Date: 29 Jul 2025   (Shift-2)

PART-A (General Intelligence)

Q1. Mirror is to Vanity as Microscope is to _____

A. Curiosity   B. Research   C. Detail   D. Vision

Wrong Question Marked by SSC

Q2. What comes next in the series - 6 : 222 :: 5 : ?

A. 115   B. 150   C. 130   D. 135

Correct Ans: C

Q3. Instruction: Identify the pattern followed in the first pair and choose the option that completes the analogy. **ACE : BDF :: GIK : ?**

A. HJL   B. HJM   C. HJK   D. HIL

Correct Ans: A

Q4. Which of these is different? $*$, %, @, π

A. $*$ B. %   C. @   D. π

Correct Ans: D

Q5. What follows: AZ, BY, CX, ?

A. DU   B. DV   C. DW   D. DZ

Correct Ans: C

Q6. Direction: In each of the following questions, four words have been given, out of which three are alike in some manner and the fourth one is different. Choose out the odd one.

A. Guitar   B. Violin   C. Flute   D. Piano

Correct Ans: C

Q7. You are the team leader and your teammate misses a deadline due to personal reasons. What do you do?

A. Remove them immediately   B. Show empathy and find solutions

C. Blame them in front of others   D. Pretend nothing happened

Correct Ans: B

Q8. Which word is not possible using the letters of **INTERPRETATION?**

A. Painter   B. Pattern   C. Retain   D. Parrot

Wrong Question Marked by SSC

Q9. If **APPLE** is written as **ZOOKD,** how is **MANGO** written?

A. LZMFN   B. NZMTL   C. NZMGM   D. NZMGN

Correct Ans: A

Q10. If **FLOWER = GMPXFS,** then what is **GARDEN?**

A. HBTDFO   B. HBSEFO   C. HBSDGO   D. HBSDFN

Correct Ans: B

Q11. If $9 \triangle 2 = 7$ and $6 \triangle 3 = 3$, what is $5 \triangle 1$?

A. 4   B. 3   C. 5   D. 6

Correct Ans: A

Q12. If $2 \odot 3 = 13$ and $4 \odot 5 = 41$, what is $3 \odot 2$?

A. 80   B. 90   C. 100   D. 110

Wrong Question Marked by SSC

Q13. If $2 @ 3 = 13$ and $4 @ 5 = 41$, what is $8 @ 4$?

A. 80   B. 60   C. 70   D. 50

Correct Ans: A

Q14. If $A * B = A + B + AB$, then what is $3 * 2$?

A. 11   B. 12   C. 10   D. 13

Correct Ans: A

Q15. What will come next in the series? 2, 6, 12, 20, 30, ?

A. 40   B. 42   C. 44   D. 46

Correct Ans: B

Q16. What will come at the place of question mark to complete the pattern?
13 : 182:: 17 : ?

A. 291   B. 306   C. 531   D. 389

Correct Ans: B

Q17. In a code, FLOW = GMRX, then WIND = ?

A. XJME   B. XJOE   C. UXIE   D. XJMF

Wrong Question Marked by SSC

Q18. Statement: Governments should fund space programs.
Which weakens this argument?

A. Space tech can improve GPS B. There are urgent issues like poverty and healthcare

C. Space inspires youth D. Private companies are interested

Correct Ans: B

Q19. Which number does not belong to the group?

A. 64 B. 27 C. 125 D. 150

Correct Ans: D

Q20. Which of these completes the semantic series?

Hand, Finger, Toe, ___?

A. Elbow B. Leg C. Foot D. Knee

Correct Ans: C

Q21. Choose the next term in the following sequence.

Rose, Lily, Jasmine, Tulip?

A. Rafflesia B. Lotus C. Marigold D. Hibiscus

Wrong Question Marked by SSC

Q22. Which word does NOT fit the group?

A. Democracy B. Autocracy C. Bureaucracy D. Theocracy

Correct Ans: C

Q23. Read the following statement carefully and identify the course of action that follows.

Statement: Students are found wasting too much time on mobile phones.
Course of Action:
I. Ban mobile phones in schools and colleges.
II. Conduct awareness programs on time management.

A. Only I follows B. Only II follows C. Both I and II follow D. Neither I nor II follows

Correct Ans: B

Q24. A student who notices that their classmate is upset and offers support is showing which component of emotional intelligence?

A. Logical reasoning B. Self-awareness C. Empathy D. Verbal communication

Correct Ans: C

Q25. A person who gets angry easily and often reacts without thinking lacks which key emotional intelligence skill?

A. Motivation B. Emotional regulation C. Problem-solving D. Verbal fluency

Correct Ans: B

PART-B (General Awareness)

Q26. Whose death led to creation of the first linguistic state of India, Andhra Pradesh?

A. Potti Sriramulu   **B.** Pingali Venkayya   **C.** R.K. Shanmugam Chetty   **D.** Jagjivan Ram   **Correct Ans: A**

Q27. What is the term used for the process of water evaporation through plant leaves?

A. Respiration   **B.** Transpiration   **C.** Photosynthesis   **D.** Fermentation

Wrong Question Marked by SSC

Q28. Which of the following statements is **correct** with respect to dimensional analysis?

A. An equation that is dimensionally consistent is always physically correct.

B. Dimensional analysis can verify both the magnitude and the physical validity of an equation

Correct Ans: C

C. Trigonometric and logarithmic functions are valid only when applied to quantities that are dimensionless

D. Refractive index has dimensions because it involves the speed of light

Q29. Which of the following best explains the Law of Diminishing Marginal Utility?

A. Utility increases at an increasing rate   **B.** Total utility decreases with more consumption

C. Marginal utility declines with each additional unit consumed   **Correct Ans: C**

D. Marginal Utililty increases with Total Utility

Q30. Consider the following two statements about types of economies:
Statement I: In a centrally planned economy, the government takes all major decisions regarding production, exchange, and consumption of goods and services.
Statement II: In a market economy, economic activities are restricted to physical marketplaces where buyers and sellers must interact face-to-face.
Which of the above statements is/are **correct**?

A. Only Statement I is correct   **B.** Only Statement II is correct   **C.** Both statements are correct

Correct Ans: A

D. Neither statement is correct

Q31. In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R).
Select the correct option from the following:
Assertion (A): The Chalcolithic people in India did not benefit much from the technological knowledge of the Indus Valley Civilization.
Reason (R): Chalcolithic cultures were generally younger and more isolated than the Indus people.

A. Both A and R are true, but R is the correct explanation of A

B. Both A and R are true, but R is not the correct explanation of A   **C.** A is true, but R is false   **Correct Ans: A**

D. A is false, but R is true

Q32. Which of the following statements are true regarding Chalcolithic burial practices in India?
1. In Maharashtra, burials were in a north-south orientation.
2. In South India, burials were in an east-west orientation.
3. Post-cremation burials were common in West Bengal.
4. All burials in Chalcolithic India were uniform.

A. 1, 2, and 3 only   **B.** 2 and 4 only   **C.** 1 and 3 only   **D.** 1, 2, 3 and 4 all are correct   **Correct Ans: D**

Q33. Instructions: For each question, read the Assertion (A) and Reason (R) carefully. Choose the correct option:
Assertion (A): IMEC is expected to reduce logistics costs and transport time significantly across the India-Middle East-Europe trade corridor.
Reason (R): IMEC integrates railways, roadways, energy pipelines, and undersea cables to boost connectivity.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, but R is not the correct explanation of A.   **C.** A is true, but R is false.   **Correct Ans: A**

D. A is false, but R is true.

Q34. Instructions: For each of the following questions, read the Assertion (A) and the Reason (R) carefully. Choose the correct option from the following:
Assertion (A): IMEC is expected to reduce logistics costs by up to 30% and transportation time by 40%.
Reason (R): IMEC integrates digital infrastructure, clean energy pipelines, and rail-road connectivity to optimize trade routes.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, but R is not the correct explanation of A.   **C.** A is true, but R is false.   **Correct Ans: A**

D. A is false, but R is true.

Q35. What was the total number of medals India secured at the Asian Games 2023 in Hangzhou?

A. 111   **B.** 107   **C.** 70   **D.** 98   **Correct Ans: B**

Q36. Identify the correct option from given statements:
Assertion (A): The 37th National Games in Goa saw participation from all Indian States and Union Territories.
Reason (R): Over 10,000 sportspersons, coaches, and officials participated in this edition of the Games.

A. Both A and R are true, and R is the correct explanation of A.

B. Both A and R are true, but R is not the correct explanation of A.   **C.** A is true, but R is false.   **Correct Ans: B**

D. A is false, but R is true.

Q37. Which of the following powers did Jammu and Kashmir have under Article 370?

A. Its own Constitution   **B.** Separate flag

C. Decision-making in all matters except defence, foreign affairs, and communications   **Correct Ans: D**

D. All of the above

Q38. Where is the BIMSTEC Secretariat located?

A. New Delhi, India   **B.** Dhaka, Bangladesh   **C.** Bangkok, Thailand   **D.** Colombo, Sri Lanka   **Correct Ans: B**

Q39. Which social factor is considered in the Happiness Index?

A. Currency value   **B.** Trust in relationships   **C.** Living Standard   **D.** Tax collection rate   **Correct Ans: B**

Q40. Which organization supports meal distribution under the scheme in some areas?

A. UNICEF   **B.** Akshaya Patra Foundation   **C.** WHO   **D.** NITI Aayog

Wrong Question Marked by SSC

Q41. Which harvest festival is celebrated in Punjab during January?

A. Pongal   **B.** Bihu   **C.** Makar Sankranti   **D.** Lohri

Wrong Question Marked by SSC

Q42. Train to Pakistan, a novel set during the Partition of India, was authored by:

A. Vikram Seth   **B.** Amrita Pritam   **C.** Khushwant Singh   **D.** Anita Desai   **Correct Ans: C**

Q43. Which architectural style is the Brihadeeswarar Temple in Tamil Nadu known for?

A. Vesara   **B.** Dravidian   **C.** Nagara   **D.** Indo-Saracenic   **Correct Ans: B**

Q44. Which of the following celestial bodies is classified as a dwarf planet?

A. Jupiter   **B.** Earth   **C.** Pluto   **D.** Venus   **Correct Ans: C**

Q45. What is the primary goal of a bilateral trade agreement?

A. Increase trade barriers   **B.** Promote free trade between two countries

Correct Ans: B

C. Reduce foreign investment   **D.** Nationalize industries

Q46. Which taxation system is commonly used for income tax in most countries?

A. Regressive taxation   **B.** Progressive taxation   **C.** Proportional taxation   **D.** No taxation system   **Correct Ans: B**

Q47. Which among the following Indian states has low population density?

A. Rajasthan   B. Kerala   C. Bihar   D. Punjab

Correct Ans: A

Q48. Which Indian port handles the highest volume of crude oil imports?

A. Kandla Port   B. Mumbai Port   C. Paradip Port   D. Visakhapatnam Port

Correct Ans: C

Q49. In which year did the Indian Constitution come into effect?

A. 1947   B. 1950   C. 1949   D. 1952

Correct Ans: B

Q50. Which of the following statements about federalism in India is true?

A. States have the right to secede from the Union   B. There is rigid division of powers

Correct Ans: C

C. The Union has overriding authority   D. States are sovereign entities

PART-C (Quantitative Aptitude (Basic Arithmetic Skill))

Q51. The lengths of the diagonals of a rhombus compare as 3 times some value to 4 times that same value. If the area of the rhombus is 216 cm², what are the actual lengths of the two diagonals?

A. 18 cm and 24 cm   B. 27 cm and 36 cm   C. 30 cm and 40 cm   D. 24 cm and 32 cm

Correct Ans: A

Q52. Two right prisms have the same height, but their bases are triangles with areas in the ratio 3:5. What is the ratio of their volumes?

A. 3:5   B. 5:3   C. 9:25   D. 9:15

Correct Ans: A

Q53. A right circular cylinder has height 20 cm and curved surface area 880 cm². What is its volume? (use π=22/7)

A. 1077 cm³   B. 3080 cm³   C. 3140 cm³   D. 3200 cm³

Correct Ans: B

Q54. Find the value of: $(\sqrt{625} - \sqrt{81}) \times (\sqrt{49} + \sqrt{121})$

A. 288   B. 275   C. 270   D. 280

Correct Ans: A

Q55. Let $a = 2^4 \cdot 3^2 \cdot 5$ and $b = 2^2 \cdot 3 \cdot 7^3$. Which of the following is **true**?

A. $L.C.M(a,b) = 2^4 \cdot 3^2 \cdot 5 \cdot 7^3$ B. $G.C.D(a,b) = 2^2 \cdot 3 \cdot 5$

Correct Ans: A

C. $L.C.M(a,b) \times GCD(a,b) = a+b$ D. $L.C.M(a,b) = G.C.D(a,b)$

Q56. An online seller purchases a laptop at ₹40,000. He lists it at a 25% markup. Due to a festive sale, he gives a flat 10% discount on the listed price and offers free shipping costing him ₹500. What is the net profit or loss percentage?

A. 15.11%   B. 11.11%   C. 51.17%   D. 91.11%

Correct Ans: B

Q57. A and B together can complete a piece of work in 10 days. B alone can complete it in 15 days. In how many days can A alone complete the work?

A. 20 days   B. 25 days   C. 30 days   D. 35 days   Correct Ans: C

Q58. If $sec\theta + tan\theta = p$, what is the value of $sec\theta$ in terms of p?

A. $(p^2 + 1)/2p$ B. $(p^2-1)/2p$ C. $(p^2-1)/2$ D. $(p^2 + 1)/2$ Correct Ans: A

Q59. If $a + b + c = 0$, then $a^3 + b^3 + c^3$ is equal to:

A. $a^2 + b^2 + c^2$ B. $3abc$ C. abc D. 0 Correct Ans: B

Q60. The difference between the compound interest and simple interest on ₹10,000 for 2 years at 5% per annum is:

A. ₹20   B. ₹25   C. ₹30   D. ₹50   Correct Ans: B

Q61. If ₹12,000 is deposited in a simple interest account that yields 10% annually, what will be the interest earned after two and a half years?

A. ₹2,800   B. ₹3,000   C. ₹3,200   D. ₹3,500   Correct Ans: B

Q62. A trader sells two items. On the first item, he makes a profit of 15%, and on the second item, he incurs a loss of 10%. If the selling price of both items is the same (₹3450 each), what is his overall profit or loss percentage on the entire transaction?

A. 1.25% profit   B. 0.98% profit   C. 0.98% loss   D. No overall profit or loss   Correct Ans: B

Q63. Consider two points on the ground, at distances a and b from the base of a tower(a>b) from the foot of the tower and in the same straight line with it are $30°$ and $60°$ respectively. The height of the tower is:

A. $\sqrt{ab}$ B. $\frac{\sqrt{a}}{b}$ C. $\frac{\sqrt{b}}{a}$ D. $\frac{a}{b}$

Wrong Question Marked by SSC

Q64. The square root of $7 + 4\sqrt{3}$ is:

A. $2 + \sqrt{3}$ B. $2 - \sqrt{3}$ C. $\sqrt{7} + 2\sqrt{3}$ D. $\sqrt{7} - 2\sqrt{3}$ Correct Ans: A

Q65. A is twice as efficient as B. Together they finish a work in 12 days. How long would B take alone?

A. 38   B. 36   C. 34   D. 32   Correct Ans: B

Q66. A train moving at a speed of 126 km/h crosses a bridge of length 250 meters in 50 seconds. What is the length of the train?

A. 1200 meters   B. 1550 meters   C. 1400 meters   D. 1500 meters   Correct Ans: D

Q67. The radii of two concentric circles with centre 'O' is **12** cm and **18** cm, respectively. AB is a chord on the larger circle that is tangent to the smaller circle making contact at point 'C'. If AD is a diameter of the larger circle, then find the length of CD.

A. √844 cm   B. √756 cm   C. √972 cm   D. √1008 cm

Wrong Question Marked by SSC

Q68. The distance between the centres of the two circles is **73** cm, and the radii of the circles are **29** cm and **19** cm. Find the length of the transverse common tangent drawn to the two circles.

A. 65 cm   B. 55 cm   C. 45 cm   D. 25 cm

Correct Ans: B

Q69. If 13A = 12B and 14B = 15C, then find A:C.

A. 80:81   B. 90:91   C. 70:71   D. 91:90

Correct Ans: B

Q70. Find the average of -80, -20, 30, 40, and 50.

A. 4   B. 5   C. 6   D. 7

Correct Ans: A

Q71. If the average of 16, 28, 30, x, and 34 is 30, then the value of x is:

A. 52   B. 34   C. 32   D. 42

Correct Ans: D

Q72. If a student scores 168 marks out of 350, what is their percentage score?

A. 48 %   B. 49 %   C. 44 %   D. 47 %

Correct Ans: A

Q73. A field roller is in the shape of a cylinder whose diameter is 2.5 metres and length is 5.6 metres.

If the roller rolls at a speed of 15 revolutions per minute, then find the maximum area (in m^2) that it can roll in 45 minutes.

A. 25,600 m^2 B. 21,200 m^2 C. 29,700 m^2 D. 20,800 m^2

Correct Ans: C

Q74. Converting the decimal number 241 to the binary number system we get:

A. 11110000   B. 11110001   C. 10110001   D. 11010001

Correct Ans: B

Q75. Which of the following relationship between the sets of integers, rational numbers, and real numbers holds good?

A. $Q \subseteq Z \subseteq R$ B. $R \subseteq Q \subseteq Z$ C. $Z \subseteq R \subseteq Q$ D. $Z \subseteq Q \subseteq R$

Correct Ans: D

PART-D (English Language (Basic Knowledge))

Q76. Find the synonym of **'Hamstrung'**.

A. Cripple   B. Talkative   C. Jolly   D. Restless

Correct Ans: A

Q77. The owl perched on the tree at ___.

A. knight   B. night   C. nite   D. knit

Correct Ans: B

Q78. Which is the correct spelling of a scientific process?

A. Photosynthesis   B. Metabollism   C. Respiretory   D. Circlation

Correct Ans: A

Q79. Select the correct spelling of a word meaning 'an exact copy'.

A. Facsimile   B. Faxsimilie   C. Facksimile   D. Faccsimile

Correct Ans: A

Q80. Choose the correct meaning of the idiom:
  'By fits and starts'

A. With breaks   B. Quickly   C. Smoothly   D. Forever

Correct Ans: A

Q81. Choose the correct meaning of the idiom:
  "Leave one in the lurch"

A. To support someone in need   B. To abandon someone at a difficult time

C. To give someone a surprise gift   D. To take credit for someone's work

Correct Ans: B

Q82. Find the part of the sentence that contains an error:
  The manager who was on leave last week (1)/ forgot bringing the files (2)/ that were required for the monthly review (3)/ despite being reminded thrice. (4)

A. The manager who was on leave last week (1)   B. forgot bringing the files (2)

C. that were required for the monthly review (3)   D. despite being reminded thrice (4)

Correct Ans: B

Q83. Choose the most suitable option to replace the underlined part of the sentence. If the sentence is already correct, select 'No substitution required'.
  The minister, along with his aides, **are visiting** the flood-affected areas.

A. is visiting   B. are visited   C. were visiting   D. No substitution required

Correct Ans: A

Q84. Change the following from active to passive:
  He has written a novel inspired by his time spent in rural India.

A. A novel inspired by his time spent in rural India had been written by him.

B. A novel inspired by his time spent in rural India is written by him.

C. A novel inspired by his time spent in rural India has been written by him.

D. A novel inspired by his time spent in rural India was written by him.

Correct Ans: C

Q85. Change the following from active to passive:
They will have finalized the agenda by tomorrow morning.

A. The agenda had been finalized by them.   **B.** The agenda was finalized by them.

C. The agenda will have been finalized by tomorrow morning.   **Correct Ans: C**

D. The agenda will be finalized tomorrow.

Q86. Arrange the parts to form a correct sentence:
P: Rahul
Q: completed
R: in time
S: his assignment

A. SRPQ   **B.** SRQP   **C.** PQSR   **D.** SQPR   **Correct Ans: C**

Q87. A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.
He said to me, "Please wait here till I come back."

A. He requested me to wait there till he came back.   **B.** He told me to please wait there.

Correct Ans: A

C. He asked that I waited till he comes back.   **D.** He asked I should wait until he comes.

Q88. A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.
My friend said, "I can help you with your project."

A. My friend said that he could help me with my project.   **B.** My friend said that he can help me.

Correct Ans: A

C. My friend said he would help in project.   **D.** My friend said that he may help with project.

Q89. A sentence is provided in indirect speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding direct speech.
My sister said that she was going to the market.

A. My sister said, "I am going to the market."   **B.** My sister said, "She is going to the market."

Correct Ans: A

C. My sister said, "She was going to the market."   **D.** My sister said, "I go to the market."

Q90. A sentence is provided in indirect speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding direct speech.
She requested me to help her with the form.

A. She said, "Please help me with the form."   **B.** She asked, "Can she help me fill this form?"

Correct Ans: A

C. She told me, "Help with the form."   **D.** She asked, "Could you fill in the form?"

Q91. Arrange the parts to form a correct sentence:
P: the students
Q: who excelled in academics
R: were awarded
S: during the ceremony

A. SPRQ   B. PQSR   C. RSQP   D. PQRS   **Correct Ans: D**

Q92. Transform the following sentence into active voice.

The letter is expected to be delivered by the bearer within the stipulated time.

A. They expect the bearer to deliver the letter within the stipulated time.

B. They expect the letter to deliver the bearer within the stipulated time.

Correct Ans: A

C. They expect the bearer to deliver the stipulated time within the the letter.

D. They expect the bearer to delivered the letter within the stipulated time.

Q93. Transform the following sentence into active voice.

The roads and bridges that connect many important cities in India have been renovated or rebuilt with great alacrity.

A. They have renovated or rebuilt the roads and bridges with great alacrity that connect many

B. They have renovated or rebuilt the roads and bridges that connect many important cities with great alacrity in India.

Correct Ans: C

C. They have renovated or rebuilt the roads and bridges that connect many important cities in India with great alacrity.

D. They have renovated or rebuilt the roads and bridges that with great alacrity connect many important cities in India.

Q94. Arrange the parts to form a correct sentence:
(1) He took a deep breath.
(2) He stepped onto the stage.
(3) The spotlight hit him.
(4) The applause grew louder.

A. 1-2-3-4   B. 2-1-3-4   C. 3-2-1-4   D. 2-3-1-4   **Correct Ans: A**

Q95. Arrange the parts to form a correct sentence:
(1) The chef tasted the soup.
(2) He added a pinch of salt.
(3) He stirred it slowly.
(4) He smiled, satisfied.

A. 1-2-3-4   B. 3-2-1-4   C. 4-1-3-2   D. 1-3-4-2   **Correct Ans: A**

Q96. Arrange the parts to form a correct sentence:
   (1) The project was ambitious.
   (2) It required coordination across five teams.
   (3) Regular meetings were held.
   (4) Ultimately, everyone contributed effectively.

A. 1-2-3-4   B. 2-1-3-4   C. 4-2-3-1   D. 1-2-4-3   Correct Ans: A

Q97. Fill in the blank with an appropriate phrasal verb.

The elder child takes _____ his father. They look like siblings.

A. up   B. in   C. after   D. before   Correct Ans: C

Q98. Identify the error in the sentence.

We was discussing the project when the lights went out.

A. project   B. lights   C. discussing   D. was   Correct Ans: D

Q99. Choose the correct one word substitution for: someone who believes their own culture is superior to others.

A. Ethnocentric   B. Polymathic   C. Cosmopolitan   D. Esoteric   Correct Ans: A

Q100. Rearrange the parts of the sentence in the correct order.

The subject
P. causing erratic behaviour
Q. under prolonged stress
R. displayed compulsive traits
S. and emotional imbalance

A. QPRS   B. SQRP   C. RQPS   D. PSQR   Correct Ans: C