

PYQs — PREVIOUS YEAR QUESTIONS PORTAL

SSC Selection Post Phase-X — Graduation & Above Level Examination
Compiled Question Paper & Answer Key (All 100 Solved Questions & High-Resolution
Diagrams)

★ EDITION WITH ANSWERS & SOLUTIONS INLINE ★

EXAMINATION INFORMATION & PAPER DETAILS

Examination Name:	SSC Selection Post Phase-X (Graduation & Above Level)
Examination Date & Shift:	2 August 2022 Shift 3 (2:30 PM – 3:30 PM)
Total Questions & Marks:	100 Questions 200 Marks Total
Time Duration:	60 Minutes (1 Hour)
Marking Scheme:	+2.0 Marks for correct response -0.50 Marks for incorrect response
Sections Included:	• Section A: General Intelligence (25 Questions) • Section B: English Language (25 Questions) • Section C: Quantitative Aptitude (25 Questions) • Section D: General Awareness (25 Questions)
Website Portal:	www.pyqs.org.in — Your Trusted Portal for Examination PYQs & Answer Keys
Paper Instructions:	This compiled examination paper starts from Page 2. Review diagrams carefully before choosing options.

Note: This document is digitally verified and prepared by PYQs (pyqs.org.in). You can click on the top or bottom links on any page to visit the PYQs website directly.

SECTION A: GENERAL INTELLIGENCE (25 Questions)**Question 1**

In a code language, 'BRACE' is written as 'GECTD' and 'DORM' is written as 'OTQF'.
How will 'INQUEST' be written in that language?

[X] (A): VUGWSTK

[X] (B): VUGWSPJ

[X] (C): VUGWSTJ

[✓] Correct (D): VUGWSPK

Question 2

Select the option that represents the correct order of the given words as they would appear in an English dictionary. (Note: the given words may or may not be meaningful words).

1. Economist
2. Earlier
3. Ecology
4. Embarrass
5. Emergency

[✓] Correct (A): 2, 3, 1, 4, 5

[X] (B): 2, 3, 1, 5, 4

[X] (C): 2, 1, 3, 4, 5

[X] (D): 2, 1, 3, 5, 4

Question 3

In a certain code language, 'CATHOLIC' is written as '79', 'AUDIENCE' is written as '70',
how will 'ASSEMBLY' be written in that language?

[X] (A): 100

[X] (B): 104

[✓] Correct (C): 109

[X] (D): 108

Question 4

Which two numbers (not the digits of the numbers) and two signs should be interchanged to make the given equation correct?

$$25 \div 12 \times 5 - 36 + 24 = 72$$

[X] (A): 5 and 12; + and -

[X] (B): 36 and 25; $\times$ and +

[X] (C): 24 and 5; + and -

[✓] Correct (D): 5 and 12; $\times$ and -

Question 5

Pointing towards a woman, Allwyn said, "She is the mother of my brother's son's brother's mother's husband." How is that woman related to Allwyn's brother?

☐ (A): Mother

☐ (B): Sister

☒ **Correct (C): Mother's sister**

☐ (D): Mother's mother

Question 6

Which letter-cluster will replace the question mark (?) and complete the given series?
UZVD, SCTG, ?, OIPM, MLNP

☐ (A): QFSJ

☐ (B): PFSJ

☐ (C): PFRJ

☒ **Correct (D): QFRJ**

Question 7

Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (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)

Room heater : Winter

☐ (A): Leaves : Autumn

☐ (B): Heat : Summer

☒ **Correct (C): Raincoat : Monsoon**

☐ (D): Wind : Spring

Question 8

In a certain code language, 'LENGTH' is written as 'MDKGSF' and 'ESCAPE' is written as 'BRDDOZ'. How will 'MARGIN' be written in that language?

☐ (A): QZLMHF

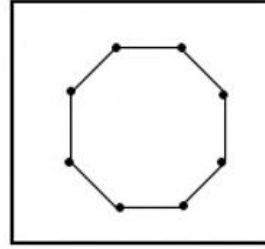
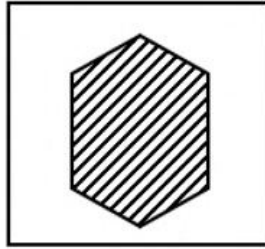
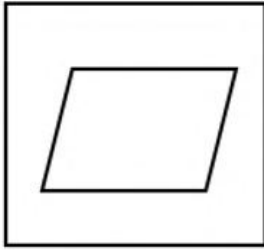
☐ (B): QLZMHF

☒ **Correct (C): QZLFMH**

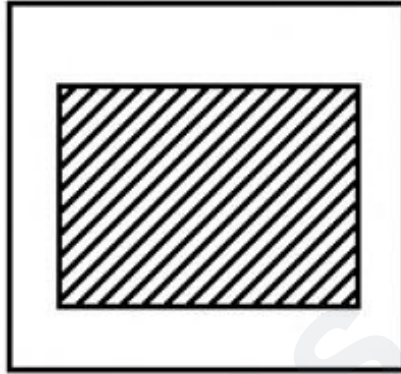
☐ (D): QZLFHM

Question 9

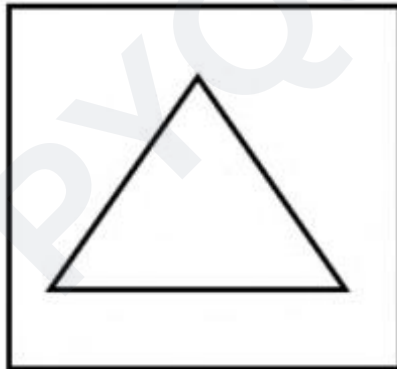
Select the figure that will replace the question mark (?) in the following series.



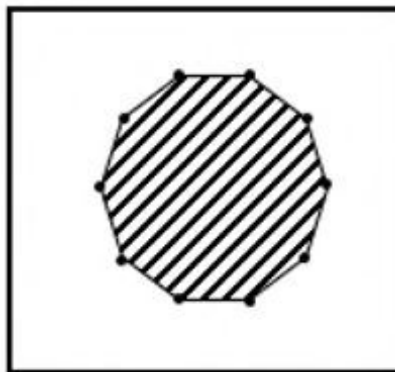
[✓] Correct (A):



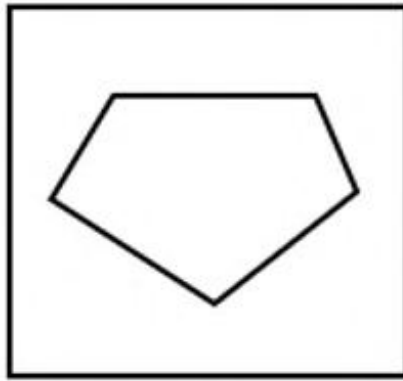
[X] (B):



[X] (C):



[X] (D):



Question 10

Which of the following numbers will replace the question mark (?) in the given series?

13, 21, ?, 69, 133

[X] (A): 41

[X] (B): 37

[✓] Correct (C): 52

[X] (D): 33

Question 11

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

(7, 35, 42), (4, 20, 24)

[X] (A): (12, 60, 48)

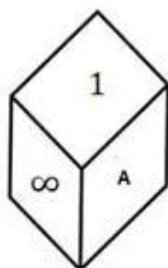
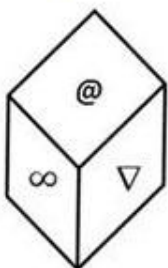
[X] (B): (9, 45, 54)

[X] (C): (6, 36, 48)

[✓] Correct (D): (8, 56, 72)

Question 12

Two positions of a cube are shown. What will come opposite to the face showing '@'?



[X] (A): 1

[✓] Correct (B): A

[X] (C): ∞

[X] (D): ∇

Question 13

In a code language, 'TRAIN' is written as 'PKCTV' and 'MESH' is written as 'JUGO'.
How will 'OMBRE' be written in that language?

[X] (A): GTDOQ

[X] (B): GTDQQ

[X] (C): GODTQ

[✓] Correct (D): QODTG

Question 14

In a certain code language, 'he loves children' is written as 'AA CC PP', 'children like candies' is written as 'ZZ PP QQ' and 'she loves candies' is written as 'QQ AA NN'.
What is the code for the word 'like' in that language?

[X] (A): NN

[X] (B): QQ

[X] (C): ZZ

[✓] Correct (D): PP

Question 15

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:

All tigers are fishes.

No elephant is a tiger.

Some deer are tigers.

Conclusions:

I. Some fishes are deer.

II. No elephant is a deer.

III. No deer is a fish.

[X] (A): Only conclusion II follows.

[✓] Correct (B): Only conclusion I and III follow.

[X] (C): Only conclusion I and II follow.

[X] (D): Only conclusion I follows.

Question 16

Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(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.)

Bird : Badminton

[X] (A): Kohli : Cricket

[X] (B): Ronaldo : Football

[✓] Correct (C): Cue : Billiards

[X] (D): Wash : Dishes

Question 17

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.)

Loss : Profit :: Expense : ? _____

[X] (A): Income

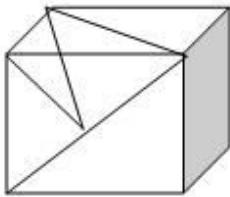
[✓] Correct (B): Spend

[X] (C): Earn

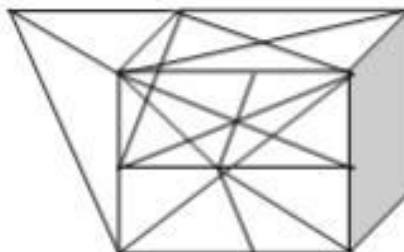
[X] (D): Tax

Question 18

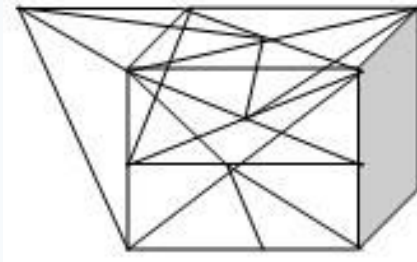
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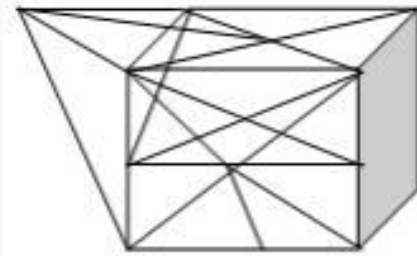
[✓] Correct (A):



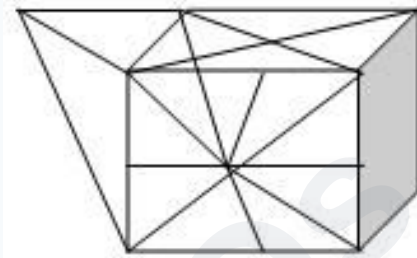
[X] (B):



[X] (C):



[X] (D):



Question 19

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

1. Editorial
2. Education
3. Edition
4. Effective
5. Effortless
6. Ecosystem

[✓] Correct (A): 6, 1, 3, 2, 4, 5

[X] (B): 6, 3, 1, 2, 5, 4

[X] (C): 6, 3, 2, 1, 4, 5

[X] (D): 6, 3, 1, 2, 4, 5

Question 20

'A # B' means 'A is the brother of B'.

'A @ B' means 'A is the daughter of B'.

'A & B' means 'A is the husband of B'.

'A % B' means 'A is the wife of B'.

If V & S @ F % H # T @ Q, then how is V related to H?

[X] (A): Father's father

[X] (B): Daughter's husband

[✓] Correct (C): Father

[X] (D): Wife's father

Question 21

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.

Statement :

All Bananas are Grapes.

All Papayas are Pineapple.

Some Pineapples are Banana.

Conclusions:

(I) Some Papayas are Grapes.

(II) Some Grapes are Pineapples.

(III) Some Bananas are Papayas.

[X] (A): Both Conclusions I and II follow.

[✓] Correct (B): Only Conclusion II follows.

[X] (C): Only Conclusion I follows.

[X] (D): Both Conclusions I and III follow.

Question 22

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.

CREATION : ETGCVKQP :: UNIVERSE : WPKXGTUG :: PLANET : ?

[X] (A): RPCGVN

[X] (B): RPGVNC

[X] (C): RCPNGV

[✓] Correct (D): RNCPGV

Question 23

In a certain code language, 'CHOICE' is written as '53', 'CHARGE' is written as '52', how will 'CHANCE' be written in that language?

[X] (A): 54

[X] (B): 44

[X] (C): 48

[✓] Correct (D): 50

Question 24

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

NOI _ _ _ RCN _ _ _ AERCN_IT_ERC_OITA _ _ C

[X] (A): TONERATEAIO

[✓] Correct (B): TEAIOTONERA

[X] (C): TOANERTAEIOI

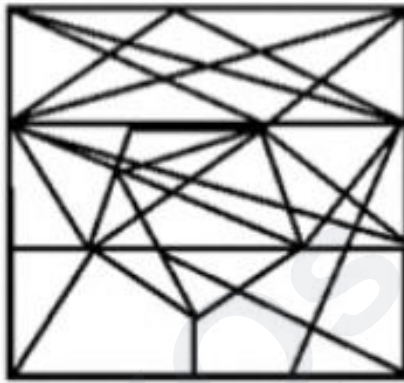
[X] (D): TAEIOITONER

Question 25

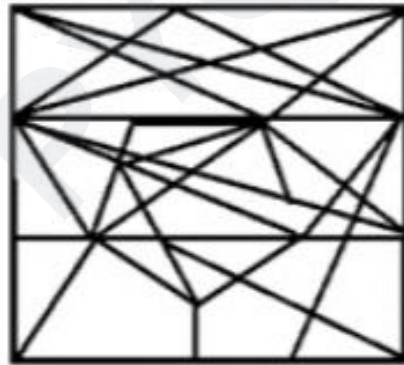
Select the option figure in which the given figure is embedded (rotation is NOT allowed).



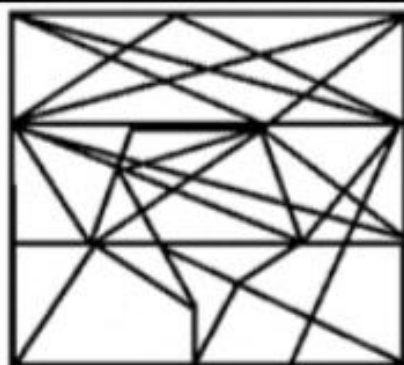
[✓] Correct (A):



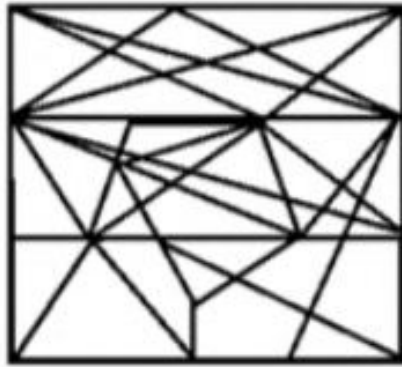
[X] (B):



[X] (C):



[X] (D):



SECTION B: ENGLISH COMPREHENSION & LANGUAGE (25 Questions)

Question 1

Select the most appropriate option to fill in the blank.

Easter eggs used to be painted chicken eggs, but a modern _____ is to substitute them with chocolate eggs or plastic eggs filled with confectionery such as jelly beans.

[X] (A): lore

[✓] Correct (B): legacy

[X] (C): ethic

[X] (D): custom

Question 2

Select the option that expresses the given sentence in passive voice.

Rahim's house is building rapidly.

[X] (A): House of Rahim is built rapidly.

[✓] Correct (B): Rahim's house was built rapidly.

[X] (C): House of Rahim has been built rapidly.

[X] (D): Rahim's house is being built rapidly.

Question 3

Select the most appropriate synonym of the given word.

DISMAL

[X] (A): cheerful

[✓] Correct (B): gloomy

[X] (C): bright

[X] (D): encouraging

Question 4

Select the most appropriate meaning of the underlined word.

The captain disdained the roaring impatience and mutinous disposition of his crews.

[✓] Correct (A): Treated with scorn

[X] (B): Gave due importance to

[X] (C): Release from captivity

[X] (D): Called in question

Question 5

In the given sentence, a word is given in brackets. Select the most appropriate ANTONYM of the word to fill in the blank.

The kids are feeling bored, but they are _____ (eager) to participate in the activities

[✓] Correct (A): passive

[X] (B): reluctant

[X] (C): repulsive

[X] (D): nervous

Question 6

Select the most appropriate option that can substitute the underlined segment in the given sentence.

Hobby is a work which a man undertakes when he is not working for pleasure.

[X] (A): in his scheduled time

[X] (B): in his spare time

[✓] Correct (C): in his available time

[X] (D): in his daytime

Question 7

Select the sentence which does NOT have a spelling error.

[X] (A): There is a statuary warning on every packet of cigarettes.

[X] (B): There is a statutory warning on every packet of cigaretes.

[✓] Correct (C): There is a statutory warning on every packet of cigarettes.

[X] (D): There is a statutory warning on every packet of cigaretttes.

Question 8

Select the most appropriate option to fill in the blank.

Countries like China and the United States invest _____ in wind, hydro, solar and biofuels.

[X] (A): heavily

[✓] Correct (B): profoundly

[X] (C): achingly

[X] (D): absolutely

Question 9

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

Jaya asked if Riya was doing better than the previous day.

☒ **Correct (A): Jaya said to Riya, "Are you doing better than before?"**

☐ **(B):** Jaya said to Riya, "How are you doing today?"

☐ **(C):** Jaya said to Riya, "If you are doing better than yesterday?"

☐ **(D):** Jaya said to Riya, "Are you doing better than yesterday?"

Question 10

Select the most appropriate meaning of the given idiom.

It's a piece of cake

☐ **(A):** It's easy

☐ **(B):** It's horrible

☐ **(C):** It's tasty

☒ **Correct (D): It's tough**

Question 11

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

An arrangement of parts or elements in a particular form or figure

☐ **(A):** Contortion

☒ **Correct (B): Amorphousness**

☐ **(C):** Configuration

☐ **(D):** Delineation

Question 12

Parts of the given sentence have been given as options. One of them contains a spelling error. Select the option that rectifies the error.

Heritage helps us understand our past, appreciate our present and shape our future.

☐ **(A):** Heritage

☐ **(B):** appreciate

☐ **(C):** understand

☒ **Correct (D): present**

Question 13

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

Harry asked me if I wanted to see magic.

☐ **(A):** Harry said, "If you want to see magic?"

☒ **Correct (B): Harry said to me, "Do you want to see magic?"**

[X] (C): Harry said, "Do you want to see magic?"

[X] (D): Harry said to me, "If you want to see magic?"

Question 14

Select the option that expresses the given sentence in reported speech.

Nayan asked, "Can I call you back tomorrow?"

[✓] Correct (A): Nayan asked if he could call me back tomorrow.

[X] (B): Nayan asked if he should call me back tomorrow.

[X] (C): Nayan asked if he can call me back tomorrow.

[X] (D): Nayan asked if he could call me back the next day.

Comprehension Passage:

Comprehension:

Question 15

Select the option that will improve the underlined part of the given sentence.

The walls of the temple caved out due to weak construction.

[X] (A): at

[X] (B): in

[✓] Correct (C): apart

[X] (D): around

Comprehension Passage:

Comprehension:

Question 16

Select the most appropriate option to fill in blank no. 1.

[X] (A): atmosphere

[X] (B): boundary

[X] (C): location

[✓] Correct (D): surface

Comprehension Passage:

Comprehension:

Question 17

Select the most appropriate option to fill in blank no. 2.

[X] (A): plants

[✓] Correct (B): components

[X] (C): pesticides

[X] (D): solvent

Comprehension Passage:

Comprehension:

Question 18

Select the most appropriate option to fill in blank no. 3.

[X] (A): deoxidised

[X] (B): decomposed

[X] (C): desterilised

[✓] Correct (D): deformed

Comprehension Passage:

Comprehension:

Question 19

Select the most appropriate option to fill in blank no. 4.

[X] (A): connections

[✓] Correct (B): compositions

[X] (C): fluctuations

[X] (D): interactions

Comprehension Passage:

Comprehension:

Question 20

Select the most appropriate option to fill in blank no. 5.

[X] (A): steep

[X] (B): abrupt Between him and Darcy there was a very steady friendship, in spite of great opposition of character. Bingley was endeared to Darcy by the easiness, openness, and ductility of his temper, though no disposition could offer a greater contrast to his own, and though with his own he never appeared dissatisfied. On the strength of Darcy's regard Bingley had the firmest reliance, and of his judgment the highest opinion. In understanding, Darcy was the superior. Bingley was by no means deficient, but Darcy was clever. He was at the same time haughty, reserved, and fastidious, and his manners, though well bred, were not inviting. In that respect his friend had greatly the advantage. Bingley was sure of being liked wherever he appeared, Darcy was continually giving offence. The manner in which they spoke of the Meryton assembly was sufficiently characteristic. Bingley had never met with pleasanter people or prettier girls in his life; everybody had been most kind and attentive to him; there had been no formality, no stiffness; he had soon felt acquainted with all the room; and as to Miss Bennet, he could not conceive an angel more beautiful. Darcy, on the contrary, had seen a collection of people in whom there was little beauty and no fashion, for none of whom he had felt the smallest interest, and from none received either attention or pleasure. Miss Bennet he acknowledged to be pretty, but she smiled too much. Mrs. Hurst and her sister allowed it to be so—but still they admired her and liked her, and pronounced her to be a sweet girl, and one whom they should not object to know more of. Miss Bennet was therefore established as a sweet girl, and their brother felt authorised by such commendation to think of her as he chose.

[✓] Correct (C): gradual

[X] (D): chemical

Comprehension Passage:

Comprehension:

Question 21

Select the most appropriate title for the passage from the following options.

[X] (A): Bingley and Friends

[✓] Correct (B): Darcy and Bingley

[X] (C): Darcy and Friends

[X] (D): The Town of Meryton Between him and Darcy there was a very steady friendship, in spite of great opposition of character. Bingley was endeared to Darcy by the easiness, openness, and ductility of his temper, though no disposition could offer a greater contrast to his own, and though with his own he never appeared dissatisfied. On the strength of Darcy's regard Bingley had the firmest reliance, and of his judgment the highest opinion. In understanding, Darcy was the superior. Bingley was by no means deficient, but Darcy was clever. He was at the same time haughty, reserved, and fastidious, and his manners, though well bred, were not inviting. In that respect his friend had greatly the advantage. Bingley was sure of being liked wherever he appeared, Darcy was continually giving offence. The manner in which they spoke of the Meryton assembly was sufficiently characteristic. Bingley had never met with pleasanter people or prettier girls in his life; everybody had been most kind and attentive to him; there had been no formality, no stiffness; he had soon felt acquainted with all the room; and as to Miss Bennet, he could not conceive an angel more beautiful. Darcy, on the contrary, had seen a collection of people in whom there was little beauty and no fashion, for none of whom he had felt the smallest interest, and from none received either attention or pleasure. Miss Bennet he acknowledged to be pretty, but she smiled too much. Mrs. Hurst and her sister allowed it to be so—but still they admired her and liked her, and pronounced her to be a sweet girl, and one whom they should not object to know more of. Miss Bennet was therefore established as a sweet girl, and their brother felt authorised by such commendation to think of her as he chose.

Comprehension Passage:

Comprehension:

Question 22

Select the most appropriate meaning of 'fastidious' from the following options.

[X] (A): Concerned about accuracy and detail

[✓] Correct (B): Undemanding

[X] (C): Queasy

[X] (D): Prissy Between him and Darcy there was a very steady friendship, in spite of great opposition of character. Bingley was endeared to Darcy by the easiness, openness, and ductility of his temper, though no disposition could offer a greater contrast to his own, and though with his own he never appeared dissatisfied. On the strength of Darcy's regard Bingley had the firmest reliance, and of his judgment the highest opinion. In understanding, Darcy was the superior. Bingley was by no means deficient, but Darcy was clever. He was at the same time haughty, reserved, and fastidious, and his manners, though well bred, were not inviting. In that respect his friend had greatly the advantage. Bingley was sure of being liked wherever he appeared, Darcy was continually giving offence. The manner in which they spoke of the Meryton assembly was sufficiently characteristic. Bingley had never met with pleasanter people or prettier girls in his life; everybody had been most kind and attentive to him; there had been no formality, no stiffness; he had soon felt acquainted with all the room; and as to Miss Bennet, he could not conceive an angel more beautiful. Darcy, on the contrary, had seen a collection of people in whom there was little beauty and no fashion, for none of whom he had felt the smallest interest, and from none received either attention or pleasure. Miss Bennet he acknowledged to be pretty, but she smiled too much. Mrs. Hurst and her sister allowed it to be so—but still they admired her and liked her, and pronounced her to be a sweet girl, and one whom they should not object to know more of. Miss Bennet was therefore established as a sweet girl, and their brother felt authorised by such commendation to think of her as he chose.

Comprehension Passage:

Comprehension:

Question 23

Who was understanding, clever, haughty and reserved?

[✓] Correct (A): Miss Bennett

[X] (B): Mrs. Hurst

[X] (C): Bingley

[X] (D): Darcy Between him and Darcy there was a very steady friendship, in spite of great opposition of character. Bingley was endeared to Darcy by the easiness, openness, and ductility of his temper, though no disposition could offer a greater contrast to his own, and though with his own he never appeared dissatisfied. On the strength of Darcy's regard Bingley had the firmest reliance, and of his judgment the highest opinion. In understanding, Darcy was the superior. Bingley was by no means deficient, but Darcy was clever. He was at the same time haughty, reserved, and fastidious, and his manners, though well bred, were not inviting. In that respect his friend had greatly the advantage. Bingley was sure of being liked wherever he appeared, Darcy was continually giving offence. The manner in which they spoke of the Meryton assembly was sufficiently characteristic. Bingley had never met with pleasanter people or prettier girls in his life; everybody had been most kind and attentive to him; there had been no formality, no stiffness; he had soon felt acquainted with all the room; and as to Miss Bennet, he could not conceive an angel more beautiful. Darcy, on the contrary, had seen a collection of people in whom there was little beauty and no fashion, for none of whom he had felt the smallest interest, and from none received either attention or pleasure. Miss Bennet he acknowledged to be pretty, but she smiled too much. Mrs. Hurst and her sister allowed it to be so—but still they admired her and liked her, and pronounced her to be a sweet girl, and one whom they should not object to know more of. Miss Bennet was therefore established as a sweet girl, and their brother felt authorised by such commendation to think of her as he chose.

Comprehension Passage:

Comprehension:

Question 24

Select the synonym of 'dependence' from the passage.

[✓] Correct (A): Misgiving

[X] (B): Relay

[X] (C): Reliance

[X] (D): Skepticism Between him and Darcy there was a very steady friendship, in spite of great opposition of character. Bingley was endeared to Darcy by the easiness, openness, and ductility of his temper, though no disposition could offer a greater contrast to his own, and though with his own he never appeared dissatisfied. On the strength of Darcy's regard Bingley had the firmest reliance, and of his judgment the highest opinion. In understanding, Darcy was the superior. Bingley was by no means deficient, but Darcy was clever. He was at the same time haughty, reserved, and fastidious, and his manners, though well bred, were not inviting. In that respect his friend had greatly the advantage. Bingley was sure of being liked wherever he appeared, Darcy was continually giving offence. The manner in which they spoke of the Meryton assembly was sufficiently characteristic. Bingley had never met with pleasanter people or prettier girls in his life; everybody had been most kind and attentive to him; there had been no formality, no stiffness; he had soon felt acquainted with all the room; and as to Miss Bennet, he could not conceive an angel more beautiful. Darcy, on the contrary, had seen a collection of people in whom there was little beauty and no fashion, for none of whom he had felt the smallest interest, and from none received either attention or pleasure. Miss Bennet he acknowledged to be pretty, but she smiled too much. Mrs. Hurst and her sister allowed it to be so—but still they admired her and liked her, and pronounced her to be a sweet girl, and one whom they should not object to know more of. Miss Bennet was therefore established as a sweet girl, and their brother felt authorised by such commendation to think of her as he chose.

Question 25

What is the central theme of the passage?

[X] (A): Bingley and his attractive qualities

[X] (B): The similarities between Darcy and Bingley

[X] (C): The contrast between Bingley and Darcy

[✓] Correct (D): Darcy and his unlikeable qualities

SECTION C: QUANTITATIVE APTITUDE (25 Questions)

Question 1

Shalini spends 60% of her salary. If her salary is increased by 40% and her expenditure is also increased by 30%, find the percentage increment or decrement in her savings.

[X] (A): 45% decrement

[X] (B): 45% increment

[✓] Correct (C): 55% increment

[X] (D): 55% decrement

Question 2

The current population of a village is 1000 and its population is increasing at the rate of 10% every year. What will be the population of the village after three years?

[✓] Correct (A): 1100

[X] (B): 1210

[X] (C): 1331

[X] (D): 1500

Question 3

A police officer sees a thief from 200 metres. The thief flees, and the police officer pursues him. The thief and the officer are both running at 10 km/h and 11 km/h, respectively. At what distance will the officer apprehend the thief?

[X] (A): 3 km

[X] (B): 2 km

[✓] Correct (C): 2.2 km

[X] (D): 2.5 km

Question 4

A family saves 30% of the total income and the savings amount to ₹600 less than half of the expenditure. If the total expenditure is spent on health, food and education in the ratio of 3 : 5 : 6, then what amount of expenditure is spent on education?

[X] (A): ₹7,200

[X] (B): ■1,800

[✓] Correct (C): ■3,600

[X] (D): ■8,400

Question 5

$[(\sin \theta \tan \theta + \cos \theta)^2 - 1]$ is equal to:

[X] (A): $\sec^2 \theta$

[X] (B): $\sec \theta$

[✓] Correct (C): $\tan^2 \theta$

[X] (D): $\operatorname{cosec} \theta$

Question 6

Determine the largest angle if the angles of a triangle are in the ratio 3 : 4 : 5.

[X] (A): 65°

[X] (B): 85°

[✓] Correct (C): 70°

[X] (D): 75°

Question 7

A dishonest shopkeeper claims to sell his articles at the cost price but uses 950 gm weight instead of one kilogram weight. What is his profit (rounded off to 1 decimal place) percentage?

[✓] Correct (A): 4.5 Percent

[X] (B): 11.1 Percent

[X] (C): 7.8 Percent

[X] (D): 5.3 Percent

Question 8

The algebraic expression $25x^2 + 16y^2 + 9z^2 - 40xy + 24yz - 30zx$ is equal to:

[X] (A): $(4y - 3z - 5x)(4x + 5y + 3z)$

[X] (B): $(4y - 3z - 5x)^2$

[X] (C): $(4y + 3z - 5x)^2$

[✓] Correct (D): $(4y + 3z - 5x)(4x + 5y - 3z)$

Question 9

If $xy = 6$ and $x^2y + xy^2 + x + y = 63$, then the value of $x^2 + y^2$ is:

[X] (A): 59

[X] (B): 79

[✓] Correct (C): 69

[X] (D): 70

Question 10

A sold an article to B at 25% profit. B sold it to C at a loss of 12%. If C paid Rs.1,650, then how much did A pay for it?

[X] (A): Rs.1,100

[✓] Correct (B): Rs.1,480

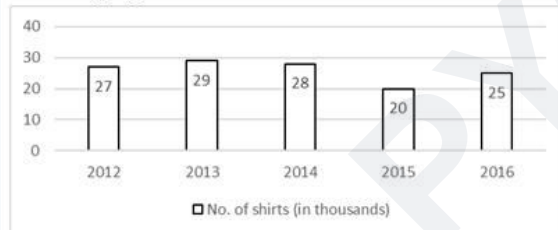
[X] (C): Rs.1,500

[X] (D): Rs.1,990

Question 11

Study the given bar-graph and answer the question that follows.

The bar-graph shows the number of shirts manufactured (in thousands) by a company during five years.



What is the percentage decrement in the production of shirts in the year 2015 as compared to 2014 (correct up to two decimals)?

[X] (A): 29.57%

[✓] Correct (B): 30.12%

[X] (C): 27.37%

[X] (D): 28.57%

Question 12

Factorize the given algebraic expression.

$$x^3 + 27y^3 + 64z^3 - 36xyz$$

[X] (A): $(x + 3y + 4z)(x^2 + 9y^2 + 16z^2 + 3xy + 12yz + 4xz)$

[✓] Correct (B): $(x - 3y - 4z)(x^2 + 9y^2 + 16z^2 - 3xy - 12yz - 4xz)$

[X] (C): $(x + 3y + 4z)(x^2 + 9y^2 + 16z^2 - 3xy - 12yz - 4xz)$

[X] (D): $(x + 3y + 4z)(x^2 + 9y^2 + 16z^2 - 12xy - 3yz - 4xz)$

Question 13

In a company, the average salary of all the employees is ₹20,000. The average salary of group-A employees is ₹32,000 while the average salary of group-B employees is ₹18,000. What is the number of employees in group-A if there are 72 employees in group-B?

[X] (A): 6

[X] (B): 12

[✓] Correct (C): 9

[X] (D): 8

Question 14

Which of the following is a pair of co-primes?

[X] (A): (32, 62)

[✓] Correct (B): (25, 31)

[X] (C): (14, 35)

[X] (D): (31, 93)

Question 15

Which of the following numbers is NOT divisible by 9?

[✓] Correct (A): 43516

[X] (B): 51543

[X] (C): 34155

[X] (D): 54315

Question 16

What is the fourth proportional of $\frac{1}{72}, \frac{1}{168}, \frac{1}{150}$?

[X] (A): $\frac{1}{350}$

[✓] Correct (B): $\frac{1}{375}$

[X] (C): $\frac{1}{250}$

[X] (D): $\frac{1}{275}$

Question 17

If AB is a chord of a circle with radius 5 units and C is a point on the circle such that $\angle ACB = \frac{\pi}{2}$, then the length of chord AB is:

☒ (A): 10 units

☐ (B): 2.5 units

☐ (C): 7.5 units

☐ (D): 5 units

Question 18

If θ is an acute angle and $\sin \theta + \operatorname{cosec} \theta = 2$, then the value of $\sin^{\theta} \theta + \operatorname{cosec}^{\theta} \theta$ is:

☐ (A): 1

☐ (B): 0

☐ (C): 2

☒ (D): -1

Question 19

A conical vessel has radius 4 cm and its curved surface area is $20\pi \text{ cm}^2$. The volume of conical vessel is:

☐ (A): $16\pi \text{ cm}^3$

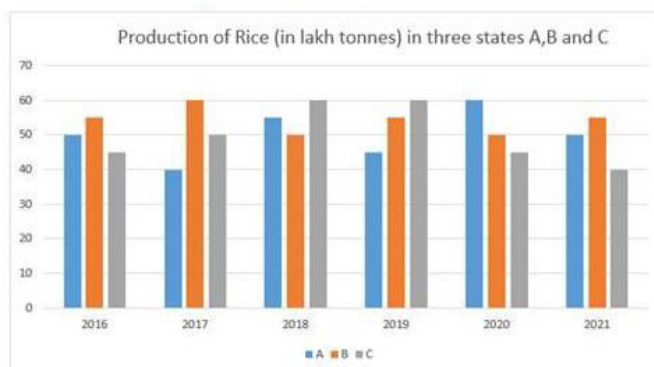
☒ (B): $18\pi \text{ cm}^3$

☐ (C): $26\pi \text{ cm}^3$

☐ (D): $12\pi \text{ cm}^3$

Question 20

Study the given graph and answer the question that follows.



What is the difference between the production of rice in state C in 2016 and the production of rice in state B in 2019.

☐ (A): 10,000 tonnes

[X] (B): 15,00,000 tonnes

[✓] Correct (C): 1,00,000 tonnes

[X] (D): 10,00,000 tonnes

Question 21

Anil works 3 times faster than Sandeep. If Sandeep can complete a work independently in 12 days, the number of days in which Anil and Sandeep can together finish the work is:

[X] (A): 3

[✓] Correct (B): 4

[X] (C): 2

[X] (D): 5

Question 22

Mohan got a 20% discount on the marked price when he bought a bag. He sold it for 40% more than what he paid for it. The profit percentage on the marked price is:

[X] (A): 15%

[X] (B): 8%

[X] (C): 12%

[✓] Correct (D): 11%

Question 23

In a hotel, ration is available for 148 persons for 51 days. If 37 persons left the hotel, then for how many days will the remaining ration last?

[X] (A): 68

[X] (B): 67

[X] (C): 65

[✓] Correct (D): 69

Question 24

The average weight of 12 persons is increased by 3.5 kg when one of them whose weight is 56 kg is replaced by a new man. The weight of the new man is:

[X] (A): 100 kg

[✓] Correct (B): 90 kg

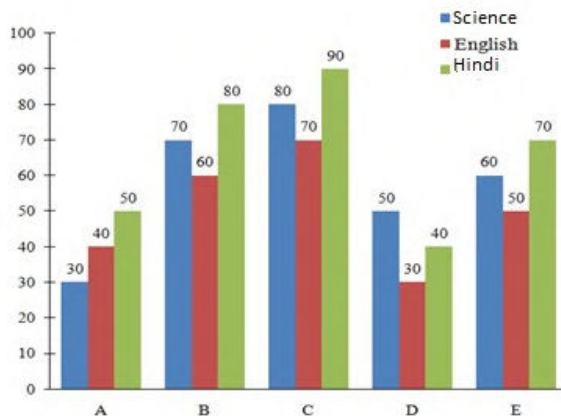
[X] (C): 95 kg

[X] (D): 98 kg

Question 25

Study the given graph carefully and answer the question that follows.

Marks scored by five students in Science, English and Hindi are shown in the graph.



What is the difference between the total marks obtained by C and the total marks obtained by E?

☒ **Correct (A): 55 marks**

☐ (B): 65 marks

☐ (C): 60 marks

☐ (D): 50 marks

SECTION D: GENERAL AWARENESS (25 Questions)

Question 1

In which year was Soil Health Card launched in India to enable the farmers to apply appropriate recommended dosages of nutrients for crop production and improving soil health and its fertility?

☐ (A): 2019

☐ (B): 2015

☐ (C): 2013

☒ **Correct (D): 2017**

Question 2

How many members of the State Legislative Council are nominated by the Governor?

☐ (A): One-fourth

☐ (B): One-fifth

☒ **Correct (C): One-third**

☐ (D): One-sixth

Question 3

Who among the following has become IAF's first woman fighter pilot from J&K;?

[X] (A): Arundhati Ramsingh

[✓] Correct (B): Garima Lahiri

[X] (C): Mawya Sudan

[X] (D): Apurva Lahiri

Question 4

Which is NOT a Fundamental Duty?

[✓] Correct (A): To protect public property

[X] (B): To respect the elders

[X] (C): To preserve India's rich heritage and composite culture

[X] (D): To respect National Flag and National Anthem

Question 5

Which of the following states has a higher potential for solar energy?

[X] (A): Tamil Nadu

[✓] Correct (B): Odisha

[X] (C): Rajasthan

[X] (D): Kerala

Question 6

Which of the following chemical compounds is a naturally occurring orange/yellow pigment extracted from turmeric, which is used as a spice, in food colouring and as a traditional herbal medicine?

[X] (A): Cochineal Telegram (Previous year papers PDFs [SSC,Railway,DSSSB,UP SI]): https://t.me/RBE_S YouTube (Free lectures and job updates): <https://www.youtube.com/c/RBERevolutionByEducation> Shubham Sir Maths

[X] (B): Tartrazine

[X] (C): Curcumin

[✓] Correct (D): Carmoisine

Question 7

According to Census 2011 of India, which of the following group of states have the highest female literacy rates?

[✓] Correct (A): Rajasthan and Bihar

[X] (B): Kerala and Mizoram

[X] (C): Sikkim and Nagaland

[X] (D): Kerala and Tamil Nadu

Question 8

Who appoints the Attorney General of India?

[X] (A): Minister of Law and Justice

[X] (B): President

[X] (C): Prime Minister

[✓] Correct (D): Chief Justice of Supreme Court

Question 9

In which of the following dances from Assam do the movements by the dancers resemble butterflies and birds?

[X] (A): Bagurumba

[✓] Correct (B): Bihu

[X] (C): Deodhani

[X] (D): Jhumar

Question 10

Who among the following has completed his term as the Chair of Governing Body of International Labour Organization in 2021?

[X] (A): HPS Ahluwalia

[X] (B): Apurva Chandra

[X] (C): Vikram Rana

[✓] Correct (D): Amitav Ghosh

Question 11

In _____, BR Ambedkar negotiated the Poona Pact with Mahatma Gandhi.

[X] (A): 1930

[X] (B): 1933

[X] (C): 1931

[✓] Correct (D): 1932

Question 12

In 1662, who described the equation $P_1V_1 = P_2V_2$, where P_1 and V_1 are the initial pressure and volume values, and P_2 and V_2 are the pressure and volume values of the gas after the transformation?

[✓] Correct (A): Robert Boyle

[X] (B): Joseph Gay Lussac

[X] (C): Amedeo Avogadro

[X] (D): John Dalton

Question 13

General Election to the Legislative Assembly of which of the following States did not take place in February-March 2022?

[X] (A): Uttar Pradesh

[✓] Correct (B): Punjab

[X] (C): Rajasthan

[X] (D): Manipur

Question 14

Mouma Das, who received Padma Shri Award in 2021, is a player of which of the following sports?

[X] (A): Badminton

[X] (B): Golf

[✓] Correct (C): Table Tennis

[X] (D): Cricket

Question 15

Which of the following was known as the forerunner of the Brahmo Samaj?

[X] (A): Hindu Sabha

[X] (B): Paramhansa Sabha

[X] (C): Atmiya Sabha

[✓] Correct (D): Prarthana Sabha

Question 16

In which year was the first reliable measurement on the properties of gases made by Anglo-Irish scientist Robert Boyle?

[X] (A): 1663

[✓] Correct (B): 1661

[X] (C): 1664

[X] (D): 1662

Question 17

Where was Babur buried for the first time in 1530?

[X] (A): Delhi

[✓] Correct (B): Kabul

[X] (C): Agra

[X] (D): Fargana

Question 18

Who achieved fame for the Pandanallur school of Bharatanatyam?

☐ (A): Meenakshi Pillai

☐ (B): Mallika Sarabhai

☐ (C): Padma Subramanyam

☒ Correct (D): Anita Ratnam

Question 19

What is a 'Gopura' in South Indian temple architecture of the medieval period?

☐ (A): A parapet wall

☐ (B): An entrance gateway

☐ (C): A pillar-like structure

☒ Correct (D): A sanctum sanctorum

Question 20

'Courage and Commitment: An Autobiography' is written by which Indian Politician?

☐ (A): Shashi Tharoor

☐ (B): LK Advani

☐ (C): Rahul Gandhi

☒ Correct (D): Margaret Alva

Question 21

The Koraput Revolution occurred in _____ during the Quit India Movement.

☐ (A): Bihar

☒ Correct (B): Orissa

☐ (C): the United Provinces

☐ (D): Bengal

Question 22

Which biome is found in the northern parts of Asia, Europe and North America where 300 to 900 millimetres (12 to 35 in) of rain can be expected per year?

☐ (A): Coniferous forest

☐ (B): Mediterranean forests

☐ (C): Temperate deciduous forests

☒ Correct (D): Taiga forests

Question 23

When was the Ayushman Bharat Digital Mission launched?

[X] (A): 27 January 2020

[X] (B): 17 February 2021

[X] (C): 2 October 2021

[✓] Correct (D): 27 September 2021

Question 24

Which of the following is the largest city of Myanmar?

[✓] Correct (A): Naypyidaw

[X] (B): Mandalay

[X] (C): Patheingyi

[X] (D): Yangon

Question 25

Which nation-wide campaign was initiated by the Government of India on Gandhi Jayanti, 2014?

[✓] Correct (A): Swachh Bharat Abhiyan

[X] (B): Mahatma Gandhi Pravasi Suraksha Yojana

[X] (C): Gandhi Shilp Bazar

[X] (D): Mahatma Gandhi Bunkar Bima Yojana