

Selection Post Examination Phase XII 2024

Exam Date	26/06/2024
Exam Time	2:30 PM - 3:30 PM
Subject	Selection Post Graduate level

Section : General Intelligence

Q1 Select the number from among the given options that can replace the question mark (?) in the following series.
552, ?, 650, 702, 756

- Ans
- ✓ 1. 600
 - ✗ 2. 590
 - ✗ 3. 625
 - ✗ 4. 576

Q2 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'?

- Ans
- ✗ 1. Husband's father's sister's daughter
 - ✓ 2. Mother's brother's son's wife
 - ✗ 3. Mother's brother's son's mother
 - ✗ 4. Mother's mother

Q3 If '+' means 'subtraction', '-' means 'multiplication', '÷' means 'addition' and '×' means 'division', then what is the value of the following expression?
22 – 4 + 72 × 18 ÷ 31

- Ans
- ✓ 1. 115
 - ✗ 2. 124
 - ✗ 3. 118
 - ✗ 4. 152

Q4 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?

- Ans
- ✗ 1. M22G712M
 - ✓ 2. M22F7112M
 - ✗ 3. M23F7L13M
 - ✗ 4. M22F8L12M

Q5 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

- Ans
- ✗ 1. EZFMOZMO
 - ✗ 2. EEOFZMZM
 - ✗ 3. EMZFMOZO
 - ✓ 4. EMFZMOZO

Q6 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?

- Ans
- ☒ 1. fr
 - ☐ 2. hg
 - ☐ 3. df
 - ☐ 4. op

Q7 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?

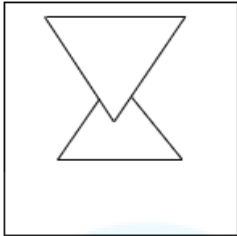
- Ans
- ☐ 1. 284
 - ☐ 2. 282
 - ☒ 3. 286
 - ☐ 4. 280

Q8 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.

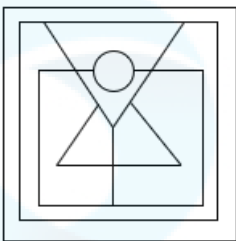
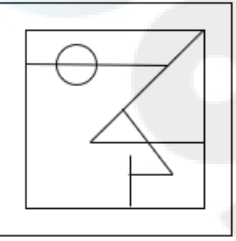
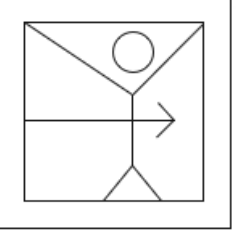
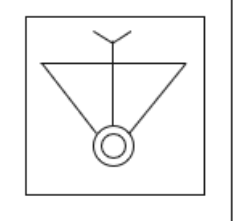
EMAILS : VILXPB :: JOINED : GBQFRG :: MAKERS : ?

- Ans
- ☐ 1. VOCHDJ
 - ☒ 2. VOHHDJ
 - ☐ 3. VOBHDJ
 - ☐ 4. VOHHXJ

Q.9 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



Ans

1.  ☒
2.  ☐
3.  ☐
4.  ☐

Q.10 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 : ?

- Ans ☐ 1. Ears
☒ 2. Eyes
☐ 3. Bones
☐ 4. Teeth

Q.11 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

- Ans ☐ 1. srss
☐ 2. ssrs
☐ 3. rrss
☒ 4. srsr

Q.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)
USA : Dollar :: Bangladesh : ?

- Ans
- ☐ 1. Ruble
 - ☐ 2. Lira
 - ☐ 3. Rupee
 - ☒ 4. Taka

Q.13 In a code language, 'MAINTY' is coded as 'SGOTZE' and 'GENIOUS' is coded as 'MKTOUAY'. How will 'POPULAR' be coded in the same language?

- Ans
- ☐ 1. VUKARGX
 - ☐ 2. KUUARGX
 - ☐ 3. KUVARGX
 - ☒ 4. VUVARGX

Q.14 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.

- Ans
- ☐ 1. Either conclusion I or conclusion III follows
 - ☐ 2. Only conclusion II follows
 - ☐ 3. Only conclusion I follows
 - ☒ 4. All the conclusions I, II and III follow

Q.15 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



- Ans
- ☐ 1. TOY
 - ☐ 2. YO┐
 - ☐ 3. ┐OY
 - ☒ 4. YOT

Q.16 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

- Ans
- ☐ 1. 3, 5, 1, 2, 4
 - ☐ 2. 5, 3, 1, 4, 2
 - ☐ 3. 3, 1, 5, 4, 2
 - ☒ 4. 3, 5, 1, 4, 2

Q.17 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:

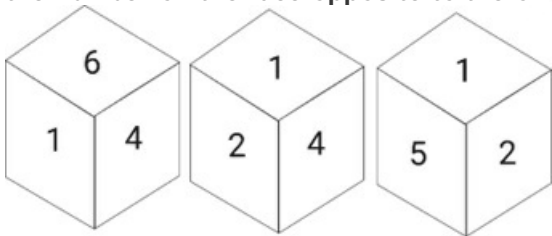
- No chess is a can.
- Not a single can is a horn.
- Every horn is an adapter.

Conclusions:

- I. Some adapters which are horns are chess as well.
- II. No chess is a horn.
- III. Some adapters are horns.

- Ans
- ☐ 1. Either conclusion I or II follows
 - ☐ 2. Both conclusions II and III follow
 - ☐ 3. All conclusions follow
 - ☒ 4. Only conclusion III follows

Q.18 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.



- Ans
- ☐ 1. 3
 - ☒ 2. 5
 - ☐ 3. 1
 - ☐ 4. 6

Q.19 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 : ?

- Ans
- ☒ 1. VERESRE
 - ☐ 2. VEREERS
 - ☐ 3. VERESER
 - ☐ 4. VERSERE

Q.20 In a certain code language, 'BELO' is coded as '271217' and 'IGJA' is coded as '117103'. How will 'DUXE' be coded in that language?

- Ans
- ☐ 1. 325227
 - ☐ 2. 424268
 - ☒ 3. 423247
 - ☐ 4. 324246

Q.21 In a code language, 'ELASTCY' is coded as 'GNCSVEA' and 'VIRTUAL' is coded as 'XKTTWCN'. How will 'TANGLED' be coded in the same language?

- Ans
- ☐ 1. VCPGMGF
 - ☐ 2. VCPGMGE
 - ☐ 3. VCQGNGF
 - ☒ 4. VCPGNGF

Q.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

- Ans
- ☒ 1. 5, 6, 1, 3, 2, 4
 - ☐ 2. 5, 6, 1, 2, 3, 4
 - ☐ 3. 5, 1, 6, 3, 2, 4
 - ☐ 4. 5, 6, 1, 3, 4, 2

Q.23 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?

- Ans
- ☐ 1. 1
 - ☒ 2. 3
 - ☐ 3. 5
 - ☐ 4. 6

Q.24 Identify the figure which when put in place of the question mark (?) will logically complete the series.

=	= +	= + □	= + □ ○	?
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Ans

1.

+

□

 =
=

○
- ✗

2.

=

□

 +
+

○

✗

3.

=

 +

□

○

△

✓

4.

=

 +

□

□

○

✗

Q.25 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?

- Ans
- ✗ 1. Father
- ✓ 2. Mother's brother
- ✗ 3. Father-in-law
- ✗ 4. Grandfather

Section : General Awareness

Q.1 Which of the following is NOT among the commercial sources of energy?

- Ans
- ✗ 1. Hydropower
- ✗ 2. Electricity
- ✓ 3. Fuel wood
- ✗ 4. Petroleum

Q.2 Atmospheric temperature does NOT depend on _____.

- Ans
- ✓ 1. salinity of oceans
 - ✗ 2. altitude
 - ✗ 3. distance from sea
 - ✗ 4. latitude

Q.3 _____ is associated with the production and metabolism of fats and steroid hormones.

- Ans
- ✓ 1. Smooth endoplasmic reticulum
 - ✗ 2. Nucleus
 - ✗ 3. Golgi apparatus
 - ✗ 4. Mitochondrion

Q.4 Who elects the Presiding Officer (the speaker) in the State legislature?

- Ans
- ✗ 1. Chief Minister
 - ✓ 2. Members of Vidhan Sabha
 - ✗ 3. Member of Vidhan Parishad
 - ✗ 4. Council of Ministers

Q.5 Which ministry started the Pradhan Mantri Rojgar Protsahan Yojana?

- Ans
- ✗ 1. Ministry of Rural Development
 - ✗ 2. Ministry of Corporate Affairs
 - ✓ 3. Ministry of Labour and Employment
 - ✗ 4. Ministry of Home Affairs

Q.6 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?

- Ans
- ✗ 1. Procurement and Marketing Support (PMS) Scheme
 - ✓ 2. Start-up India Seed Fund Scheme (SISFS)
 - ✗ 3. Pradhan Mantri Rozgar Yojana (PMRY)
 - ✗ 4. Pradhan Mantri MUDRA Yojana (PMMY)

Q.7 In which of the following dance forms is Mati-Akhora used as the basic exercise pattern that facilitates various dance poses?

- Ans
- ✗ 1. Manipuri
 - ✗ 2. Kathakali
 - ✗ 3. Kuchipudi
 - ✓ 4. Sattriya

Q.8 Select the correct statement about climax community.

- Ans
- ✗ 1. It is an ecological community in which populations of plants or animals, which are very unstable and exist for very few time.
 - ✓ 2. It is an ecological community in which populations of plants or animals remain stable and exist in balance with each other and their environment.
 - ✗ 3. It is a very first community of ecosystem.
 - ✗ 4. It consist of only plant population that makes a new ecological system.

Q.9 Select the INCORRECT statement from among the following.

- Ans
- ✗ 1. 'Dhamek Stupa' is situated in Uttar Pradesh.
 - ✓ 2. 'Piprahwa Stupa' is situated in Sikkim.
 - ✗ 3. 'Bavikonda Stupa' is situated in Andhra Pradesh.
 - ✗ 4. 'Sanchi Stupa' is situated in Madhya Pradesh.

Q.10 Which of the following statements is/are true for the recipients of the Sangeet Natak Akademi Awards?
1.Sonal Mansingh was elected as Fellow of Sangeet Natak Akademi in the year 2018.
2.Jatin Goswami was elected as Fellow of Sangeet Natak Akademi in the year 2018.
3.Radha Sridhar received the Sangeet Natak Akademi Award in the year 2018 for her contribution to Kathak.

- Ans ☐ 1. Both 1 and 3
☒ 2. Both 1 and 2
☐ 3. Both 2 and 3
☐ 4. Only 3

Q.11 How many countries participated in the 2016 South Asian Games?

- Ans ☒ 1. Eight
☐ 2. Five
☐ 3. Seven
☐ 4. Six

Q.12 Who among the following was conferred with the title of 'Khan-i-Khanan' under Akbar?

- Ans ☐ 1. Todar Mal
☒ 2. Bairam Khan
☐ 3. Baz Bahadur
☐ 4. Abul Fazl

Q.13 What is the percentage of concession on fares provided to women on HRTC buses under the 'Nari ko Naman' scheme launched by the Chief Minister of Himachal Pradesh in 2022?

- Ans ☐ 1. 75%
☒ 2. 50%
☐ 3. 100%
☐ 4. 25%

Q.14 Which Article of the Indian Constitution mentions that the President is eligible for re-election?

- Ans ☐ 1. Article 55
☐ 2. Article 56
☒ 3. Article 57
☐ 4. Article 54

Q.15 Which of the following statements about the Kushana dynasty is INCORRECT?

- Ans ☒ 1. The First Buddhist Council was organised by Kanishka.
☐ 2. Many Kushana rulers also adopted the title 'devaputra', or 'son of god'.
☐ 3. The Kushanas were a major ruling group in the post-Mauryan period.
☐ 4. Asvaghosha, the author of the Buddhacharita, was the court poet of Kanishka.

Q.16 Who among the following is called 'father of Indian constitution'?

- Ans ☒ 1. Bhim Rao Ambedkar
☐ 2. P Subbarayan
☐ 3. Rajendra Prasad
☐ 4. Gopinath Bordoloi

Q.17 The novel 'The White Tiger' was written by:

- Ans
- ☐ 1. Vikram Chandra
 - ☐ 2. Indu Sundaresan
 - ☐ 3. Amitav Ghosh
 - ☒ 4. Aravind Adiga

Q.18 Geologically, which of the following physiographic divisions of India is supposed to be one of the most stable land blocks?

- Ans
- ☐ 1. The Himalayas
 - ☒ 2. The Peninsular Plateau
 - ☐ 3. The Northern Plains
 - ☐ 4. The Indian Desert

Q.19 Mahatma Gandhi National Rural Employment Guarantee Act (2005) provides work for how many days?

- Ans
- ☐ 1. 200
 - ☐ 2. 125
 - ☐ 3. 300
 - ☒ 4. 100

Q.20 Which of the following does NOT come under Directive Principles of State Policy?

- Ans
- ☒ 1. Promotion of Indian Local Languages
 - ☐ 2. Promotion of Cottage Industries
 - ☐ 3. Promotion of the Welfare of the People
 - ☐ 4. Uniform Civil Code

Q.21 Identify the Indian musician who is associated with wind instrument (played by blowing).

- Ans
- ☐ 1. Pandit Ravi Shankar
 - ☐ 2. Vishwa Mohan Bhat
 - ☐ 3. Pandit Deen Dayal
 - ☒ 4. Bismillah Khan

Q.22 Which of the following statements best describes Le Chatelier's Principle?

- A. The law states that the total pressure of a mixture of gases is equal to the sum of the partial pressures of the individual gases.
- B. The principle states that the rate of a chemical reaction is directly proportional to the concentration of reactants.
- C. The principle states that a change in the variables that describe a system at equilibrium causes a shift of the equilibrium position to counteract the change.
- D. The law states that the volume of a gas is inversely proportional to its pressure at constant temperature.

- Ans
- ☐ 1. A
 - ☒ 2. C
 - ☐ 3. B
 - ☐ 4. D

Q.23 Who among the following founded the Khudai Khidmatgars or the Red Shirts, a powerful non-violent movement?

- Ans
- ☐ 1. Mahatma Gandhi
 - ☐ 2. Subhas Chandra Bose
 - ☐ 3. BR Ambedkar
 - ☒ 4. Khan Abdul Ghaffar Khan

Q.24 Who has taken the oath as the Chief Minister of Meghalaya in March 2023?

- Ans
- ☐ 1. Prestone Tynsong
 - ☒ 2. Conrad K Sangma
 - ☐ 3. Sniawbhalang
 - ☐ 4. Thomas A Sangma

Q.25 The Ryotwari system, devised by Thomas Munro, in which peasant cultivators had to pay annual taxes directly to the government, was prevalent in which of the following present-day states/provinces?

- Ans
- ☐ 1. Odisha
 - ☐ 2. Punjab
 - ☐ 3. Rajasthan
 - ☒ 4. Tamil Nadu

Section : Quantitative Aptitude

Q.1 If * is a digit such that 7235 * is divisible by 11, then the value of * is:

- Ans
- ☒ 1. 8
 - ☐ 2. 5
 - ☐ 3. 6
 - ☐ 4. 9

Q.2 ΔXYZ is an isosceles triangle such that $XY = XZ$. It is given that $YS \perp XZ$ and $ZT \perp XY$. What is the relation between YS and ZT ?

- Ans
- ☐ 1. $YS > ZT$
 - ☐ 2. $YS < ZT$
 - ☐ 3. $YS = 2 ZT$
 - ☒ 4. $YS = ZT$

Q.3 30 persons working 10 hours a day can do 5 units of work in 12 days. How many people are required to do 8 units of that work in 16 days if they work for 8 hours a day?

- Ans
- ☐ 1. 47
 - ☒ 2. 45
 - ☐ 3. 38
 - ☐ 4. 30

Q.4 A dishonest dealer professes to sell grains at cost price, but he uses a weight of 925 g for 1 kg weight. Find his gain percentage. (Approximate to two decimals.)

- Ans
- ☐ 1. 0.085
 - ☐ 2. 0.0775
 - ☒ 3. 0.0811
 - ☐ 4. 0.075

Q.5 A stock portfolio consists of three stocks. Stock A represents 30% of the portfolio and has a return of 5%. Stock B represents 40% of the portfolio and has a return of 10%. Stock C represents the remaining 30% of the portfolio and has a return of 8%. What is the average return of the portfolio?

- Ans
- ☐ 1. 7.5%
 - ☐ 2. 7.2%
 - ☒ 3. 7.9%
 - ☐ 4. 8.1%

Q.6 If 12 students can read 4800 pages of a book in 15 days, then how many students can read 7200 pages of the same book in 10 days?

Ans ☒ 1. 33

☒ 2. 24

☒ 3. 27

☒ 4. 30

Q.7 An amount will be triple itself in 15 years at a certain rate of simple interest per annum. The rate of interest per annum is:

Ans ☒ 1. $14\frac{1}{3}\%$

☒ 2. $13\frac{1}{5}\%$

☒ 3. $13\frac{1}{3}\%$

☒ 4. $11\frac{1}{3}\%$

Q.8 If the average score of a cricketer in three matches is 38 and in two other matches is 23, then what is the average score in all five matches?

Ans ☒ 1. 34

☒ 2. 32

☒ 3. 36

☒ 4. 30

Q.9 On an item there is 8% discount on the marked price of ₹32,000. After giving an additional season's discount, the item is sold for ₹25,000. How much is the season's discount (in %)? (Correct to two places of decimal)

Ans ☒ 1. 15.08%

☒ 2. 14.08%

☒ 3. 12.08%

☒ 4. 13.08%

Q.10 On two items of equal prices, T gets 12% profit on one item and incurs 8% loss on other. What is his overall profit or loss percentage?

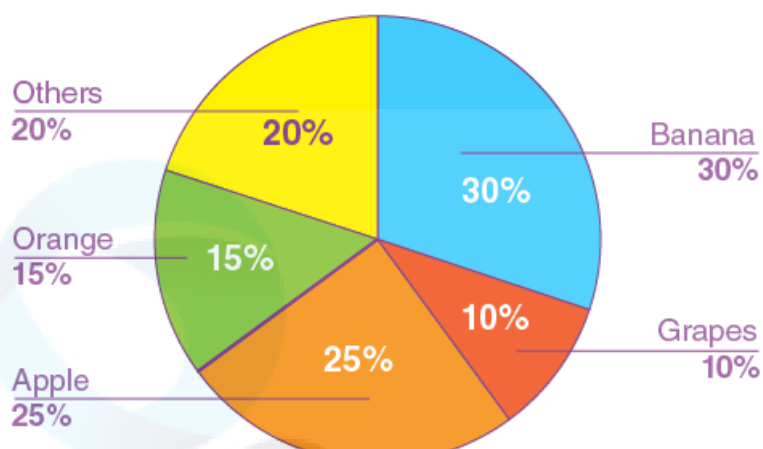
Ans ☒ 1. Profit, 4%

☒ 2. Loss, 4%

☒ 3. Loss, 2%

☒ 4. Profit, 2%

Q.11 The pie-chart below illustrates the different fruit yields from a farmer's land that were sold to a fruit shop during a specific week. study the chart and answer the question that follows.



If a total of 900 kg of fruits were sold that week, find the difference in sales (in kg) between oranges and grapes.

- Ans
- ☒ 1. 75
 - ☒ 2. 70
 - ☒ 3. 45
 - ☒ 4. 60

Q.12 If $x + \frac{1}{x} = 15$, then the value of $\left(x^2 + \frac{1}{x^2}\right)$ is:

- Ans
- ☒ 1. 223
 - ☒ 2. 225
 - ☒ 3. 17
 - ☒ 4. 13

Q.13 If $\sin \theta + \operatorname{cosec} \theta = \sqrt{5}$, then the value of $\sin^3 \theta + \operatorname{cosec}^3 \theta$ is:

- Ans
- ☐ 1. 0
 - ☒ 2. $2\sqrt{5}$
 - ☐ 3. $\sqrt{5}$
 - ☐ 4. $\frac{1}{\sqrt{5}}$

Q.14 A thief steals an item and escapes, running at 13.5 km/h. A policeman arrives at the spot of the crime after 8 minutes and immediately starts chasing the thief. 28 minutes after the policeman started to chase the thief, there is still a gap of 540 m between the two. At what distance from the spot of the crime would the policeman catch up with the thief, and what is the speed (in km/h) at which the policeman ran?

- Ans
- ☐ 1. 11.2 km, 16.4
 - ☒ 2. 10.8 km, 16.2
 - ☐ 3. 10.4 km, 16
 - ☐ 4. 12.96 km, 16.2

Q.15 Which of the following numbers is divisible by 8?

- Ans
- ☐ 1. 6006
 - ☐ 2. 6124
 - ☒ 3. 6816
 - ☐ 4. 5006

Q.16 If $\sqrt{1 + \frac{x^3}{9}} = 5$, then the value of x is equal to:

- Ans
- ☐ 1. 9
 - ☐ 2. 4
 - ☒ 3. 6
 - ☐ 4. 8

Q.17 The lengths of the three sides of a triangle are given as 3 cm, 4 cm and 5 cm. The ratio of their corresponding altitudes to the opposite vertices will be:

- Ans
- ☐ 1. 3:4:5
 - ☐ 2. 9:8:7
 - ☒ 3. 20:15:12
 - ☐ 4. 5:4:3

Q.18 A person spends 40% of his salary on food items, 50% of the remaining on transport, and 30% of the remaining on clothes. After spending on food, transport and clothes, he saves ₹1,260 every month, what is his monthly salary?

- Ans
- ☐ 1. ₹7,000
 - ☐ 2. ₹8,000
 - ☒ 3. ₹6,000
 - ☐ 4. ₹10,000

Q.19 Vinod and Sanjay were fighting against each other for the post of a village Pradhan. Sanjay got 47.5% votes and lost the election by 270 votes. How many votes did Vinod get (assuming that all the villagers participated in the voting)?

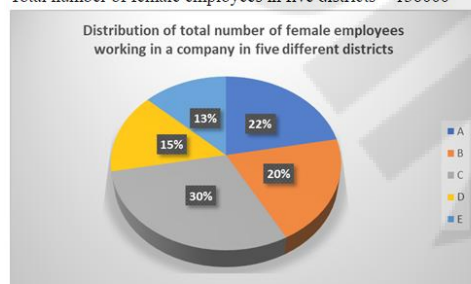
- Ans
- ☒ 1. 2655
 - ☒ 2. 2565
 - ☒ 3. 2835
 - ☒ 4. 2385

Q.20 Simplify the following expression:
 $(x + y)(x - y)(x^2 + y^2)(x^4 + y^4)(x^8 + y^8)(x^{16} + y^{16})$

- Ans
- ☒ 1. $x^{256} - y^{28}$
 - ☒ 2. $x^{32} - y^{32}$
 - ☒ 3. $x^{64} - y^{64}$
 - ☒ 4. $x^{128} - y^{128}$

Q.21 The pie chart below shows the distribution of female employees working in a company in five different districts (A, B, C, D and E).

Total number of female employees in five districts = 136000



What is the total number of female employees working in a company in district C and district D?

- Ans
- ☒ 1. 61000
 - ☒ 2. 62290
 - ☒ 3. 62000
 - ☒ 4. 61200

Q.22 The difference between the total surface area and lateral surface area of a cube, if side of the cube is 11 cm (in square cm), is

- Ans
- ☒ 1. 242
 - ☒ 2. 244
 - ☒ 3. 241
 - ☒ 4. 243

Q.23 Four distinct positive numbers, 'a', 'b', 'c' and 'd', in the order given, are in proportion. 'b' is 35 more than 'a' and 'd' is 60 more than 'c'. The product of 'a' and 'c' is 5376. What is the sum of 'a', 'b', 'c' and 'd'?

- Ans
- ☒ 1. 397
 - ☒ 2. 399
 - ☒ 3. 398
 - ☒ 4. 400

Q.24 The marks (out of 150) of five students in different subjects are given in the following table.

Subject/Student	Hindi	English	Physics	Chemistry	Mathematics
Ravi	135	140	132	121	141
Deepak	120	135	139	112	136
Sarita	110	126	120	97	130
Kamal	130	125	98	102	120
Divya	136	130	101	100	115

The percentage of marks scored by Ravi in Mathematics is:

- Ans
- ☒ 1. 92
 - ☒ 2. 94
 - ☒ 3. 91
 - ☒ 4. 97

Q.25 If $\cos 2\theta = 0$, where θ is an acute angle, then find the value of $\sin (75^\circ - \theta)$.

- Ans
- ☒ 1. $\frac{1}{2}$
 - ☒ 2. $\sqrt{2} + 1$
 - ☒ 3. $\sqrt{2} - 1$
 - ☒ 4. $\frac{1}{\sqrt{2}}$

Section : English Language

Q.1 Select the most appropriate synonym of the given word.

Intelligible

- Ans
- ☒ 1. Dispensable
 - ☒ 2. Responsible
 - ☒ 3. Impossible
 - ☒ 4. Comprehensible

Q.2 Select the most appropriate meaning of the following idiom.

At sixes and sevens

- Ans
- ☒ 1. Heavy rains
 - ☒ 2. Having dispute
 - ☒ 3. In disorder
 - ☒ 4. In happy mood

Q.3 A word in the following sentence is INCORRECTLY spelt. Select that word from the given options.

Fungal diseases in the lungs are often similar to other illnesses such as bacterial or viral pneumoniia

- Ans
- ☒ 1. often
 - ☒ 2. illnesses
 - ☒ 3. pneumoniia
 - ☒ 4. fungal

Q.4 Select the most appropriate option to fill in the blank.
We met a lot of people _____ our stay in Ahmedabad.

- Ans
- ☒ 1. on
 - ☒ 2. in
 - ☒ 3. while
 - ☒ 4. during

Q5 Select the option that can be used as a one-word substitute for the given group of words.

The arrangement of events or dates in the order of their occurrence.

- Ans
- ☐ 1. Plutocracy
 - ☐ 2. Topography
 - ☐ 3. Allegory
 - ☒ 4. Chronology

Q6 Parts of the following sentence have been given as options. Select the option that contains an error.

Generally, a cycle has an seat and handle along with two pedals and a bell, sometimes a carrier too.

- Ans
- ☐ 1. with two pedals and
 - ☐ 2. seat and handle along
 - ☒ 3. Generally, a cycle has an
 - ☐ 4. a bell, sometimes a carrier too.

Q7 Select the correct option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The train left before I reached the station.

- Ans
- ☐ 1. left before I have reached
 - ☒ 2. had left before I reached
 - ☐ 3. No substitution
 - ☐ 4. left before I had reached

Q8 Select the option that expresses the given sentence in active voice. The question is being answered by Sherry.

- Ans
- ☐ 1. Sherry answered the question.
 - ☐ 2. The question was answered by Sherry.
 - ☐ 3. The question was being answered by Sherry.
 - ☒ 4. Sherry is answering the question.

Q9 Select the option that correctly expresses the given sentence in direct speech.

The coach asked us when we were planning to begin practice.

- Ans
- ☐ 1. "When do you plan to begin practice?", the coach asked us.
 - ☐ 2. "When did you planning to begin practice?", the coach asked us.
 - ☒ 3. "When are you planning to begin practice?", the coach asked us.
 - ☐ 4. "When will you to begin practice?", the coach asked us.

Q.10 Select the most appropriate word opposite in meaning (ANTONYM) to the underlined word in the given sentence.

Human life is transient.

- Ans
- ☐ 1. thrifty
 - ☐ 2. timid
 - ☒ 3. permanent
 - ☐ 4. tranquil

Q.11 Select the most appropriate synonym of the given word. Loathe

- Ans
- ☐ 1. Love
 - ☐ 2. Esteem
 - ☐ 3. Dissipate
 - ☒ 4. Hate

Q.12 Select the option that expresses the given sentence in passive voice.
Lift the veil!

- Ans
- ✓ 1. Let the veil be lifted!
 - ✗ 2. Please let the veil be lifted now!
 - ✗ 3. Let the veil had been lifted!
 - ✗ 4. Let the veil have been lifted!

Q.13 A word in the following sentence is **INCORRECTLY** spelt. Select that word from the given options.

It's better to think about what you are doing right now—without worrying about the unknown.

- Ans
- ✓ 1. worrying
 - ✗ 2. without
 - ✗ 3. about
 - ✗ 4. better

Q.14 Select the option that expresses the given sentence in indirect speech.

They said to him, "Do not jump into the pond today."

- Ans
- ✗ 1. They told him from jumping into the pond the same day.
 - ✓ 2. They told him not to jump into the pond that day.
 - ✗ 3. They told him to jump into the pond the previous day.
 - ✗ 4. They told him not jumped into the pond that day.

Q.15 Parts of the following sentence have been given as options. Select the option that contains an error.

She is enough wise not to interfere in their matter, once being insulted publicly by them.

- Ans
- ✗ 1. their matter, once being
 - ✗ 2. not to interfere in
 - ✗ 3. insulted publicly by them.
 - ✓ 4. She is enough wise

Comprehension:

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.

SubQuestion No : 16

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

- Ans
- ✗ 1. whether
 - ✗ 2. if
 - ✓ 3. that
 - ✗ 4. where

Comprehension:

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.

SubQuestion No : 17

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

- Ans
- ☐ 1. to have disappeared
 - ☐ 2. being disappeared
 - ☐ 3. to be disappeared
 - ☒ 4. to disappear

Comprehension:

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.

SubQuestion No : 18

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

- Ans
- ☐ 1. after
 - ☐ 2. since
 - ☐ 3. by the time
 - ☒ 4. until

Comprehension:

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.

SubQuestion No : 19

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

- Ans ☒ 1. slowly
☐ 2. reluctantly
☐ 3. accidentally
☐ 4. passionately

Comprehension:

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.

SubQuestion No : 20

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

- Ans ☒ 1. just as
☐ 2. alike
☐ 3. by the way
☐ 4. the same

Comprehension:

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.

SubQuestion No : 21

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

- Ans ☐ 1. The Constitutional Principles in India
☐ 2. The Role of the Supreme Court
☐ 3. The Preamble of India
☒ 4. The Debate over Judicial Activism

Comprehension:

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.

SubQuestion No : 22

Q.22 Identify the central theme of the passage.

- Ans
- ☐ 1. The evolution of governance in India
 - ☒ 2. The role and impact of judicial activism in India
 - ☐ 3. Division of power into executive, legislature and judiciary
 - ☐ 4. The constitutional rights of judiciary in India

Comprehension:

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.

SubQuestion No : 23

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

- Ans
- ☐ 1. It is solely responsible for legislative actions.
 - ☒ 2. It has expanded the scope of constitutional principles.
 - ☐ 3. It has no authority to check the executive branch.
 - ☐ 4. It has a limited role in interpreting laws.

Comprehension:

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.

SubQuestion No : 24

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

- Ans
- ☒ 1. Prompt
 - ☒ 2. Provident
 - ☒ 3. Accomplish
 - ☒ 4. Careless

Comprehension:

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.

SubQuestion No : 25

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

- Ans
- ☒ 1. It encroaches on the domains of other branches.
 - ☒ 2. It is necessary for safeguarding democracy.
 - ☒ 3. It has no impact on constitutional values.
 - ☒ 4. It ensures a balanced exercise of power.