × V # T – R + P'?

   (a) Husband's father's sister's daughter
   (b) Mother's mother
   (c) Mother's brother's son's wife
   (d) Mother's brother's son's mother

7. 425 is related to 11 following a certain logic. Following the same logic, 482 is related to 14. Which of the following is related to 16 using the same logic?

   (a) 284   (b) 282
   (c) 280   (d) 286

8. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

   sr_ss_s_s_ss

   (a) srss   (b) ssrs
   (c) srsr   (d) rrss

9. In a certain code language, 'he knows spanish' is coded as 'ty fr op' and 'spanish is difficult' is coded as 'fr hg df'. How will 'spanish' be coded in that language?

   (a) fr   (b) df
   (c) op   (d) hg

10. Identify the figure which when put in place of the question mark (?) will logically complete the series.
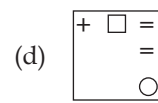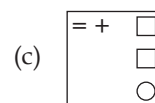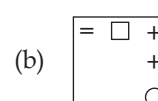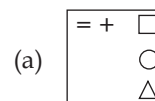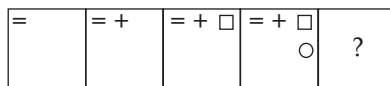
11. Select the option that is related to the third word in the same way as the second word is related to the first word.

    (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

    Dermatologist : Skin :: Ophthalmologist : ?

    (a) Teeth   (b) Bones
    (c) Ears   (d) Eyes

12. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

    EMAILS : VILXPB :: JOINED : GBQFRG :: MAKERS : ?

    (a) VOHHDJ   (b) VOHHXJ
    (c) VOBHDJ   (d) VOCHDJ

13. Three statements are given, followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

    Statements:
    No chess is a can.
    Not a single can is a horn.
    Every horn is an adapter.
    Conclusions:
    I. Some adapters which are horns are chess as well.
    II. No chess is a horn.
    III. Some adapters are horns.

(a) Both conclusions II and III follow
(b) Only conclusion III follows
(c) All conclusions follow
(d) Either conclusion I or II follows

14. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown. Select the number on the face opposite to the one having 4.
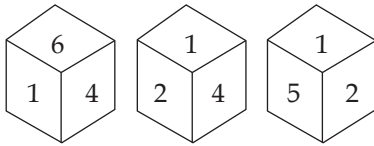
(a) 5   (b) 3
(c) 6   (d) 1

15. Pointing towards the photograph of a person, Saksham said, "She is the only daughter of the only daughter of my father". How is Saksham related to the person in the photograph?
(a) Mother's brother
(b) Father-in-law
(c) Father
(d) Grandfather

16. In a certain code language, 'MOBILES' is written as 'N12Y18O22H' and 'VEHICLE' is written as 'E22S18X15V'. How will 'NEUTRON' be written in the same code language?
(a) M22G712M (b) M22F7I12M
(c) M22F8L12M (d) M23F7L13M

17. In a certain code language, 'BELO' is coded as '271217' and 'IGJA' is coded as '117103'. How will 'DUXE' be coded in that language?
(a) 424268   (b) 325227
(c) 324246   (d) 423247

18. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
No code is a knuckle.
No eel is a code.
Some codes are bulldozers.
Conclusions:
(I) Some bulldozers are codes.
(II) Some bulldozers are not knuckles.
(III) Some bulldozers are not eels.

(a) Only conclusion II follows
(b) Either conclusion I or conclusion III follows
(c) All the conclusions I, II and III follow
(d) Only conclusion I follows

19. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

M
TOY |
N

(a) YOL   (b) TOⳤ
(c) ⳐOY   (d) YOT

20. If '+' means 'subtraction', '−' means 'multiplication', '÷' means 'addition' and '×' means 'division', then what is the value of the following expression?
22 − 4 + 72 × 18 ÷ 31
(a) 124   (b) 152
(c) 118   (d) 115

21. Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.
1. Rinse
2. Iron
3. Soak
4. Dry
5. Wash
(a) 3, 5, 1, 4, 2
(b) 5, 3, 1, 4, 2
(c) 3, 5, 1, 2, 4
(d) 3, 1, 5, 4, 2

22. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.
1. Block
2. Province
3. District
4. Country
5. Street
6. Village
(a) 5, 1, 6, 3, 2, 4
(b) 5, 6, 1, 3, 4, 2
(c) 5, 6, 1, 3, 2, 4
(d) 5, 6, 1, 2, 3, 4

23. In a code language, 'MAINTY' is coded as 'SGOTZE' and 'GENIOUS' is coded as 'MKTOUAY'. How will 'POPULAR' be coded in the same language?
(a) KUUARGX (b) VUKARGX
(c) KUVARGX (d) VUVARGX

24. Select the option that is related to the third word in the same way as the second word is related to the first word.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
USA : Dollar :: Bangladesh : ?
(a) Lira   (b) Taka
(c) Rupee   (d) Ruble

25. In a certain code language, 'YOUR' is coded as '6543' and 'LOAD' is coded as '3129'. What is the code for 'O' in that code language?
(a) 6   (b) 5
(c) 1   (d) 3

General Awareness

1. Which of the following government schemes was launched to provide financial assistance to start-ups for proof of concept, prototype development, product trials, market entry and commercialisation on 19 April 2021?
(a) Start-up India Seed Fund Scheme (SISFS)
(b) Pradhan Mantri Rozgar Yojana (PMRY)
(c) Procurement and Marketing Support (PMS) Scheme
(d) Pradhan Mantri MUDRA Yojana (PMMY)

2. The novel 'The White Tiger' was written by:
(a) Aravind Adiga
(b) Indu Sundaresan
(c) Amitav Ghosh
(d) Vikram Chandra

3. In which of the following dance forms is Mati-Akhora used as the basic exercise pattern that facilitates various dance poses?
(a) Sattriya   (b) Manipuri
(c) Kuchipudi (d) Kathakali

4. Mahatma Gandhi National Rural Employment Guarantee Act (2005) provides work for how many days?
(a) 300   (b) 200
(c) 100   (d) 125

5. How many countries participated in the 2016 South Asian Games?
(a) Five   (b) Six
(c) Eight   (d) Seven

(a) They told him from jumping into the pond the same day.

(b) They told him not to jump into the pond that day.

(c) They told him to jump into the pond the previous day.

(d) They told him not jumped into the pond that day.

15. **Select the most appropriate word opposite in meaning (ANTONYM) to the underlined word in the given sentence.**

    Human life is <u>transient</u>.

    (a) thrifty   (b) permanent

    (c) timid   (d) tranquil

    Comprehension: (16-20)

    In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

    Can we see (1)_____ the earth is a globe? Yes, we can, when we watch a ship that sails out to sea. If we watch closely, we see that the ship begins (2)_____. The bottom of the ship disappears first, and then the ship seems to sink lower and lower, (3)_____ we can only see the top of the ship, and then we see nothing at all. What is hiding the ship from us? It is the earth. Stick a pin most of the way into an orange, and (4)_____ turn the orange away from you. You will see the pin disappear, (5)_____ a ship does on the earth.

16. **Select the most appropriate option to fill in blank number 1.**

    (a) where   (b) that

    (c) if   (d) whether

17. **Select the most appropriate option to fill in blank number 2.**

    (a) to disappear

    (b) being disappeared

    (c) to have disappeared

    (d) to be disappeared

18. **Select the most appropriate option to fill in blank number 3.**

    (a) since

    (b) until

    (c) by the time

    (d) after

19. **Select the most appropriate option to fill in blank number 4.**

    (a) passionately

    (b) accidentally

    (c) reluctantly

    (d) slowly

20. **Select the most appropriate option to fill in blank number 5.**

    (a) just as   (b) alike

    (c) by the way   (d) the same

    Comprehension: (21-25)

    Read the given passage and answer the question that follows.

    Judicial activism in India has been a topic of great significance and debate. The judiciary,particularly the Supreme Court, has played a proactive role in shaping and interpreting laws to ensure justice and protect fundamental rights. Through landmark judgements, the court has expanded the scope of constitutional principles and acted as a check on the executive and legislative branches. However, this activism has sparked discussions about the limits of judicial power and the need to strike a balance between activism and restraint. Critics argue that excessive judicial intervention can encroach upon the domain of the other branches,while proponents see it as a necessary tool to safeguard democracy, uphold constitutional values and advance social justice. The evolution of judicial activism continues to influence the dynamics of governance in India.

21. **Select the most appropriate title of the passage.**

    (a) The Constitutional Principles in India

    (b) The Preamble of India

    (c) The Role of the Supreme Court

    (d) The Debate over Judicial Activism

22. **Identify the central theme of the passage.**

    (a) The role and impact of judicial activism in India

    (b) The evolution of governance in India

    (c) The constitutional rights of judiciary in India

    (d) Division of power into executive, legislature and judiciary

23. **What can be inferred about the Supreme Court's role in shaping laws?**

    (a) It has a limited role in interpreting laws.

    (b) It has expanded the scope of constitutional principles.

    (c) It has no authority to check the executive branch.

    (d) It is solely responsible for legislative actions.

24. **Find the correct ANTONYM of the following word from the passage. Proactive**

    (a) Careless   (b) Prompt

    (c) Accomplish   (d) Provident

25. **According to the passage, what do critics argue regarding judicial activism?**

    (a) It encroaches on the domains of other branches.

    (b) It is necessary for safeguarding democracy.

    (c) It ensures a balanced exercise of power.

    (d) It has no impact on constitutional values.

EXPLANATION

General Intelligence

1. **(b),** Just as

   C O M   B I N E
   M O C   E N I B

   And

   F U R   T H E R
   R U F   R E H T
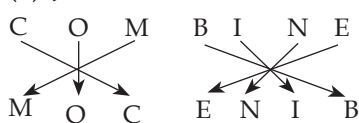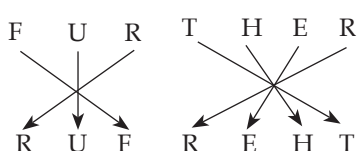
   Similarly
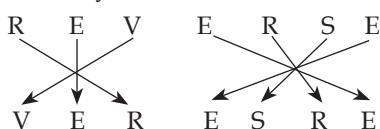
   R E V   E R S E
   V E R   E S R E

   So, REVERSE will be coded as VERESRE.

2. **(b),** just as

   E L A S T C Y
   +2 +2 +2 +0 +2 +2 +2
   G N C S V E A

   Now

   V I R T U A L
   +2 +2 +2 +0 +2 +2 +2
   X K T T W C N

   Similarly
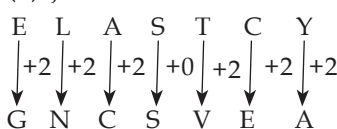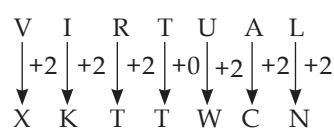
   T A N G L E D
   +2 +2 +2 +0 +2 +2 +2
   V C P G N G F

   So, TANGLED will be coded as VCPGNGF.

3. **(c),** The given figure is embedded from

So, correct option is (c).

4. **(d),** Series follow here : ZEMOF
Z E M O F/Z E M O F/ Z E M O F
Hence, the correct answer is EMFZMOZO.

5. **(a), According to question**
$\Rightarrow 23 \times 24 = 552$
$\Rightarrow 24 \times 25 = \boxed{600}$
$\Rightarrow 25 \times 26 = 650$
$\Rightarrow 26 \times 27 = 702$
$\Rightarrow 27 \times 28 = 756$
So, 600 is correct answer.

6. **(c),** As per information

As per given diagram W is Mother's brother's Son's wife to P.

7. **(d),** Just as
$\Rightarrow 425 \rightarrow 11$
$\Rightarrow 4 + 2 + 5 = 11$
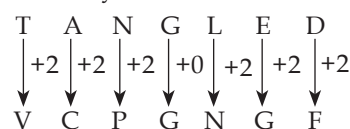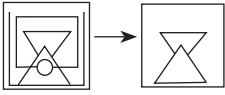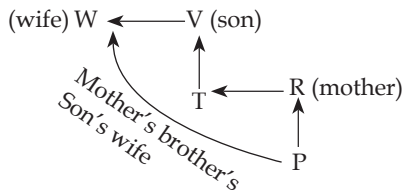And
$\Rightarrow 482 \rightarrow 14$
$\Rightarrow 4 + 8 + 2 = 14$
Similarly
$\Rightarrow ? \rightarrow 16$
$\Rightarrow 2 + 8 + 6 = 16$
So, 286 is correct answer.

8. **(c),** Series follow here : srss.
srss/srss/srss
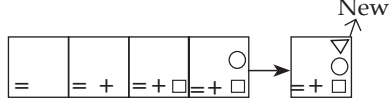So, correct answer is srsr.

9. **(a), According to question**
he knows $\boxed{\text{spanish}}$ →ty $\boxed{\text{fr}}$ op
$\boxed{\text{spanish}}$ is difficult→$\boxed{\text{fr}}$ hg df
spanish → fr
So, spanish is coded as fr.

10. **(a),** As per given figure–

So, correct option is (a).

11. **(d),** Dermatologists are doctors and specialize in treating skin, hair, nails. Similarly, Ophthalmologist is specializes in diagnosing and treating eye. So correct option is (d).

12. **(a),**

13. **(b),** Statements

or

Conclusions

I.

II.

III.

adapter are horn
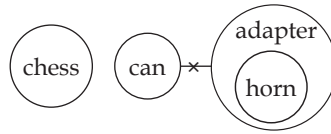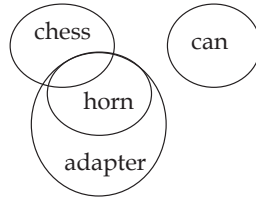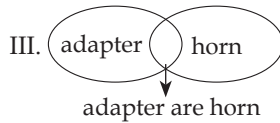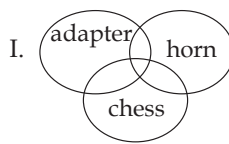
So, only conclusion III is correct.

14. **(a), According to dice**

1	2	4	Face value
3	6	5	Opposite

So, 5 is the opposite value of 4.

15. **(a), According to question**
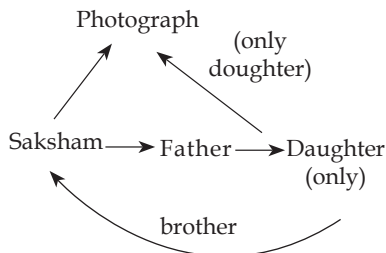
As per given diagram Saksham is mother's brother of photograph's person.

16. **(b),** Just as

M	O	B	I	L	E	S
↕	↕	↕	↕	↕	↕	↕
N	L	Y	R	O	V	H
↓	↓	↓	↓	↓	↓	↓
N	12	Y	18	O	22	H

And

V	E	H	I	C	L	E
↕	↕	↕	↕	↕	↕	↕
E	V	S	R	X	O	V
↓	↓	↓	↓	↓	↓	↓
E	22	S	18	X	15	V

Similarly
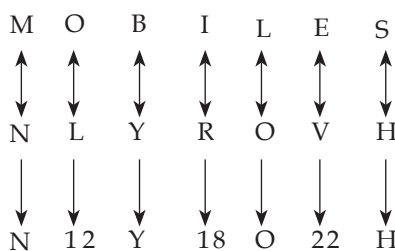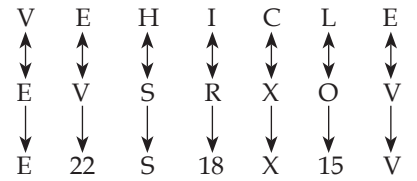
N	E	U	T	R	O	N
↕	↕	↕	↕	↕	↕	↕
M	V	F	G	I	L	M
↓	↓	↓	↓	↓	↓	↓
M	22	F	7	I	12	M
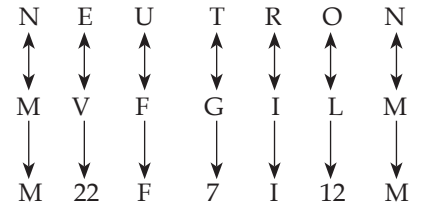
So, NEUTRON will be coded as M22F7I12M.

17. **(d),** Just as

B E L O (Here vowel is coded as its position + 2)
↓ ↓ ↓ ↓
2 7 12 17
And

I G J A (Here vowel is coded as its position + 2)
↓ ↓ ↓ ↓
11 7 10 3
Similarly
D U X E (Here vowel is coded as its position + 2)
↓ ↓ ↓ ↓
4 23 24 7
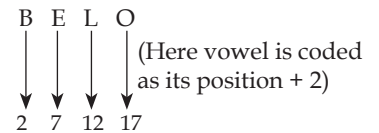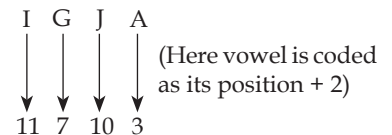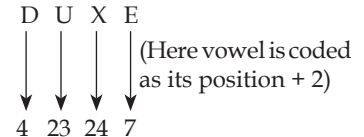
So, DUXE will be coded as 423247.

18. **(c),** Statement

OR

Conclusion

I.

II.

III.
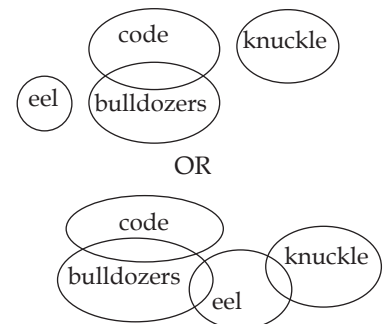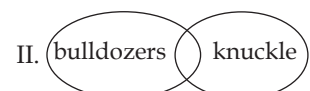
As per venn diagram all conclusions are correct.

General Intelligence

1. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X)

(a)   (b)

(c)   (d)
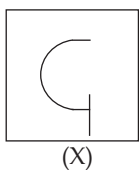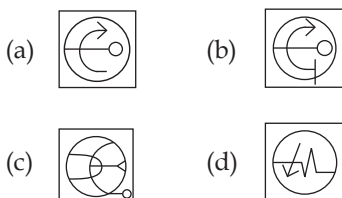
2. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Teeth : Dentist :: Bones : ?

(a) Orthopaedic
(b) Dermatologist
(c) Cardiologist
(d) Orthodontist

3. In a certain code language, 'INSTITUTE' is written as 'JOTUKWXWH' and 'OPPRESSOR' is written as 'PQQSGVVRU'. How will 'TRANSFORM' be written in the same code language?

(a) UBSOUIRUP
(b) USCOUIRUP
(c) USBOUIRUP
(d) UTBOUIRVP

4. 10 is related to 6 following a certain logic. Following the same logic, 22 is related to 12. 28 is related to which of the following using the same logic?

(a) 30   (b) 26
(c) 15   (d) 32

5. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

_ww_xw_xx_wx_wwx

(a) wwxxw   (b) xxwwx
(c) wwxxx   (d) xwxwx

6. In a code language, 'ACTING' is coded as 'ZXGRMT' and 'CABALS' is coded as 'XZYZOH'. How will 'EAGLET' be coded in the same language?

(a) VZTOVG   (b) VGTOVG
(c) VZTPVG   (d) VZSOVG

7. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown. Select the number on the face opposite to the one having 5.
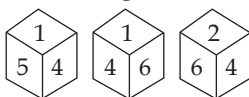
(a) 6   (b) 2
(c) 3   (d) 1

8. Select the option that is related to the third word in the same way as the second word is related to the first word

Oology : Eggs :: Conchology : ?

(a) Skulls   (b) Shells
(c) Kidneys   (d) Algae

9. In a code language, 'LIBERTY' is coded as 'NKDETVA' and 'TONIGHT' is coded as 'VQPIIJV'. How will 'AUCTION' be coded in the same language?

(a) CWESKQP   (b) CWETKQP
(c) CXETKQP   (d) CEATKQP

10. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
Some crocodiles are tubes.
All tubes are socks.
No sock is a menu.
Conclusions:
(I) Some menus are not socks.
(II) No sock is a crocodile.
(III) Some tubes are menus.

(a) Either conclusion I or conclusion III follows
(b) Only conclusion II follows
(c) Only conclusion I follows
(d) All the conclusions I, II and III follow

11. In a certain code language, 'sing of thee' is written as 'jd fy yh', and 'does she sing' is coded as 'fy ug sc'. How will 'sing' be coded in that language?

(a) yh   (b) fy
(c) jd   (d) ug

12. What will come in place of the question mark (?) in the following equation, if '+' and '–'are interchanged and '×' and '÷' are interchanged?

$25 ÷ 5 – 918 × 9 + 4 = ?$

(a) 321   (b) 223
(c) 142   (d) 112

13. Select the correct mirror image of the given figure when the mirror is placed at line MN as shown below.

M

T 1 C X Z │

N
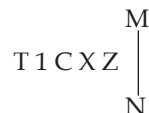
(a) ꙅ X Ɔ 1 ⊥   (b) ꙅ X Ɔ 1 T
(c) ꙅ X Ɔ 1 T   (d) ꙅ X C 1 T

14. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

India : Rupee :: Bahrain : ?

(a) Dollar   (b) Euro
(c) Yen   (d) Dinar

15. In a certain code language,
'A + B' means 'A is the mother of B',
'A − B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A ÷ B' means 'A is the father of B'.
Based on the above information, how is Q related to S if 'P + Q ÷ R × S − T'?
  (a) Wife's sister
  (b) Wife's mother
  (c) Wife's brother
  (d) Wife's father

16. Which of the following term will replace the question mark (?) in the given series

7, 3, 6, 7, 5, 11, ?
  (a) 55   (b) 44
  (c) 4   (d) 22

17. Identify the figure which when put in place of the question mark (?) will logically complete the series.
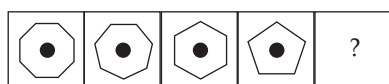
  (a)   (b)

  (c)   (d)

18. A woman said to a man, "Your mother's husband's father is my husband". How is the woman related to the man?
  (a) Grandson
  (b) Grandmother
  (c) Mother
  (d) Wife

19. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

  1. Bacteria
  2. Butterfly
  3. Mosquito
  4. Vulture
  5. Sparrow

  (a) 1, 2, 3, 5, 4   (b) 1, 3, 5, 2, 4
  (c) 1, 3, 2, 5, 4   (d) 1, 3, 2, 4, 5

20. Three statements are given, followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
No chart is a casket.
Not a single casket is a house.
Every house is an adapter.
Conclusions:
I. Some adapters which are houses are charts as well.
II. No chart is a house.
III. Some adapters are houses.

  (a) Both conclusions II and III follow
  (b) Only conclusion III follows
  (c) Either conclusion I or II follows
  (d) All conclusions follow

21. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

PERFECT : TCEFREP :: UPDATES : SETADPU :: UNKNOWN : ?
  (a) UNWNKNO
  (b) KNOUNWN
  (c) OWNUNKN
  (d) NWONKNU

22. Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter series.

_ K _ I W _ J _ W _ _ I _ K J _
  (a) WIJKIKJW
  (b) WJKIKJWI
  (c) WKJIKJWI
  (d) WWIJKIKJ

23. Each of the letters in the word MASONRY are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter that is third from the left and the one that is second from the right in the new letter cluster thus formed?
  (a) 7   (b) 6
  (c) 5   (d) 4

24. In a certain code language, 'HWET' is coded as '205238' and 'RBKX' is coded as '2411218'. How will 'ICPZ' be coded in that language?
  (a) 271532   (b) 241128
 (c) 251526   (d) 261639

25. In a certain code language, 'DENT' is coded as '3856' and 'LINK' is coded as '7392'.What is the code for 'N' in that language?
  (a) 2   (b) 3
  (c) 5   (d) 9

1. Jaita is the main dance form of which state?
  (a) Karnataka
  (b) Rajasthan
  (c) Madhya Pradesh
  (d) Uttar Pradesh

2. Who was the designer of India's national flag?
  (a) BN Rau
  (b) KM Munshi
  (c) Pingali Venkayya
  (d) Prem Behari Narain Raizada

3. In 2023, Government of India has proposed to launch the 'Pradhan Mantri Kaushal Vikas Yojana' _____ to skill lakhs of youth within the next three years covering new age courses like coding, AI, robotics, mechatronics, IOT, 3D printing, drones and soft skills.
  (a) 4.0   (b) 2.0
  (c) 1.0   (d) 3.0

4. Pandit Ram Narayan, who was awarded the Pandit Bhimsen Joshi Lifetime Achievement Award for 2015–2016, is a _____ player.
  (a) sarod   (b) flute
  (c) sarangi   (d) violin

5. Gandhiji gave his slogan of 'Do or Die' during which of the following Movements/Satyagrahas?
  (a) Civil Disobedience
  (b) Kheda Satyagraha
  (c) Champaran Satyagraha
  (d) Quit India

6. Which Article of the Indian Constitution mentions that 'No person shall be prosecuted and punished for the same offence more than once'?
  (a) Article 20(3)
  (b) Article 20(2)
  (c) Article 20(4)
  (d) Article 20(1)

7. The transfer of heat through horizontal movement of air is called _____.
  (a) conduction (b) advection
  (c) variation   (d) convection

8. With which game is the CK Nayudu Trophy associated?
  (a) Cricket   (b) Football
  (c) Handball   (d) Basketball

9. _____ is the science and art of cultivating fruits, vegetables, flowers and ornamental plants.
  (a) Viniculture (b) Floriculture
  (c) Sericulture (d) Horticulture

methods, believing in hard work and patience. One day, a group of young farmers came to the village and started using modern farming techniques and equipment. They boasted about their high yields and profits, and many of the villagers were impressed. Over time, the young farmers struggled while John's farm thrived, showcasing healthy crops and well-cared-for animals. Recognising his wisdom, the villagers sought John's guidance, and he became a respected elder. He taught them the importance of respecting nature, working with it, and embodying values like perseverance and hard work. John's farm became a model for sustainable and ethical practices, leaving a lasting legacy. He was remembered as a wise and humble man who dedicated his life to the land and community.

21. Why did John remain steadfast in his traditional farming methods?
(a) He was afraid of changing and could not invest.
(b) He believed that hard work and patience were the keys to success.
(c) He was too old to learn new techniques.
(d) He didn't have enough money to invest in modern equipment.

22. What can we infer about John's character from the story?
(a) He was lazy and unproductive.
(b) He was dishonest and deceitful.
(c) He was wise and humble.
(d) He was arrogant and stubborn.

23. What was the name of the old farmer in the story?
(a) James (b) Jack
(c) John   (d) Joe

24. What did the young farmers do when they came to the village?
(a) They started using traditional farming methods.
(b) They started a new business in the village.
(c) They left the village soon after arriving.
(d) They started using modern farming techniques and equipment.

25. What would be an appropriate title for this story?
(a) The War Between Old and New Farmers
(b) The Rise of Modern Farming Techniques
(c) The Wisdom of Traditional Farming
(d) The Importance of Patience in Farming

EXPLANATION

General Intelligence

1. (b), The given figure (X) is embedded from :
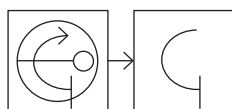
So, correct option is (b).

2. (a), Teeth are treated by dentists, while bones are treated by Orthopaedic.

3. (c), Just as

I N S T I T U T E
+1 +1 +1 +1 +2 +3 +3 +3 +3
J O T U K W X W H

And

O P P R E S S O R
+1 +1 +1 +1 +2 +3 +3 +3 +3
P Q Q S G V V R U

Similarly

T R A N S F O R M
+1 +1 +1 +1 +2 +3 +3 +3 +3
U S B O U I R U P

So, TRANSFORM will be coded as USBOUIRUP.

4. (c), Just as

$10 \to 6$

$\Rightarrow \dfrac{10+2}{2} = 6$

And

$22 \to 12$

$\Rightarrow \dfrac{22+2}{2} = 12$

Similarly

$28 \to ?$

$\Rightarrow \dfrac{28+2}{2} = 15$

So, correct answer is 15.

5. (b), Series follow here : xwwx
x̲wwx̲/xww̲x/xw̲wx/x̲wwx
So, correct answer is xxwwx.

6. (a), Just as

A C T I N G
(opposite)
Z X G R M T

And

C A B A L S
(opposite)
X Z Y Z O H

Similarly

E A G L E T
(opposite)
V Z T O V G

So, EAGLET will be coded as VZTOVG.

7. (a), According to dice

1	5	4	Face value
2	6	3	Opposite

The number on the face opposite to the one having 5 is 6.

8. (b), Oology is the study of eggs. Similarly, Conchology is the study of mollusc shells. So, correct answer is (b).

9. (b), Just as

L I B E R T Y
+2 +2 +2 +0 +2 +2 +2
N K D E T V A
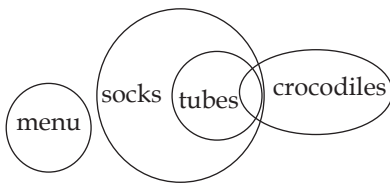
And

T O N I G H T
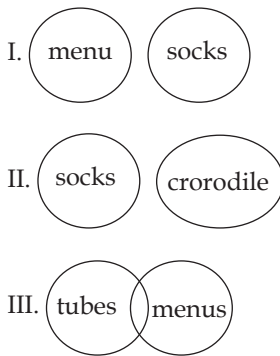+2 +2 +2 +0 +2 +2 +2
V Q P I I J V

Similarly

A U C T I O N
+2 +2 +2 +0 +2 +2 +2
C W E T K Q P

So, AUCTION will be coded as CWETKQP.

10. (c), Statements

Conclusions

I.

II.

III.

As per venn diagram only conclusion I is correct.

11. (b), According to given information

$\boxed{\text{sing}}$ of thee : jd $\boxed{\text{fy}}$ yh

does she $\boxed{\text{sing}}$: $\boxed{\text{fy}}$ ug sc

sing → fy

So, sing will be coded as fy.

12. (b), According to question

$25 \div 5 - 918 \times 9 + 4 = ?$

As per given information

$\Rightarrow 25 \times 5 + 918 \div 9 - 4 = ?$

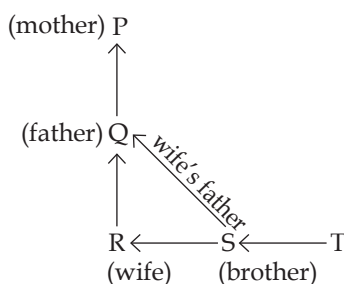$\Rightarrow 125 + 102 - 4 = 223$

So, correct answer is 223.
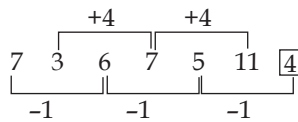
13. (c), Mirror image

So, correct answer is (c).

14. (d), The currency of India is rupee. Similarly, The currency of Bahrain is Dinar. So, correct option is (d).
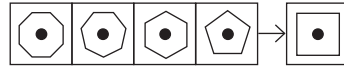
15. (d), According to question

So, Q is S's wife's father.

16. (c), According to question

So, correct answer is 4.

17. (b), Pattern follow here

So, correct option is (b).

18. (b), According to question
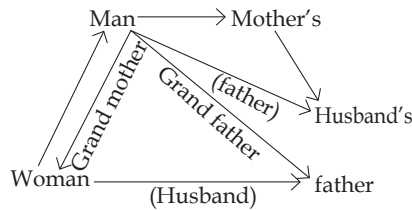
So, Woman is grandmother to the man.

19. (c), The logic and meaningful order of the given words as Size of animals in Increasing order.

1. Bacteria
3. Mosquito
2. Butterfly
5. Sparrow
4. Vulture

So, correct order is 13254.

20. (b), Statements
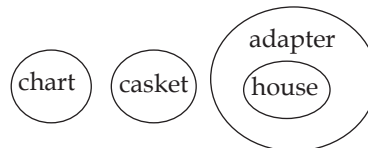
Conclusion

adapters which are houses

I.

II.

III.
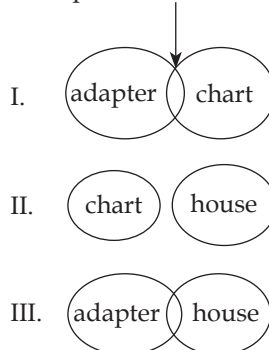
As per given venn diagram only conclusion III is correct.

21. (d), Just as
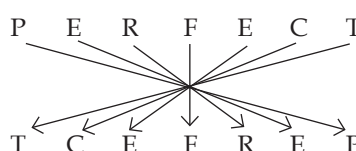
And
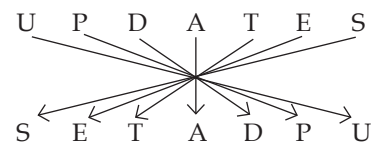
Similarly
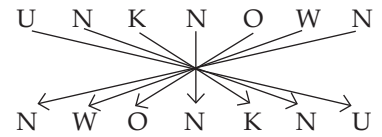
So, UNKNOWN will be coded as NWONKNU.

22. (b), Here series of WKJI.

$\underline{W}$ K J̱ I/W $\underline{K}$ J I/W$\underline{K}$ J̱ I/$\underline{W}$ K J $\underline{I}$

So, correct option is (b).

23. (d), Now, arranging the word in alphabetical order:

Word	M	A	S	O	N	R	Y
Alphabetical order	A	M	N	O	R	S	y

Now, after arranged in alphabetical order the letter which is third from the left is 'N', and, the one which is second from the right is S.

In the English alphabetical series there are four letter between 'N' and 'S' i.e: 'O', 'P', 'Q' and 'R'.

Hence, the correct answer is "Option (d)".

24. (d), Just as

and
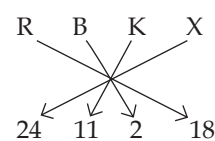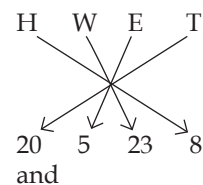
Similarly
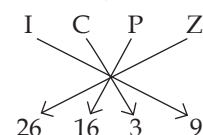
So, ICPZ will be coded as 261639.

25. (b), According to question

D E $\boxed{\text{N}}$ T : $\boxed{3}$ 8 5 6

L I $\boxed{\text{N}}$ K : 7 $\boxed{3}$ 9 2

N → 3

So, N will be coded as 3.

General Intelligence

1. In a certain code language, 'BAGS' is coded as '43921' and 'KHEM' is coded as '1310715'. How will 'JINK' be coded in that language?
(a) 11101512
(b) 11121413
(c) 109811
(d) 12111613

2. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

X

(a)   (b)
(c)   (d)
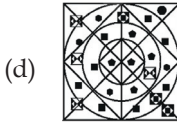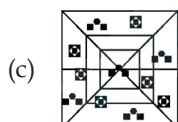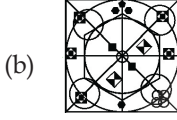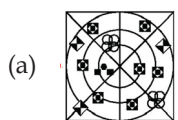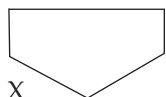
3. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three positions of this dice are shown in the given figure. Find the number on the face opposite to the number 2.

| 2 | | 2 | | 4 |
| 1 | 5 | 3 | 1 | 6 | 5 |
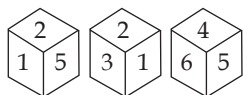
(a) 1
(b) 5
(c) 6
(d) 4

4. Select the combination of letters that when sequentially placed from left to right in the blanks of the given series will complete the letter series.

C _ _ B A C C _ _ A C C D _ _ C _ D _ A

(a) C D D B A B C B
(b) C D B D B A C B
(c) D C D B B C A B
(d) C D D B B A C B

5. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

CURTAIN : RUCTNIA :: SUPPOSE : PUSPESO :: TONIGHT : ?

(a) NOTITGH   (b) NOTITHG
(c) NTOITGH   (d) NOTIHTG

6. In a certain code language, 'LIFE' is coded as '4765' and 'MEAT' is coded as '9142'. What is the code for 'E' in that code language?

(a) 5   (b) 4
(c) 1   (d) 7

7. In a certain code language,
A + B means 'A is the mother of B'
A – B means 'A is the brother of B'
A × B means 'A is the wife of B'
A # B means 'A is the father of B'
Based on the above, how is W related to P if 'W × V # T – R + P'?

(a) Mother
(b) Sister
(c) Mother's mother
(d) Mother's sister

8. Select the number from among the given options that can replace the question mark (?) in the following series.

14, 158, 258, 322, ?, 374

(a) 355   (b) 358
(c) 353   (d) 360

9. Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Wool
2. Shops
3. Garments
4. Yarn
5. Sheep

(a) 1, 5, 4, 3, 2   (b) 5, 1, 3, 4, 2
(c) 5, 1, 4, 2, 3   (d) 5, 1, 4, 3, 2

10. In a certain code language, 'are you coming' is written as 'mk hv rc' and 'coming of age' is written as 'bs rc gt'. How is 'coming' written in the given language?
(a) gt   (b) hv
(c) bs   (d) rc

11. Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Painter
2. Pace
3. Pair
4. Package
5. Paragraph

(a) 1, 2, 3, 4, 5   (b) 1, 5, 4, 3, 2
(c) 2, 1, 5, 4, 3   (d) 2, 4, 1, 3, 5

12. Three statements are given, followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
No number is a machine.
Not a single machine is a bowl.
Every bowl is a sink.
Conclusions:
I. Some sinks which are bowls are numbers as well.
II. No number is a bowl.
III. Some sinks are bowls.

(a) Only conclusions II and III follow
(b) All conclusions, I, II and III, follow
(c) Either conclusion I or II follows
(d) Only conclusion III follows

13. In a certain code language, 'GAS' is written as '54', and 'JOG' is written as '49'. How will 'ZIP' be written in that language?
(a) 38   (b) 30
(c) 34   (d) 42

14. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

DEFGHI : FHHJJL :: MPQSIV : OSSVKY :: POLICE : ?

(a) RRLNEH   (b) RRNLEH
(c) RRNLHE   (d) RRLNHE

15. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Few doctors are buildings.

Most buildings are papers.

All papers are frogs.

Conclusions:

(I) Few doctors are papers.

(II) Some frogs are doctors.

(III) Some buildings are frogs.

(a) Only conclusion III follows
(b) Either conclusion I or conclusion II follows
(c) All the conclusions I, II and III follow
(d) Only conclusion I follows

16. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Cow : Herd :: Lion : ?

(a) pride   (b) flock
(c) bunch   (d) pack

17. In a certain code language, 'JUDGE' is written as '47', and 'CROSS' is written as '74'. How will 'BRIEF' be written in that language?

(a) 54   (b) 50
(c) 40   (d) 64

18. 8 is related to 45 following a certain logic. Following the same logic, 12 is related to 65. Which of the following is related to 80 using the same logic?

(a) 17   (b) 16
(c) 14   (d) 15

19. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

yzx_y_xxyz_x_zxx

(a) yzxx   (b) yyzx
(c) xxyz   (d) xzxy

20. In a certain code language, 'PEDAGOGY' is written as 'QGGECLEX' and 'CLASSICS' is written as 'DNDWOFAR'. How will 'TOGETHER' be written in the same code language?

(a) UQJIPECQ   (b) RUIJPECQ
(c) UJRPIECQ   (d) RUJIPEQC

21. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

M

BURGER |

N

(a) ʁƎƆЯ∪ꓭ
(b) ꓭ Ǝꓤ ∪ꓭ
(c) ЯƎƆЯ∪ꓭ
(d) ЯƎƆЯ∪ꓭ
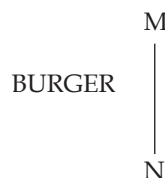
22. What will come in place of the question mark (?) in the following equation, if '+' and '–' are interchanged and '×' and '÷' are interchanged?

15 ÷ 8 + 12 × 2 – 2 = ?

(a) 114   (b) 116
(c) 118   (d) 112

23. R is the son of Q. M is the brother of B, who is the daughter of Q and the mother of P. How is M related to R?

(a) Brother   (b) Father
(c) Nephew   (d) Husband

24. Identify the figure which when put in place of the question mark (?) will logically complete the series.
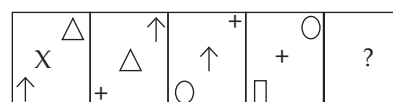
25. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Mandarin : China :: Swahili : ?

(a) Ukraine   (b) France
(c) Kenya   (d) Peru

General Awareness

1. Which of the following is NOT considered a method of conservation of natural resources?

(a) Extraction
(b) Afforestation
(c) Recycling
(d) Terrace farming

2. Uppalapu Shrinivas was a _____ player who was awarded with the Padma Shri in 1998.

(a) veena   (b) violin
(c) mandolin   (d) tabla

3. Select the INCORRECT combination of dance and its respective state of origin.

(a) Sattriya – Himachal Pradesh
(b) Bharatanatyam – Tamil Nadu
(c) Kuchipudi – Andhra Pradesh
(d) Kathakali – Kerala

4. Under which Article of the Indian Constitution are traffic in human beings and beggar and other forms of forced labour prohibited?

(a) Article 23   (b) Article 21
(c) Article 32   (d) Article 27

5. In 1908 Khudiram Bose along with _____ was involved in throwing a bomb at a carriage believing it to be occupied by Kings ford, the then sitting judge of Muzaffarpur.

(a) Rajguru
(b) Sukhdev
(c) Prafulla Chaki
(d) Bhagat Singh

6. Industries of strategic and national importance are usually placed in the _____ sector.

(a) Public   (b) Co-operative
(c) Private   (d) Joint

(a) witnesses of
(b) that event
(c) were
(d) Four people

15. Select the correct option to substitute the underlined segment in the given sentence.
   This secret will remain between you and I.
   (a) between you
   (b) among you and I
   (c) between I and you
   (d) between you and me

Comprehension: (16-20)

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Santosh Bisen, science teacher and cartoonist at Jawahar Navodaya Vidyalaya in Durg, Chhattisgarh (1)_____ his drawing (2)_____ to convert chapters into comic strips."Convincing authorities to turn textbooks into comics was difficult. I spent my own money to(3)_____ textbooks. I also used cartoons in question papers," he says. "Students were(4)_____ with how simple science became and their performance (5)_____," he adds.

16. Select the most appropriate option to fill in blank number 1.
   (a) used
   (b) maintained
   (c) depicted
   (d) reformed

17. Select the most appropriate option to fill in blank number 2.
   (a) skills   (b) terms
   (c) tricks   (d) art

18. Select the most appropriate option to fill in blank number 3.
   (a) restore   (b) allocate
   (c) mend   (d) design

19. Select the most appropriate option to fill in blank number 4.
   (a) thrilled   (b) disgusted
   (c) shocked   (d) disappointed

20. Select the most appropriate option to fill in blank number 5.
   (a) improved   (b) reframed
   (c) regained   (d) regretted

Comprehension: (21-25)

Read the above paragraph and choose the correct answers for the questions given below.
Helping others physically, by removing their physical needs, is indeed a good thing, but spiritual help is more substantial, as it is more far reaching because the need is greater. ... It is only with the knowledge of the spirit that the faculty of want is annihilated forever, so helping man spiritually is the best help that can be extended to him. He who gives spiritual knowledge is the greatest benefactor of mankind. A spiritually strong man can be powerful in every other respect, if he so wishes. Until there is spiritual strength in man, even physical needs cannot be well satisfied. Next to spiritual comes intellectual help. The gift of knowledge is far higher than that of food and clothes, it is even higher than giving life to a man, because real life of a man consists of knowledge. Ignorance is death, knowledge is life.

21. According to the author, ignorance is _____ and knowledge is _____.
   (a) death, life
   (b) bliss, painful
   (c) painful, bliss
   (d) life, avoidable

22. According to the author, which of the following is a far higher gift than food and clothes, or even of life?
   (a) Jobs   (b) Food
   (c) Knowledge   (d) Books

23. What according to the author is the highest good that one can do?
   (a) Extending spiritual help to others
   (b) Doing intellectual good to people
   (c) Monitory help
   (d) Helping others physically

24. What does the word 'annihilated' mean in the context of the above passage?
   (a) Obliterated (b) Omitted
   (c) Occluded   (d) Obstructed

25. How can the faculty of want be destroyed forever?
   (a) With the knowledge of the spirit
   (b) With physical assistance
   (c) With knowledge provided in books
   (d) With a charitable spirit

EXPLANATION

General Intelligence

1. **(d),** just as

B	A	G	S
2	1	7	19

+2 +2 +2 +2

4	3	9	21

Now,

K	H	E	M
11	8	5	13

+2 +2 +2 +2

13	10	7	15

Similarly

J	I	N	K
10	9	14	11

+2 +2 +2 +2

12	11	16	13

So, JINK will be coded as 12111613.

2. **(b),** The given figure is embedded
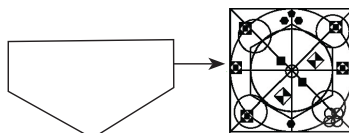
So, correct option is (b).

3. **(d),** According to dice

2	3	1	Front face
4	5	6	Opposite face

So, opposite of 2 is 4.

4. **(d),** Series follow here : CCDBA
   C C D B A / C C D B A / C C D B A / C C D B A
   Hence correct answer is CDDBBACB.

5. **(b),** Just as

C U R T A I N
R U C T N I A

Now,

S   U   P   P   O   S   E

P   U   S   P   E   S   O
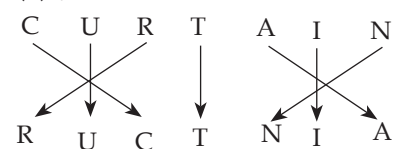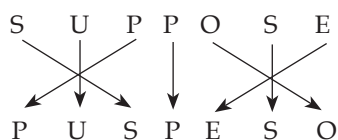
similarly
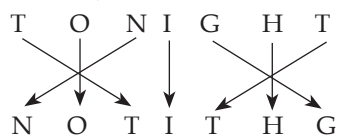
T   O   N   I   G   H   T

N   O   T   I   T   H   G

So, TONIGHT will be coded as NOTITHG.

6. **(b),** As per given information

L I F $\boxed{E}$ $\longrightarrow$ $\boxed{4}$ 7 6 5

M $\boxed{E}$ A T $\longrightarrow$ 9 1 $\boxed{4}$ 2

So, E will be coded as 4.

7. **(c)**, **According to question**

(wife) W ◄— V Father

T ◄— R (mother)
(brother)

Mother's Mother

P
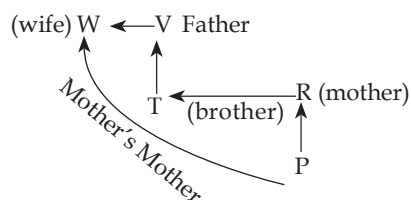
As per given diagram W is P's mother's Mother.

8. **(b), According to question**

14   158   258   322 $\boxed{358}$ 374

+144 +100   +64   +36   +16

12^2 10^2 8^2 6^2 4^2

So, 358 is correct answer.

9. **(d),** The correct logical and meaningful order is:

5. Sheep → Sheep produces wool

1. Wool → Wool obtained from the sheep.

4. Yarn → Wool is spun into yarn

3. Garments → Then Yarn is used to make garments

2. Shops → Garments are then sold in shops.

The correct order is '5, 1, 4, 3, 2'.,

10. **(d), According to question**

are you $\boxed{\text{coming}}$ → mk hv $\boxed{\text{rc}}$

$\boxed{\text{coming}}$ of age → bs $\boxed{\text{rc}}$ gt

coming → rc

So, coming will be coded as rc.

11. **(d),** The correct order of the given words as they appear in an English dictionary:

2. Pace
4. Package
1. Painter
3. Pair
5. Paragraph

So, correct order is 24135.

12. **(d), Statements**

OR

Conclusions

I.

II.

III.
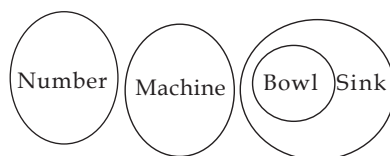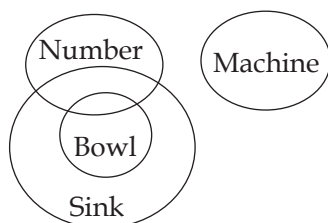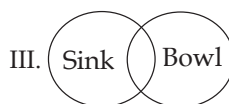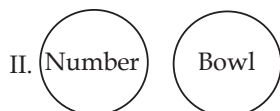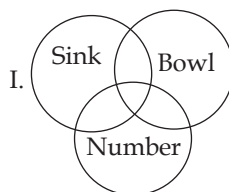
As per given diagram only conclusion III is correct.

13. **(b),** Just as

G   A   S
7   1   19

Opposite Opposite Opposite

T   Z   H
20 + 26 +   8 = 54

Now,

J   O   G
10   15   7

Opposite Opposite Opposite

Q   L   T
17 +   12 +   20 = 49

Similarly

Z   I   P
26   9   16

Opposite Opposite Opposite

A   R   K
1   +   18 +   11 = 30

So, ZIP will be coded as 30.

14. **(b),** just as

D   E   F   G   H   I
+2   +3   +2   +3   +2   +3
F   H   H   J   J   L

Now,

M   P   Q   S   I   V
+2   +3   +2   +3   +2   +3
O   S   S   V   K   Y

Similarly

P   O   L   I   C   E
+2   +3   +2   +3   +2   +3
R   R   N   L   E   H

So, POLICE will be coded as RRNLEH.

15. **(a), Statements**
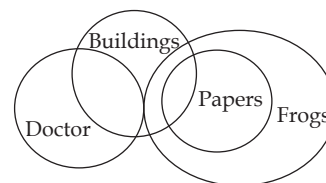
Conclusions

I.

II.

III.

As per given diagram only conclusion III is correct.

General Intelligence

1. In a certain code language,
A + B means 'A is the mother of B'
A – B means 'A is the brother of B'
A × B means 'A is the wife of B'
A # B means 'A is the father of B'
Based on the above, how is W related to P if 'W × V # T – R + S × P'?
(a) Wife's mother's sister's daughter
(b) Wife's mother
(c) Wife's mother's mother
(d) Wife's mother's sister

2. In a certain code language, 'ASK' is written as '100', and 'BAG' is written as '142'. How will 'DIE' be written in that language?
(a) 134   (b) 144
(c) 118   (d) 126

3. Identify the figure which when put in place of the question mark (?) will logically complete the series.

(a) (b)

(c) (d)

4. Which two signs should be interchanged to make the given equation correct?
$152 + 8 × 16 ÷ 9 – 4 = 309$
(a) ÷ and –   (b) ÷ and +
(c) – and +   (d) + and ×

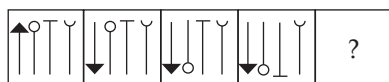**5.** In a certain code language, some statements are coded as given.
1. "Economy growth level down" is coded as "77 42 11 36".
2. "Slow percentage rate range" is coded as "55 91 23 82".
3. "Economy growth rate index range" is coded as "77 64 91 11 82".
4. "Economy range level down" is coded as "36 11 42 82".
What is the code for "55 11 77 23 91"?

(a) Slow growth economy percentage range
(b) Slow economy growth percentage rate
(c) Slow percentage economy growth index
(d) Economy down growth rate slow

6. Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

FOREIGN : ROFNGIE :: PRODUCT : ORPTCUD :: BENEFIT : ?

(a) NEBTIEF   (b) NEBFITE
(c) NEBTIFE   (d) NEBETIF

7. Select the option that is related to the third word in the same way as the second word is related to the first word.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Odisha : Odia :: Kerala : ?
(a) Tamil   (b) English
(c) Hindi   (d) Malayalam

8. Select the combination of letters that when sequentially placed from left to right in the blanks of the given series will complete the letter series.

A _ _ O U A E I _ _ A _ I _ U A E _ O _

(a) E I U O O E I U
(b) E I O U O E U I
(c) E I U O E O I U
(d) E I O U E O I U

9. In a certain code language, 'how are you' is coded as 'df yt ui' and 'trees are tall' is coded as 'ui hk op'. How will 'are' be coded in that language?
(a) ui   (b) df
(c) hk   (d) yt

10. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).
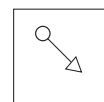
(X)

(a) (b)

(c) (d)

11. 9 is related to 16 following a certain logic. Following the same logic, 25 is related to 36. To which of the following is 81 related using the same logic?
(a) 49   (b) 100
(c) 77   (d) 121

12. Select the option that is related to the third word in the same way as the second word is related to the first word.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Clown : Circus :: Doctor : ?
(a) Hospital   (b) Medicine
(c) Patient   (d) Operation

13. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

(a) (b)
(c) (d)

14. Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.
1. Seed   2. Tree
3. Furniture   4. Wood
5. Plant
(a) 1, 2, 5, 4, 3   (b) 1, 5, 2, 4, 3
(c) 1, 5, 2, 3, 4   (d) 1, 5, 4, 2, 3

15. In a certain code language, 'REO' is coded as '22919' and 'BVL' is coded as '62616'. How will 'DUX' be coded in that language?

(a) 72467 (b) 83536
(c) 82528 (d) 74617

16. Select the option that is related to the third word in the same way as the second word is related to the first word

Sahara : Libya :: Gobi : ?

(a) India (b) China
(c) Uzbekistan (d) Afghanistan

17. Select the number from among the given options that can replace the question mark(?) in the following series.

24.9, 23.6, 21, 17.1, ?, 5.4

(a) 10.5 (b) 11.9
(c) 9.6 (d) 12.1

18. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
All eggs are oats.
All oats are buckets.
All buckets are plastics.
Conclusions:
(I) All buckets are eggs.
(II) Some plastics are oats.
(III) All plastics are buckets.

(a) All the conclusions I, II and III follow
(b) Either conclusion I or conclusion III follows
(c) Only conclusion I follows
(d) Only conclusion II follows

19. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

_yz_zx_xyx_z_zxzx_

(a) zxyxyy (b) zxyxyy
(c) xyzzxy (d) xyxzxy

20. In a certain code language, 'i like apple' is coded as 'rt gf po' and 'you like orange' is coded as 'po bv sd'. How will 'like' be coded in that language?

(a) po (b) bv
(c) sd (d) gf

21. In a certain code language, 'RUB' is written as '22118', and 'SOW' is written as' 231519'. How will 'WHY' be written in that language?

(a) 231024 (b) 25103
(c) 23825 (d) 25823

22. Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown. Select the number on the face opposite to the one having 1.

(a) 6 (b) 2
(c) 4 (d) 3

23. In a certain code language,
'A + B' means 'A is the mother of B',
'A − B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A ÷ B' means 'A is the father of B'.
Based on the above information, how is R related to P if 'P + Q ÷ R × S − T ÷ U'?

(a) Son's son
(b) Son's sister
(c) Son's daughter
(d) Son's wife

24. Three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some fractions are marts.
No mart is a stud.
All studs are frogs.
Conclusions:
I. Some fractions are definitely not studs.
II. Some fractions are definitely not marts.

(a) Only conclusion II follows
(b) Either conclusion I or II follows
(c) Only conclusion I follows
(d) Both conclusions I and II follow

25. Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Language   2. Landlord
3. Laugh   4. Landing
5. Latter

(a) 4, 1, 2, 5, 3 (b) 3, 2, 1, 5, 4
(c) 4, 2, 1, 5, 3 (d) 3, 1, 2, 5, 4

General Awareness

1. In which year did Dr. Sarvepalli Radhakrishnan assume office as the first Vice-President of India?

(a) 1954 (b) 1951
(c) 1952 (d) 1950

2. The Indian Government scheme, STARS (Strengthening Teaching-Learning andResults for states) project has signed in agreement with _____ on 28 January 2021.

(a) European Investment Bank (EIB)
(b) Inter-American Development Bank Group
(c) World Bank
(d) Asian Development Bank

3. Select the INCORRECT statement about Agar.

(a) Agar is used to grow microbes.
(b) Agar, one of the commercial products obtained from red algae, gelidium and gracilaria.
(c) It is used as nutrient and source of fat of bacterial culture.
(d) It is used in preparations of ice-creams and jellies.

4. An argon positive ion fired towards east gets deflected towards south by a magnetic field. The direction of magnetic field is:

(a) upward
(b) towards north
(c) downward
(d) towards south

5. According to the Human Development Index 2021, which neighbouring countries from the following ranked behind India?

(a) Bangladesh (b) Maldives
(c) Afghanistan (d) Bhutan

6. Tertiary coals occur in which of the following states in India?

(a) Uttarakhand
(b) Meghalaya
(c) Bihar
(d) Haryana

7. How many components of population change are there which are core to the domain of population studies?

(a) 3 (b) 2
(c) 5 (d) 4

(a) They have met Mr. Deshmukh at the site office.

(b) They will be meeting Mr. Deshmukh at the site office.

(c) They have been meeting Mr. Deshmukh at the site office.

(d) They will meet Mr. Deshmukh at the site office.

Comprehension: (16-20)

Read the given passage and answer the question that follows.

Indian rivers play an integral part in enriching the value and heavenly beauty of India. They are our greatest natural assets. There are hundreds of them watering our land and making it green and fertile; they even flow as natural highways linking the towns with the villages. The most eye-catching variety of these rivers is that there are navigable rivers, especially in Bengal and Kerala. Even raging torrents which leap from the mountains down to the deep gorges. Some huge rivers sometimes burst their banks and flood the countryside, and intribute to their strength and beauty, we have always held them sacred. To love India is to love her rivers, big and small.

16. **Select the most appropriate option to fill in the blank.**

    I found it _____ that some people hate rivers.

    (a) peculiar   (b) sacred
    (c) gorgeous   (d) tribute

17. **What are the two words highlighted in the passage that describe the vital role of rivers in the development of the agriculture sector?**

    (a) Burst and flood
    (b) Watering and fertile
    (c) Leaping torrents and navigable rivers
    (d) Countryside and villages

18. **Why are the rivers called natural highways?**

    (a) Because they link the towns and villages
    (b) Because they avoid overflow and flood
    (c) Because national highways are built alongside their banks
    (d) Because they enrich the beauty of Bengal and Kerala

19. **What are the characteristics of rivers in India?**

    (a) Watering, navigable, sacred, huge, and small
    (b) Destroyable, tiny, pond-sized
    (c) Storable, impure, negligible
    (d) Reverse flowing, unflawed, useless

20. **Select the most appropriate word from the passage to fill in the blank.**

    Why do Indians hold their rivers _____?

    (a) tribute   (b) sacred
    (c) navigable   (d) variety

Comprehension: (21-25)

Read the given passage and answer the questions that follow.

Sheena was an intelligent girl living in a small town of north India. She wanted to become a doctor, but her family's financial condition was not good. To pursue her dreams, she had to find out a way. She decided to work after school. She joined a restaurant where she would work till midnight. She started saving money for her education. But the salary was not enough to bear the expenses of medical studies. When her father came to know about her aspirations, he decided to sell his ancestral property without letting Sheena know about it. After completing her 12th, Sheena appeared for the joint medical entrance test and secured a 3rd all India ranking. She got admission in a government medical college.

21. **Select a suitable title for the given passage.**

    (a) Pursuing Dreams Against Odds
    (b) Unexpected Opportunities
    (c) Financial Struggles
    (d) Small Town Struggles

22. **What is the most appropriate connection to real-life situations?**

    (a) Hard work pays off
    (b) Importance of winning a lottery to fulfil dreams
    (c) The negative impact of following one's passion
    (d) Sell your belongings to fulfil your dreams

23. **Which rank did Sheena secure in the joint medical entrance test?**

    (a) 3rd all India ranking
    (b) 4th all India ranking
    (c) 1st all India ranking
    (d) 2nd all India ranking

24. **Select the most appropriate option that can substitute the bracketed word segment.**

    Sheena's father decided to support her aspirations by selling his (ancestral property).

    (a) neighbour's property
    (b) rented property
    (c) property inherited from family
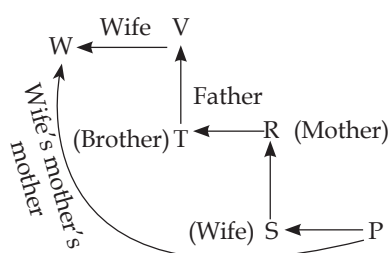   (d) property taken on loan

25. **What is the message one gets from this story?**

    (a) If you work hard and follow your dream, you will get success.
    (b) It is okay not to follow your dreams.
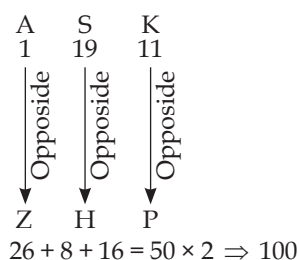   (c) Follow you passion but don't work hard.
    (d) One should not work hard.
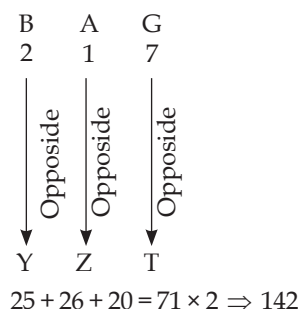
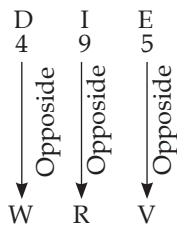## EXPLANATION

General Intelligence

1. **(c),** According to question

As per diagram W is the wife's mother's mother of P.

2. **(d),** Just as.

$26 + 8 + 16 = 50 \times 2 \Rightarrow 100$

Now,

$25 + 26 + 20 = 71 \times 2 \Rightarrow 142$

Similarly

$$\begin{array}{ccc} D & I & E \\ 4 & 9 & 5 \end{array}$$

Opposide   Opposide   Opposide

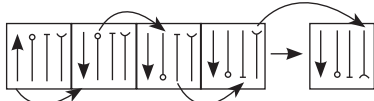$$\begin{array}{ccc} W & R & V \end{array}$$

$23 + 18 + 22 = 63 \times 2 \Rightarrow \boxed{126}$

So, DIE will be coded as 126.

3. (a), According to question

So, option (a) is correct answer.

4. (b), According to question

$152 + 8 \times 16 \div 9 - 4 = 309$

Interchanging the sign of ÷ and +

$\Rightarrow \quad 152 \div 8 \times 16 + 9 - 4 = 309$

$\Rightarrow \quad 152 \div 8 \times 16 + 9 - 4 = 309$

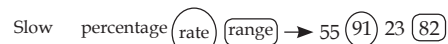$\Rightarrow \quad 19 \times 16 + 9 - 4 = 309$

$\Rightarrow \quad 304 + 9 - 4 = 309$

$\Rightarrow \quad 313 - 4 = 309$

$\Rightarrow \quad 309 = 309$ balance

So, correct option is (b).

5. (b), According to question,

slow = 55 or 23

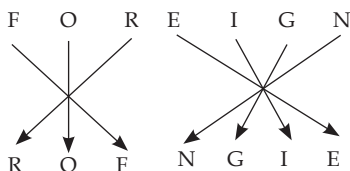percentage = 55 or 23

∴ Slow economy growth percentage rate = 55 11 77 23 91
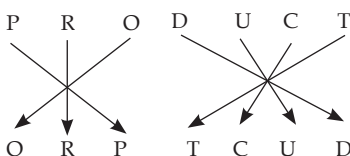
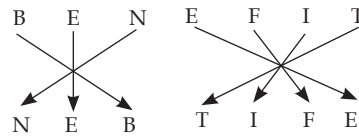So, Slow economy growth percentage rate will be coded as 55 11 77 23 91.

6. (c), Just as,

$$\begin{array}{ccccccc} F & O & R & E & I & G & N \end{array}$$

$$\begin{array}{ccccccc} R & O & F & N & G & I & E \end{array}$$

Now,

$$\begin{array}{ccccccc} P & R & O & D & U & C & T \end{array}$$

$$\begin{array}{ccccccc} O & R & P & T & C & U & D \end{array}$$

Similarly,

$$\begin{array}{ccc} B & E & N \end{array} \quad \begin{array}{cccc} E & F & I & T \end{array}$$

$$\begin{array}{ccc} N & E & B \end{array} \quad \begin{array}{cccc} T & I & F & E \end{array}$$

So, BENEFIT will be coded as NEBTIFE.

7. (d), Odia is the official language of Odisha, while Malayalam is the official language of Kerala.

8. (d), Here logic is follow AEIOU. A **E I** O U / A E I **O U** / A **E I O** U / A E **I** O **U**

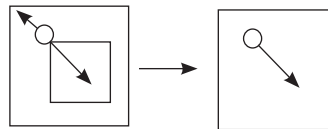So, EIOUEOIU will come at the place of blank space.

9. (a), According to question

how (are) you ⟶ df   yt   (ui)

trees (are) tall ⟶ (ui)   hk   op

are = ui

So, 'are' will be coded as ui.

10. (b), The given figure is embedded from:

Hence, correct option is (b)

11. (b), According to question

9 : 16

$\left(\sqrt{1^{st}\,number} + 1\right)^2 = 2^{nd}$ number

$\Rightarrow \left(\sqrt{9} + 1\right)^2 = (3 + 1)^2 = 4^2 = 16.$

Now,

25 : 36

$\left(\sqrt{1^{st}\,number} + 1\right)^2 = 2^{nd}$ number

$\Rightarrow \left(\sqrt{25} + 1\right)^2 = (5 + 1)^2 = 6^2 = 36.$

Similarly, for 81 : ?

$\left(\sqrt{1^{st}\,number} + 1\right)^2 = 2^{nd}$ number

$\Rightarrow \left(\sqrt{81} + 1\right)^2 = (9 + 1)^2 = 10^2 = 100.$

So, 100 is correct answer.

12. (a), clowns perform in circuses. similarly doctors use their skills in hospital.

13. (d), Mirror image

$$\text{M}$$
$$\text{H O T E L} \mid \text{J Ǝ T O H}$$
$$\text{N}$$

So, correct option is (d).

14. (b), As per given information

1. **Seed :** A seed is a basic part of any plant.

5. **Plant :** When a seed germinates under favorable conditions, it breaks open and a sprout emerges, eventually growing into a plant.
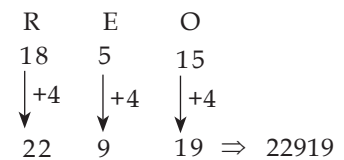
2. **Tree :** A tree is a perennial plant with an elongated stem, or trunk, usually supporting branches and leaves.

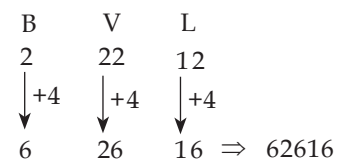4. **Wood :** Wood is obtained from the trunk of mature trees.

3. **Furniture :** Wood is and used to make furniture.
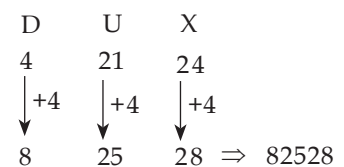
So, the correct order is '1, 5, 2, 4, 3'.

15. (c), Just as

$$\begin{array}{ccc} R & E & O \\ 18 & 5 & 15 \end{array}$$

+4   +4   +4

$$\begin{array}{ccc} 22 & 9 & 19 \end{array} \Rightarrow 22919$$

Now,

$$\begin{array}{ccc} B & V & L \\ 2 & 22 & 12 \end{array}$$

+4   +4   +4

$$\begin{array}{ccc} 6 & 26 & 16 \end{array} \Rightarrow 62616$$

similarly

$$\begin{array}{ccc} D & U & X \\ 4 & 21 & 24 \end{array}$$

+4   +4   +4

$$\begin{array}{ccc} 8 & 25 & 28 \end{array} \Rightarrow 82528$$

So, DUX will be coded as 82528.

16. (b), Sahara is a desert located in Libya. Similarly Gobi is a desert located in China. Hence, the correct answer is China.

17. (b), According to question

$$24.9 \quad 23.6 \quad 21 \quad 17.1 \quad \boxed{11.9} \quad 5.4$$

-1.3   -2.6   -3.9   -5.2   -6.8
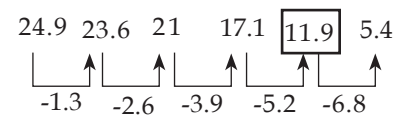
So, 11.9 is correct answer.

18. (d), statement