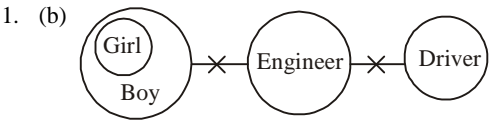# SSC GD CONSTABLE - PRACTICE SET
Answers with Explanation

General Intelligence

1. (b)

2. (d) $H \xrightarrow{+1} I \xrightarrow{+1} J$
   $Q \xrightarrow{+1} R \xrightarrow{+1} S$
   $D \xrightarrow{+1} E \xrightarrow{+1} F$
   But,
   $N \xrightarrow{-1} M \xrightarrow{+3} P$

3. (b) The series is –
   C2X / X2C / C2X / X2C / C2X / X2C

4. (c) 13 + 17 = 30;
   26 + 16 = 42;
   Similarly,
   39 + 15 = 54

5. (a) All the letters of the word are arranged in reverse alphabetical order in the code.

6. (c)

7. (a)

8. (c) $M \xrightarrow{+4} Q$ And, $A \xrightarrow{+4} E$
   $A \xrightarrow{+4} E$ $P \xrightarrow{+4} T$
   $N \xrightarrow{+4} R$ $P \xrightarrow{+4} T$
   $G \xrightarrow{+4} K$ $L \xrightarrow{+4} P$
   $O \xrightarrow{+4} S$ $E \xrightarrow{+4} I$

   Similarly, $G \xrightarrow{+4} K$
   $U \xrightarrow{+4} Y$
   $A \xrightarrow{+4} E$
   $V \xrightarrow{+4} Z$
   $A \xrightarrow{+4} E$

9. (d) 65 – 46 = 19;   82 – 65 = 17
   73 – 54 = 19;   90 – 73 = 17
   40 – 21 = 19;   57 – 40 = 17
   But,
   48 – 39 = 9;   75 – 48 = 27

10. (d)
11. (d)
12. (a) M – P – O – N – R – Q – S
13. (d)
14. (a) 12 + 16 ÷ 8 × 4 – 8 = 24
    After interchanging '–' and '÷' we get,
    12 + 16 – 8 × 4 ÷ 8 = 24
    12 + 16 – 4 = 24
    24 = 24
15. (c) 2 + 5 = 7
    5 + 7 = 12
    7 + 12 = 19
    12 + 19 = 31
    19 + 31 = 50

16. (d)
17. (a)
18. (b)
19. (b)
20. (c)

General Knowledge and General Awareness

1. (c) Dholavira site was discovered by Jagat Pati Joshi in 1968.
   It is located on the bank of the Luni river in Runn of Kutch, Gujarat.
   It is India's 40th world heritage site announced by UNIESCO.
   It has distinguished features of a series of water reservoirs and outer fortification.

2. (a) Wajid Ali Shah was the eleventh and last King of Awadh.
   Lord Dalhousie, Governor General of British India, had deposed him under the pretext of misgovernance in February 1856.
   Wajid Ali Shah's first wife was Alam Ara who was better known as Khas Mahal.
   Begum Hazrat mahal, also known as the Begum of Awadh, was the second wife of Nawab of Awadh Wajid Ali Shah.

3. (b)

Trophy	Sport
Agha Khan Cup	Hockey
B. C. Roy Trophy	Football
Burdwan Trophy	Weightlifting

4. (c) Maharana Pratap Airport is located in the city of Udaipur. It is also called the Dabok Airport because it is located in the sub-urban area of Udaipur called Dabok. It commenced operations in 2008.

5. (a) Dwaram Venkataswamy Naidu used to play the Violin.
   He was probably the first to show that the violin can be used to play Carnatic music as well as other traditional instruments like Veena.
   He is not just another great musician and violinist of the 20th century, but perhaps the one primarily responsible for solo violin performances.
   Naidu used to play the compositions of famous German musicians like Mendelssohn and Johann Sebastian Bach.

6. (d) 'Child with a Dove', also described as 'Child Holding a Dove', 'Child with a Pigneon', 'Girl with a Dove' and 'Girl with a Pigeon', is an oil on canvas painting by the Spanish artist Pablo Picasso, which he created in 1901 at the start of his Blue Period.

7. (b) Puliyattam (means Tiger Dance) is an old folk art dance of Tamil Nadu. A highly exuberant and cultural festival, this dance form usually comprises a troupe of 6 performers aping the movements of the majestic, predatory tigers.

8. (c) The National Calendar is based on the Saka Era with Chaitra being first month. It consists of 365 days in a normal year. It was adopted from 22nd March 1957 along with the Gregorian calendar for the following official purpose : Gazette of India, news broadcast by All India Radio; calendars issued by Government of India; and Government communications addressed to the members of the public.

9. (a) Prime Minster Narendra Modi honoured Anant Khasbarar of Kolhapur and Bhagyashri Sheth of Rajkot, the people behind the logo and tagline of the 'Swachh Bharat' campaign in 2014.

10. (c) Clouded Leopard National Park is located in Tripura.

11. (b) Shanti Swarup Bhatnagar Prize for Science and Technology is announced every year by the Council of Scientific and Industrial Research (CSIR).

12. (c) The pituitary gland or hypophysis is located in one of the bones at the base of the skull. It has two portions viz. anterior hypophysis and posterior hypophysis.

    The anterior part produces two hormones that work directly viz. growth hormone (GH) and prolactin; and four tropic hormones (tropic hormones regulate the other endocrine glands) viz. adrenocorticotropic hormone (ACTH), thyroid-stimulating hormone (TSH), luteinizing hormone (LH) and follicle-stimulating hormone (FSH).

    The posterior part releases two hormones produced in the hypothalamus viz oxytocin and antidiuretic hormone (ADH or vasopressin).

13. (b) The compound Zinc Oxide (ZnO) is called 'Philosopher's Wool'. ZnO is a white powder that is insoluble in water. Zinc Oxide is used as an additive in sun screens, sun lotions, in rubber manufacturing and in photocopying products. Alchemists, as part of their rituals, burn zinc in air and collect the residue, which formed into white woolly tuffs. They called it Lana philosophica in Latin, meaning philosopher's wool.

14. (b) The change in density from the maximum value to the minimum value, again to the maximum value, makes one complete oscillation. The number of oscillations per unit time is the frequency of the sound wave.

15. (d) Calcium is the most abundant metal in the human body. It is also the 5th most abundant metal in the earth's crust.

16 (a) The first semiconductor park in Uttar Pradesh was inaugurated at Noida International Airport. This significant development includes the approval of three companies to establish semiconductor units on 275 acres of land. The project is expected to create approximately 13,780 jobs and will contribute significantly to India's self-reliance in the technology sector, especially in chip manufacturing.

17. (c) Sanjeev Raina, a 1987-batch officer of the Indo-Tibetan Border Police (ITBP), has been appointed as the Additional Director General (ADG) of the force. This appointment is significant as it marks only the second time in ITBP history that a cadre officer has been elevated to the ADG rank, the second highest in the force. He is also credited with establishing the counter-insurgency and jungle warfare school in Uttarakhand.

18. (b) Nitesh Kumar won a historic gold medal in badminton at the Paralympics, competing in the men's singles SL3 category. By defeating Great Britain's Daniel Bethell, Kumar not only showcased his exceptional skill and tactical prowess but also contributed to India's dominance in para-badminton. This achievement follows Pramod Bhagat's significant win in 2016, highlighting a continuing legacy of excellence in the sport.

19. (d) The Supreme Court celebrated its 75th anniversary with the unveiling of a new flag and insignia by President Droupadi Murmu. This milestone marks the institution's contributions to India's judicial system. The President's address highlighted the importance of district courts, the need to address pendency and backlog of cases, and initiatives to provide justice in local languages.

20. (a) Joseph Francis Pereira, a Pakistani Christian, became the first Goan to receive Indian citizenship under the Citizenship (Amendment) Act (CAA) 2019. Pereira moved to Pakistan for studies before Goa's liberation lived in Karachi, and returned to India in 2013 after retirement.

Elementary Mathematics

1. (d) Required number = $\dfrac{\frac{4}{3}\pi(4)^3}{\frac{4}{3}\pi\left(\frac{0.4}{2}\right)^3} = 8000$

2. (b) C alone can empty in 1 min

    $\dfrac{1}{12} + \dfrac{1}{15} - \dfrac{1}{10} = \dfrac{5+4-6}{60} = \dfrac{3}{60} = \dfrac{1}{20}$

    C alone can empty the full tank in 20 minute.

3. (b) Required ratio = $\dfrac{\frac{3}{5}\times 40 + \frac{2}{3}\times 30}{\frac{2}{5}\times 40 + \frac{1}{3}\times 30} = \dfrac{44}{26} = \dfrac{22}{13}$

4. (c) According to the question

    $240 \times 100 - \pi r^2 = 3904$

    $r = \sqrt{\dfrac{20096}{3.14}} = 80$ m

    Perimeter of the lawn = $2\pi r = 2 \times 3.14 \times 80$
    $= 502.4$m

5. (c) According to question

    $\dfrac{3x-9}{5x-9} = \dfrac{12}{23}$

    $\Rightarrow 69x - 207 = 60x - 108$

    $\Rightarrow x = 11$

    Required ratio

    $= \dfrac{3x+3}{5x-7} = \dfrac{36}{48} = \dfrac{3}{4}$

6. (a) According to question.

    $\dfrac{36}{48} = \dfrac{15}{x}$

    $\Rightarrow x = 20$

    $\dfrac{4.2}{y} = \dfrac{9}{13.5}$

7. (b) Be meant for : to be intended or designed for someone or something.

Example : The bigger offices are meant for senior staff only.

8. (c) In the given sentence, the use of the conjunction 'and' is incorrect.

The construction 'not only ... but (also)' is called correlative conjunction. It is used to present two related pieces of information.

Both pieces of information are being presented as surprising or unexpected, with the second one being even more surprising than the first.

9. (b) Halcyon.

10. (c) The correct spelling is 'Analysis'.

11. (d) **Resign** means 'to give up a job or position by telling your employer that you are leaving'

Ex: He resigned from the company in order to take challenging job.

Marked option 'Join' means "joining or being joined".

Ex : A long suspension bridge joins the two islands.

It's clear that 'Resign' and 'Join' are opposite in meaning.

12. (d) The given sentence is talking something about the three soldiers.

The use of the word 'none' in the sentence indicates no person; no one.

Therefore, the most appropriate word to be filled in the blank is 'Except'.

'Except' means not including; other than.

Example : We work every day except Sunday.

13. (b) In order to fill in the blank, we need to select the appropriate conjunction.

Conjunctions are words or groups of words used to connect two or more than two words, phrases, or clauses.

For example, and, but, yet, where etc.

When the purpose of something or someone is depicted, we choose adverb of purpose such as that, so that, in order that, etc.

For example - You must work hard in order that you get a job.

In the given sentence, we can see the speaker is conveying that purpose of exercising regularly is to remain fit.

We will therefore use the conjunction 'so that' to fill in the blank.

The complete sentence will be : I exercise regularly <u>so that</u> I can remain fit.

14. (c) In the given sentence, the use of the adjective 'hopeful' is incorrect.

The adjective 'hopeful' means feeling or inspiring optimism about a future event.

An adjective is a word that describes a noun or pronoun.

To modify the verb 'fixed', the adverb 'hopefully' should be used in place of the adjective 'hopeful'.

An adverb is a word that modifies a verb.

The adverb 'hopefully' means in a hopeful manner.

15. (d) Appear.

16. (b) In the first blank, we need to use a verb for the given sentence which is written in the singular form.

Also, we need to use the present simple sentence because the definition of physical exercise is still in existence hence, the present simple verb is correct.

Let's see the meaning of the word given –

Means – to have in the mind as a purpose or to serve or intend to convey, show or indicate.

Example – Real peace doesn't mean the absence of war. (Here, mean is used because **does** is an auxiliary verb)

17. (b) In the second blank, we need a base form of the verb because an infinitive phrase will be used.

The structure of the infinitive phrase is "to + V_1"

The meaning of the word "Keep" is - have or retain possession of.

Example - He kept the money we found.

18. (c) In the third blank, the correct answer is "and".

In the given sentence the two entities are being talked about i.e. "our body" and "mind" hence, to join these to words we need to use "and" also we usually use 'and' with 'between'.

Example : They are arriving sometime between lunch and dinner.

19. (d) Let's see the meanings of the given words –

Forbids - refuse to allow (something).

Prevents - stop (someone) from doing something.

Forgets - inadvertently neglect to do, bring, or mention something.

Enables - give (someone) the authority or means to do something; make it possible.

20. (b) Let's see the meanings of the given words–

Deteriorates - become progressively worse.

Improves - make or become better.

Worsens - of poorer quality or lower standard; less good or desirable.

Impair - weaken or damage (something, especially a faculty or function).