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SSC GD Constable Exam. Practice Set

Answer with Explanation

PART - A

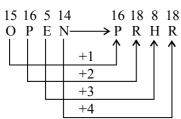
GI and Reasoning

- 1. (c) Here animal-behaviour relationship has been shown. Fox is characterised by its cunningness. Similarly, rabbit is considered as timid.
- (d) Sunderlal Bahuguna was the founder of Chipko Movement. Similarly, Medha Patkar leads the Narmada Bachao Andolan
- 3. (b) 7 + 5 = 12; 12 + 10 = 22; 22 + 15 = 37 Similarly,

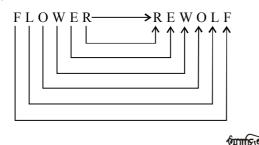
$$3 + 5 = 8$$
; $8 + 10 = 18$; $18 + 15 = 33$

- 4. (c) $122 = (11)^2 + 1$ $145 = (12)^2 + 1$ $226 = (15)^2 + 1$ Therefore, $? = (16)^2 + 1 = 257$
- 5. (c) 3 12 15 19 5 4 14 18 23 10 C L O S E \rightarrow D N R W J +1 +2 +3 +4 +5

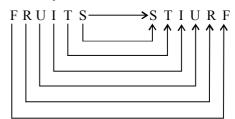
Similarly,



6. (b) The letters have been written in the reverse order.



Similarly,



7. (c) T is a teacher. He is father of R and U.

T is husband of S, who is doctor.

Q is husband of P. P is housewife. One father of T.

Grandson of the family is an engineer.

Grand daughter of the family is a student.

8. (d) C is the mother of A and B.

D is the father of C.

F is the son of A.

A is the father of F.

Therefore, A is the grandfather of F's child.

- 9. (b) Only sister of Kala's brother means Kala herself. Therefore, Mala is daughter of Kala.
- 10. (d) $\times \Rightarrow | \div \Rightarrow + | + \Rightarrow \times |$

Given expression

$$(16 \times 5) \div 5 + 3 = ?$$

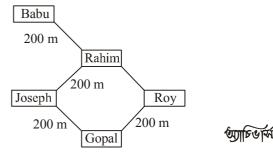
After conversion

$$? = (16 - 5) + 5 \times 3$$

or,
$$? = 11 + 5 \times 3$$

or,
$$? = 11 + 15 = 26$$

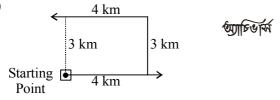
- 11. (b) Except oil, all others are used to join something.
- 12. (a) The second number is onehalf of the first number.
- 13. (d) Except 66, all other numbers are odd.
- 14. (a)





The house of Roy is in South-East direction with respect to the house of Babu.

15. (b)



It is clear from the diagram that Gopi is 3km away from the starting point.

16. (b) According to Hari, his father's birthday may be on 14th or 15th June.

According to Hari's sister, their father's birthday may be on 15th, 16th or 17th June.

Common Date ⇒ 15th June

17. (d) 7 4 3

8 741 383 256 743 9582

0 1 8 746 3

18. (b) All men (without exception) are mortal. And, Ramu is a man.

Therefore, Ramu is mortal.

19. (a) Uma > Suma ... (i)



Neha > Suma ... (ii)

Hema > Sudha > Uma > Neha ...(iii)

From (i), (ii) and (iii)

Hema > Sudha > Uma > Neha > Suma

Hence Hema is tallest.

- 20. (a) Meaningful order of words:
 - (c) Ploughing



(a) Sowing



(e) Watering



(b) Manuring



(d) Harvesting



PART - B

GK and General Awareness

21. (c) The Chalukya dynasty was an Indian royal dynasty that ruled large parts of southern and central India between the 6th and the 12th

- centuries. During this period, they ruled as three related yet individual dynasties: "Badami Chalukyas", ruled from Vatapi (modern Badami) from the middle of the 6th century; Eastern Chalukyas, who ruled from Vengi until about the 11th century; and the Western Chalukyas who ruled from Kalyani until the end of the 12th century.
- 22. (a) Born in Dacca, Pradosh Das Gupta graduated from the Calcutta University in 1932. He took up sculpture in the same year and received his first training in the subject under two distinguished teachers, Mr. H. Roy Choudhary and Mr. D. P. Roy Choudhary at Lucknow and Madras. He had the distinction of being awarded Guru Prasanna Ghose Travelling Scholarship by the Calcutta University.
- 23. (c) The Constitution originally provided for the right to property under Articles 19 and 31. The FortyForth Amendment of 1978 deleted the right to property from the list of fundamental rights. So it is now a legal right, not a fundamental right.
- 24. (a) The Deccan is delineated by the Western Ghats on the west, the Nilgiri Hills on the south, the Eastern Ghats on the east, and the Aravalli and Chhota Nagpur hills on the north. The Chhota Nagpur Plateau is a plateau in eastern India, to the northeast of the Deccan plateau which covers much of Jharkhand state as well as adjacent parts of Orissa, West Bengal, Bihar and Chhattisgarh.
- 25. (d) Gurushikhar holds the honor of being not only the highest peak of Mount Abu but the whole of Aravali mountain range. This peak is the home to the temple of Dattatreya, an incarnation of Lord Vishnu.
- 26. (c) Money market helps in securing short-term loans to meet working capital requirements through the system of finance bills, commercial papers, etc. it plays crucial role in financing both internal as well as international trade.
- 27. (a) It happens because of gravity. A key feature of super maneuvering aircrafts is a high thrust-to-weight ratio; that is, the comparison of the force produced by the engines to the aircraft's weight, which is the force of gravity on the aircraft. A thrust-to-weight ratio greater than 1:1 is a critical threshold, as it allows the aircraft to maintain and even gain velocity in a nose-up attitude; such a climb is based on sheer engine power, without any lift provided by the wings to counter gravity,

- and has become crucial to aerobatic maneuvers in the vertical loop.
- 28. (c) Alizarin or 1,2-dihydroxyanthraquinone (also known as Mordant Red 11 and Turkey Red is an organic compound with formula C₁₄H₈O₄ that has been used throughout history as a prominent red dye, principally for dyeing textile fabrics. Historically it was derived from the roots of plants of the madder genus. In 1869, it became the first natural pigment to be duplicated synthetically. Alizarin is the main ingredient for the manufacture of the madder lake pigments known to painters as Rose madder and Alizarin crimson. Alizarin in the most common usage of the term has a deep red colour, but the term is also part of the name for several related nonred dyes, such as Alizarine Cyanine Green and Alizarine Brilliant Blue. र्थाणिक अंगि
- 29. (b) The femur (pl. femurs or femora), or thigh bone, is the most proximal (closest to the center of the body) bone of the leg in tetrapod vertebrates capable of walking or jumping, such as most land mammals, birds, many reptiles such as lizards, and amphibians such as frogs. In vertebrates with four legs such as dogs and horses, the femur is found only in the rear legs. The femur is the largest bone in the human body. The head of the femur articulates with the acetabulum. By most measures the femur is one of the strongest bones in the body.
- 30. (b) Veterinary medicine is widely practiced, both with and without professional supervision. Professional care is most often led by a veterinary physician (also known as a vet, veterinary surgeon or veterinarian), but also by paraveterinary workers such as veterinary nurses or technicians. This can be augmented by other paraprofessionals with specific specialism such as animal physiotherapy or dentistry, and species relevant roles such as farriers.
- 31. (d) Scorpions are predatory arthropod animals which are easily recognized by the pair of grasping claws and the narrow, segmented tail, often carried in a characteristic forward curve over the back, ending with a venomous stinger. All known scorpion species possess venom and use it primarily to kill or paralyze their prey. This venom is present in their stings.
- 32. (c) Acupuncture is an alternative medicine methodology originating in ancient China that

- treats patients by manipulating thin, solid needles that have been inserted into acupuncture points in the skin. According to Traditional Chinese medicine, stimulating these points can correct imbalances in the flow of qi through channels known as meridians.
- 33. (a) Sodium benzoate has the chemical formula NaC₆H₅CO₂; it is a widely used food preservative, with E number E₂₁₁. It is the sodium salt of benzoic acid and exists in this form when dissolved in water. It can be produced by reacting sodium hydroxide with benzoic acid.
- 34. (c) Biological death occurs when brain cells start to die due to lack of oxygen. Biological death follows clinical death (when a person stops breathing). Without oxygen brain damage can occur within minutes. 4-6 minutes of oxygen deprivation can cause minor brain damage. 6-10 minutes of oxygen deprivation will cause brain damage. After 10 minutes of no oxygen irreversible brain damage occurs.
- 35. (b) Tooth enamel, along with dentin, cementum, and dental pulp is one of the four major tissues that make up the tooth in vertebrates. It is the hardest and most highly mineralized substance in the human body. It has approximately 95% calcium concentration.
- 36. (c) UST, a leading digital transformation solutions company, has been recognized by the 2023 Mahatma Awards for Corporate Social Responsibility (CSR) Excellence in Community Initiatives, for sustainable and impactful contributions to CSR in areas such as education, health, livelihood, environment, and disaster relief.
 - i. The Mahatma Awards serve to highlight individuals and organisations addressing complex global challenges including poverty, hunger, education, climate change, and healthcare accessibility.
 - ii. The Mahatma Award 2023 consolidates UST's profound commitment to community welfare and global impact.
 - iii. UST's impactful CSR initiative, the Adopt-a-School program, has significantly influenced the lives of more than 32,000 students across India and Mexico.
- 37. (a) State Bank of India (SBI) has roped in former Indian Cricketer and former Captain of Indian Men's cricket team Mahendra Singh Dhoni (MS Dhoni) as its official brand ambassador.



i. Under this partnership, Dhoni will play a major role in the marketing and promotional campaigns क्षाण्डि स of SBI.

ii. This partnership of SBI aims to reiterate its commitment to serve the nation and its customers with trust, integrity and dedication.

Note: Other noted brands endorsed by Dhoni include, PepsiCo India's Lay's; Reliance Industries Limited (RIL)'s JioMart; Oreo, India Cements, Dream11, Garuda aerospace, TVS Motors, Reebok, etc.

- 38. (b) YES Bank Limited had acquired additional shares of J.C. Flowers Asset Reconstruction Private Limited ("JC Flowers ARC") to reinstate its equity share capital proportion to 9.9% in accordance with share subscription and purchase agreement.
 - This represents the acquisition of 24,643,558 equity shares of JC Flowers ARC at Rs 29.68
 - i. In September 2022, Yes Bank signed a share subscription and purchase agreement with JCF ARC LLC and JC Flowers ARC along with a shareholders agreement with CF ARC LLC, JC Flowers ARC, and Emso Asset Management.
- 39. (d) The United Nations (UN)'s first-ever International Day of Care and Support was observed across the globe on 29th October 2023 to emphasise the importance of caregiving, recognize the contributions of caregivers, and advocate for policies and initiatives that support and enhance care in all its forms.
 - i. According to ILO, the global care workforce comprises 249 million women and 132 million men.
 - ii. Women perform 76.2% of the total amount of unpaid care work, 3.2 times more time than
- 40. (b) Nobel Peace Laureate, Martti Ahtisaari, who served as the 10th President of Finland (1994 to 2000), passed away at the age of 86 in Helsinki, Finnland.
 - i. In 1994, Finland's Social Democratic Party (SDP) nominated him to run for the presidency and he became Finland's first directly-elected president. He held office from March 1, 1994, to February 29, 2000.
 - In 2008, Martti Ahtisaari was awarded the Nobel Peace Prize for his important efforts, on several continents and over more than three decades, to resolve international conflicts.

• He played a key role in negotiating peace in multiple countries, including Namibia, Kosovo, Indonesia and Northern Ireland.

PART - C

Elementary Mathematics

41. (b) Number = 269×68 $= 269 \times (67 + 1)$ $= 269 \times 67 + 269$



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Clearly, remainder is obtained on dividing 269 by 67 that is 1.

42. (b) By the Binomial expansion we have $(x+1)^n = x^n + c_1 x^{n-1} + c_2 x^{n-2} + ... + c_{n-1} x + 1$ Here, each term except the last term contains x. Obviously, each term except the last term is exactly divisible by x.

Following the same logic,

 $7^{19} = (6 + 1)^{19}$ has each term except last term divisible by 6.

Hence, 719 + 2 when divided by 6 leaves remainder = 1 + 2 = 3

43. (c) The original property with Ram = x (let)

$$\therefore$$
 Wife's share = Rs. $\frac{x}{3}$

Remaining property = $x - \frac{x}{3} = \frac{2x}{3}$

Daughter's share $=\frac{2x}{3} \times \frac{3}{5} = ₹\frac{2x}{5}$

Son's share $=\frac{2x}{3} - \frac{2x}{5} = \frac{10x - 6x}{15} = ₹ \frac{4x}{15}$

$$\therefore \frac{4x}{15} = 6400$$

$$\Rightarrow$$
 4x = 6400 × 15



$$\Rightarrow x = \frac{6400 \times 15}{4} = ₹ 24000$$

44. (d) $4^1 = 4$; $4^2 = 16$; $4^3 = 64$; $4^4 = 256$; $4^5 = 1024$ Remainder on dividing 372 by 4 = 0Remainder on dividing 373 by 4 = 1

:. Required unit digit

= Unit digit of the sum of 6 + 4 = 0

45. (a) Here, 12 - 2 = 10; 16 - 6 = 10; 24 - 14 = 10Now, LCM of 12, 16 and 24 = 48

:. The greatest 4-digit number exactly divisible by 48 = 9984

:. Required number = 9984 - 10 = 9974

46. (d) $1\frac{1}{2}$ hours = 90 minutes



1 hour and 45 minutes = 105 minutes

1 hour = 60 minutes

:. LCM of 30 minutes, 60 minutes, 90 minutes and 105 minutes

 \therefore LCM = $3 \times 5 \times 2 \times 2 \times 3 \times 7 = 1260$ minutes 1260 minutes = 1260/60 = 21 hours

:. The bell will again ring simultaneously after 21 hours.

 \therefore Time will be = 12 noon + 21 hours

47. (b)
$$1 + \frac{4}{2 + \frac{3}{10 - 1}} - \frac{1}{2} \times 5$$

$$= 1 + \frac{4}{2 + \frac{6}{9}} - \frac{5}{2} = 1 + \frac{4}{2 + \frac{2}{3}} - \frac{5}{2}$$

$$= 1 + \frac{4}{8} - \frac{5}{2} = 1 + \frac{4 \times 3}{8} - \frac{5}{2}$$

 $=1+\frac{3}{2}-\frac{5}{2}=\frac{2+3-5}{2}=0$

48. (c)
$$\frac{1+\sqrt{2}}{\sqrt{5}+\sqrt{3}} + \frac{1-\sqrt{2}}{\sqrt{5}-\sqrt{3}}$$

$$= \frac{\left(1+\sqrt{2}\right)\left(\sqrt{5}-\sqrt{3}\right) + \left(1-\sqrt{2}\right)\left(\sqrt{5}+\sqrt{3}\right)}{\left(\sqrt{5}+\sqrt{3}\right)\left(\sqrt{5}-\sqrt{3}\right)}$$

$$= \frac{\sqrt{5}-\sqrt{3}+\sqrt{10}-\sqrt{6}+\sqrt{5}+\sqrt{3}-\sqrt{10}-\sqrt{6}}{\left(\sqrt{5}\right)^2-\left(\sqrt{3}\right)^2}$$
[Using $(a+b)(a-b) = a^2-b^2$]

$$= \frac{2\sqrt{5} - 2\sqrt{6}}{5 - 3} = \frac{2(\sqrt{5} - \sqrt{6})}{2}$$
$$= \sqrt{5} - \sqrt{6}$$

49. (c) Weight of 12th person = x kg (let).

:. Average weight of 12 persons

$$= \left(\frac{11 \times 95 + x}{12}\right) kg$$

According to the question,

$$= \frac{11 \times 95 + x}{12} + 33 = x$$

$$\Rightarrow 1045 + x + 396 = 12x$$

$$\Rightarrow 1441 = 11x$$



$$\Rightarrow x = \frac{1441}{11} = 131 \text{ kg}$$

50. (b)
$$A \times \frac{2}{3} = B \times \frac{4}{5}$$

$$\Rightarrow \frac{A}{B} = \frac{4}{5} \times \frac{3}{2} = 6:5$$

51. (c) Let the numbers be x, y and z. Then x : y = 2 : 3 ; y : z = 5 : 8 \therefore x : y : z = 2 × 5 : 3 × 5 : 3 × 8 = 10 : 15 : 24 Sum of the ratios = 10 + 15 + 24 = 49 \therefore The second number = $\frac{15}{49}$ × 98 = 30

52. (d) Quantity of milk in 45 litres $= \frac{2}{3} \times 45 = 30 \text{ litres}.$

... Water = (45 - 15) = 15 litres Let x litres of water be added.

$$\therefore \frac{30}{15+x} = \frac{1}{2}$$

$$\Rightarrow 15+x=60$$

$$\Rightarrow x=60-15=45 \text{ litres}$$

53. (d) If the third number is 100, then the numbers are $100 + \frac{25}{2} = \frac{225}{2}$ and 125 respectively.

∴ First number as a percentage of the second $= \frac{225}{2 \times 125} \times 100 = 90$

54. (a) Let the original selling price of radio = $\stackrel{?}{=}$ 100

∴ C.P. of radio = ₹ 90

∴ New selling price = ₹ 108

:. Gain per cent = $\frac{18}{90} \times 100 = 20\%$

55. (c) Let C.P. of the article = ₹ 100 ∴ The first selling price = 100 + 15 = ₹ 115 Now, C.P. = 100 - 15 = ₹ 85

Difference in S.P = 115 - 102 = ₹ 13

: If difference is ₹ 13, then C.P. = ₹ 100

∴ If difference is $₹ \frac{78}{10}$ the

$$C.P. = \frac{100}{13} \times \frac{78}{10} = \text{ } 60$$





56. (c) C.P. of article = $\mathbf{\xi}$ 100 and marked price of article = $\mathbf{\xi}$ x (let)

$$\therefore x \times \frac{90}{100} = 117$$



$$\Rightarrow$$
 x = $\frac{117 \times 100}{90}$ = ₹ 130

i.e. 30% above the cost price.

57. (d) Principal + interest for 8 years = ₹ 2900 ... (i) Principal + interest for 10 years

Subtracting equation (i) from (ii)

Interest for 2 years = 100

: Interest for 8 years

$$=\frac{100}{2}\times8=7400$$

From equation (i), Principal

$$\therefore Rate = \frac{S.I \times 100}{Time \times Principal}$$



$$=\frac{400\times100}{8\times2500}=2\%$$

58. (b) Amount = Rs. (30000 + 4347) = Rs. 34347

$$A = P \left(1 + \frac{R}{100} \right)^{T}$$

$$\Rightarrow 34347 = 30000 \left(1 + \frac{7}{100}\right)^{n}$$

$$\Rightarrow \frac{34347}{30000} = \left(\frac{107}{100}\right)^{r}$$

$$\Rightarrow \frac{11449}{10000} = \left(\frac{107}{100}\right)^n$$

$$\Rightarrow \left(\frac{107}{100}\right)^2 = \left(\frac{107}{100}\right)^n$$

 \Rightarrow n = 2 years

59. (b) (A + B)'s 1 hour's work = $\frac{2}{0}$... (i)

$$(B + C)$$
's 1 hour's work $= \frac{1}{3}$... (ii)

$$(C + A)$$
's 1 hour's work = $\frac{4}{9}$... (iii)

Adding all three equations, 2(A + B + C)'s 1 hour's work

$$=\frac{2}{9}+\frac{1}{3}+\frac{4}{9}=\frac{2+3+4}{9}=1$$



- ∴ A, B and C together will complete the work in 2 hours.
- 60. (a) Part of the cistern filled by both pipes in 1 hour

$$=\frac{1}{10}+\frac{1}{15}=\frac{3+2}{30}=\frac{1}{6}$$

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.. The cistern will be filled in 6 hours.

PART - D

English

61. (a) to will replace into because-

to (Prep.) indicates in a direction so as to reach into (Prep.) indicates a position in/inside something

Look at the examples given below:

I'm going with her to Australia.

I went into the yard.

Hence, I went to is the right usage.

62. (a) International News is compared to National News.

Hence, National is the right usage.

63. (b) I shall be obliged to go by the circumstances. (Passive)

The sentence is in Simple Future Tense. (Active)

Circumstances will oblige me to go.

↓ ↓ ↓ ↓ Subject Verb Object

 \rightarrow Active

I Shall be obliged to go by the circumstances.

↓ ↓ ↓ ↓ Subject Verb Object

→ Passive

64. (c) He said to Sita "When do you intend

$$\downarrow \qquad \qquad \downarrow \qquad \downarrow$$
Rep. V. Pro. Verb
(Sita) (S. Pro)

to pay back the money you

↓ ↓ ↓ ↓ Inf. Verb Pro

borrowed from me?" \rightarrow (D.S.)

↓ ↓ ↓ ↓
Verb Prep. Pro.



(S. Past) (He)
He enquired Sita when she intended to pay

 \downarrow \downarrow \downarrow \downarrow \downarrow Rep. V. Pro. Verb Inf. Verb (you) (S. Past)

back the money she had borrowed from \downarrow \downarrow \downarrow \downarrow \downarrow Pro. Verb Prep. Pro (P. Per.) (me) him. \rightarrow (I.S.)

65. (c) are to be ranked is the right usage. The sentence is in Passive Voice

- 66. (b) not _____ either is used after a negative sentence Here, Mexico doesn't either is the right usage.
- 67. (c) methodically (Adverb): done in careful and logical way systematically (Adverb): in a systematic manner; done according to a system or plan in a thorough, efficient or determined way scientifically (Adverb): with respect to science technically (Adverb): with regard to machinery, methods etc.

 symmetrically (Adverb): in a symmetrical manner
- 68. (b) ridiculous (Adjective): very silly or unreasonable; absurd
 absurb (Adjective): completely ridiculous; not logical and sensible
 diligent (Adjective): showing care and effort in your work or duties
 brisk (Adjective): quick; practical and confident complex (Adjective): complicated; difficult to understand

69. (d) hinder (Verb): to make it difficult for somebody

- to do something or something to happen deter (Verb): to make somebody decide not to do something or continue doing something, by making him understand the difficulties and unpleasant results of his actions neglect (Verb): to fail to take care of somebody or something; not to give enough attention to something disapprove (Verb): to think that somebody or something is not good or suitable differ (Verb): to be different from somebody or something
- 70. (d) arranged (Adjective): planned and organised in advance
 disorderly (Adjective): showing lack of control; publicly violent or noisy; untidy; deranged chaotic (Adjective): lack of order; in a state of complete confusion and lack of order organized (Adjective): carefully planned and arranged
 adjusted (Adjective, Verb): to change slightly to make it more suitable; adopted

- 71. (b) advance (Verb): to move forward; to progress or develop impede (Verb): to delay or stop the progress of something; hinder; hamper obstruct (Verb): hinder; to block; to prevent linger (Verb): to continue to exist for longer than expected guarantee (verb): to promise to do something; to promise something will happen
- 72. (b) evident (Adjective): obvious; clear; easily seen latent (Adjective): existing, but not yet very noticeable active or well—developed primitive (Adjective): belonging to a very simple society with no industry, etc; belonging to an early stage in the development of humans/animals; very simple and old-fashioned; crude potent (Adjective): powerful; having a strong effect on your mind or body talented (Adjective): having a natural ability to do something well
- feasible (Adj.): that is possible and likely to be achieved probable (Adj.): likely to happen, to exist or to be true tenable (Adj.): easy to defend against attack/criticism explicable (Adj.): that can be explained/understood
- 74. (c) cannot hold a candle: is not so good asThis hotel can't hold a candle to the palace.The best option is cannot be compared to.
- 75. (d) The misspelt word is accommodation

 The correct spelling is accommodation
- 76. (b) The correctly spelt word is systematically
- 77. (b) SRPO
- 78. (a) am angry
 have a bone to pick with
 somebody: to be angry with somebody about
 something
- 79. (b) Play truant = to stay away from school without permission.
- 80. (b) do a roaring trade: do very good business, to be highly successful.

 Here, highly successful is the right option.

 Look at the sentence:
 - It was a hot sunny day and the ice cream sellers were doing a roaring trade.