

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

SSC CGL

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 05

QUESTION- 100

MARKS- 200

NEGATIVE MARK- 0.50

DURATION- 60 MIN.

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through the examiner.
3. There are a total of 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.

6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out only with his permission after submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 2 marks will be given for each correct answer and 0.50 marks will be deducted for each wrong answer.



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Website:- www.spardha.guru

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ADDRESS:- No 8, 24th Block Manasi Nagar Beside of Bliss serviced Apartment, Mysuru, Karnataka 570029

HELPLINE 90711 54445, 90711 64446, 90711 74447

Total: 100 Que.

SSC CGL | Tier I | Mock Test 05

Time: 60 Min.

General Intelligence & Reasoning

- 1). Select the option in which the numbers are related in the same way as are the numbers in the given set.
(45, 24, 441)

(a) (30, 60, 1024) (b) (50, 30, 480)
(c) (35, 17, 324) (d) (41, 18, 630)

- 2). Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

(a) Kilogram (b) Distance (c) Minute (d) Liter

- 3). Select the letter will replace the question mark (?) in the following series.

C, B, B, C, Z, E, W, H, S, ?, N

(a) I (b) P (c) K (d) L

- 4). A – B means 'A is the mother of B';

$A \times B$ means 'A is the sister of B';

$A \div B$ means 'A is the daughter of B'.

Which of the following expressions means 'U is the daughter of Q'?

(a) $Q - Z \div U \times K$ (b) $Q - Z \times U \div K$
(c) $K - Z \div U \times Q$ (d) $K - U \div Z \times Q$

- 5). Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All toys are pens.

All games are pens.

Conclusions:

I. No toy is a game.

II. No pen is a game.

III. Some toys are games.

(a) Only conclusions I and II follow.

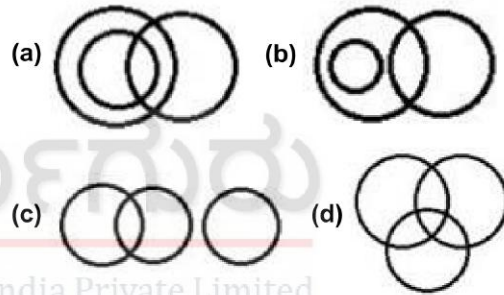
(b) All conclusions I, II and III follow.

(c) Only conclusions II and III follow.

(d) Either conclusion I or III follow.

- 6). Which of the following Venn diagrams best represents the relationship between the following classes?

Accountants, Girls, Internet users



- 7). Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

(a) 30:94 (b) 27:85 (c) 44:136 (d) 33:109

- 8). What day of the week was 31 January 2007?

(a) Tuesday (b) Monday (c) Thursday
(d) Wednesday

- 9). In a certain code language, 'PAINTS' is written as 'CRPKUV'. How will 'PURITY' be written as in that language?

(a) VSKTAZ (b) WRKTAV (c) WRKSNU
(d) XSIIBM

- 10). Select the option in which the words share the same relationship as that shared by the given pair of words.

Office : Work

(a) Court : Lawyer (b) School : Study
(c) House : Bricks (d) Hospital : Director

- 11). Study the given pattern carefully and select the number that can replace the question mark (?) in it.

14	17	22
49	61	?
189	237	317

- (a) 81 (b) 71 (c) 79 (d) 83

- 12). Four letter-cluster have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

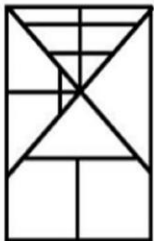
- (a) TWZC (b) NOSV (c) EHKN (d) PSVY

- 13). Arrange the following words in the order in which they would appear in an English dictionary.

- 1) Temper
- 2) Temple
- 3) Tamarind
- 4) Tender
- 5) Tenacity

- (a) 3, 2, 1, 4, 5 (b) 1, 3, 2, 5, 4 (c) 3, 1, 2, 5, 4
(d) 3, 1, 5, 4, 2

- 14). How many triangles are there in the given figure?



- (a) 21 (b) 20 (c) 19 (d) 17

- 15). Select the correct mirror image of the given alphanumeric-cluster when a vertical mirror is placed on the right side of the cluster.

6 5 4 H B M A

(a) 6 2 4 H B M A

(b) 6 2 4 H B M A

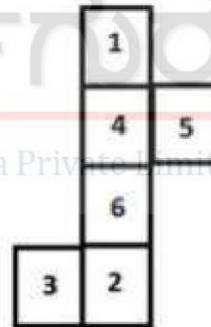
(c) 6 2 4 H B M A

(d) 6 2 4 H B M A

- 16). Select the letter-cluster that can replace the question mark (?) in the following series.
PERSONA, ANPERSO, ANOSPER, ?

- (a) NOSAREP (b) ANOSREP (c) ANOSERP
(d) ANSORPE

- 17). A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers will be on opposite sides?



- (a) 2 and 4 (b) 1 and 5 (c) 1 and 2 (d) 3 and 6

- 18). 'Diabetes' is related to 'Blood Sugar' in the same way as 'Hypertension' is related to _____.

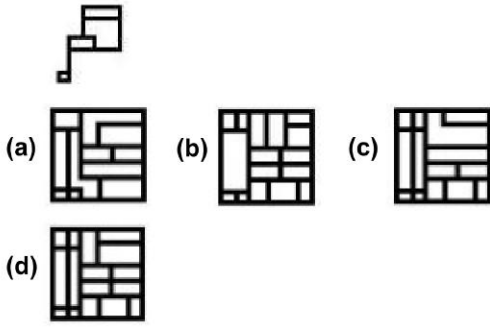
- (a) Heart (b) Body Cells (c) Blood Pressure
(d) Red Blood Cells

- 19). Select the option that is related to the third number in the same way as the second number is related to the first number.

11 : 265 :: 20 : ?

- (a) 840 (b) 835 (c) 838 (d) 841

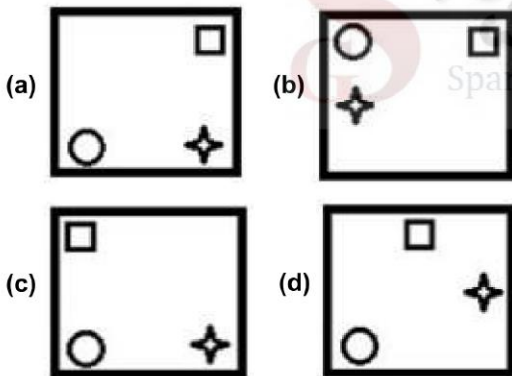
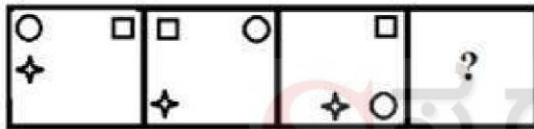
- 20). Select the option in which the given figure is embedded (rotation is not allowed).



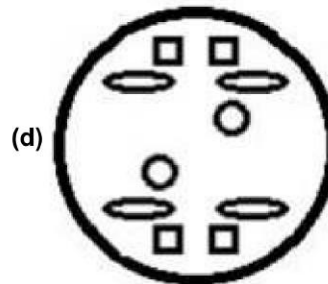
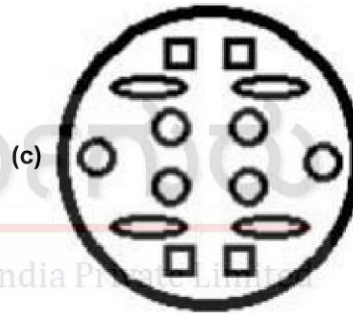
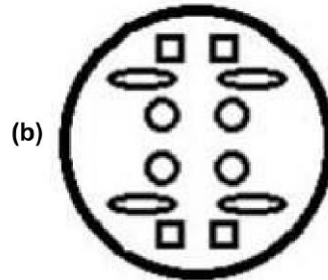
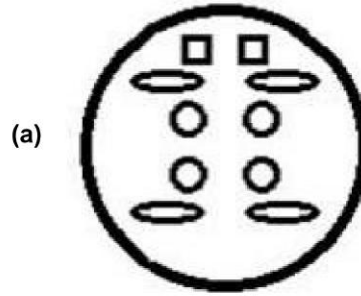
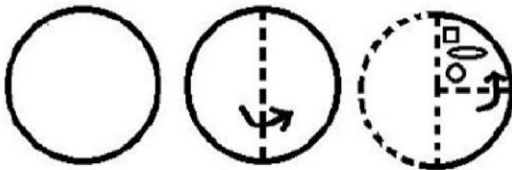
- 21). In a certain code language, 'SOLID' is coded as '64' and 'pour' is coded as '74'. How will 'Ton' be coded as in that language?

(a) 60 (b) 52 (c) 49 (d) 85

- 22). Select the figure that can replace the question mark (?) in the following series.



- 23). The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this look when unfolded?



- 24). Select the number that can replace the question mark (?) in the following series.
35, 36, 40, ?, 83, 208, 244

(a) 73 (b) 55 (c) 67 (d) 60

- 25). If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition', and 'D' stands for 'division', then what is the value of the following expression?

27 A 8 B 5 C (11 C 3) B 5 C 36 D 6

(a) 24 (b) 20 (c) 63 (d) 60

1). Which one of the following statements is INCORRECT?

- (a) The measurable unit of pressure is denoted as Metre
(b) Evaporation causes cooling.
(c) Matter is made up of small particles.
(d) Brass is a mixture of 30% zinc and 70% copper.

2). Which of the following is caused by a virus named 'Varicella zoster'?

- (a) Polio (b) Chickenpox (c) Rabies
(d) Cholera

3). Who has topped the recently released 'Grievance Redressal Index'?

- (a) Goa (b) Gujarat (c) Sikkim (d) Kerala

4). Which of the following martial art forms is practiced in the state of Punjab and West Bengal?

- (a) Mardaani khel (b) Thang-ta (c) Kalaripayattu
(d) Lathi

5). Who among the following was NOT associated with the revolt of 1857?

- (a) Begum Hazrat Mahal (b) Kunwar Singh
(c) Mangal Pandey (d) Bhagat Singh

6). Where has the third trade and investment working group meeting been held recently?

- (a) Jaipur (b) Kevadia (c) Varanasi (d) Bhopal

7). Who is the author of the book titled 'The Anarchy: The East India Company, Corporate Violence, and the Pillage of an Empire'?

- (a) Pankaj Mishra (b) Shashi Tharoor
(c) VP Menon (d) William Dalrymple

8). In which part of India, are the Patkai Bum hills located?

- (a) Northern part of India (b) Western part of India
(c) Eastern part of India (d) Southern part of India

9). Which of the following schedules of the Constitution of India has been INCORRECTLY matched with its content?

- (a) Third Schedule – Forms of oath or affirmations
(b) Second Schedule – Languages
(c) Fourth Schedule – Allocation of seats in the council of states
(d) First Schedule – The states and the union territories

10). In which year, did the Third Round Table Conference take place?

- (a) 1930 (b) 1928 (c) 1932 (d) 1929

11). The tidal mouth of a river where fresh and saline water get mixed is known as a/an _____.

- (a) Estuary (b) Fold (c) Archipelago (d) Gorge

12). A situation where the expenditure of the government exceeds its revenue is known as _____.

- (a) Deficit budget (b) Default (c) Morbidity
(d) Devaluation

13). What is the name of the anti-hijacking exercise conducted by the India Navy in collaboration with the Indian Coast Guard?

- (a) Nagah (b) Indra (c) Apharan (d) Ekuverin

14). Which of the following is used for removing permanent hardness of water?

- (a) Lime (b) Baking soda (c) Bleaching powder
(d) Washing soda

15). In which year, did the battle of Khanua (Khanwa) take place between Babur and the Rajput forces led by Rana Sanga?

- (a) 1522 (b) 1527 (c) 1526 (d) 1529

16). Who wrote the play 'Mricchakatika' (The Little Clay Cart), a social drama with touches of grim reality?

- (a) Kalidasa (b) Magh (c) Sudraka (d) Raidasa

17). Which of the following can be diagnosed with the Widal test?

- (a) AIDS (b) Cancer (c) Typhoid fever
(d) Tuberculosis

- (a) Bangladeshi (b) Sri Lankan (c) Indonesian
(d) Burmese

18). Who discovered cells in the human body?

- (a) Charles Darwin (b) Albert Einstein
(c) Herbert Spencer (d) Robert Hooke

19). Which organization launched the Agricultural Marketing and Farmer Friendly Reforms Index (AMFFRI)?

- (a) NITI Aayog (b) Reserve Bank of India
(c) National Institute of Public Finance and Police (NIPFP)
(d) Indian Institute of Public Administration

20). On which lake is the world's only floating post office situated?

- (a) Dal Lake (b) Chilika Lake (c) Wular Lake
(d) Loktak Lake

21). Where has India got its 36th Flying Training Organization recently?

- (a) Punjab (b) Maharashtra (c) Tamilnadu
(d) Madhya Pradesh

22). Which of the following is one of the Articles of the Constitution of India that mentions the Comptroller and Author General of India?

- (a) 156 (b) 280 (c) 148 (d) 352

23). With which country has India recently started bilateral trade in rupees?

- (a) Bangladesh (b) Pakistan (c) Sri Lanka
(d) Bhutan

24). Who among the following was known as 'Andhra Kesari'?

- (a) Khan Abdul Ghaffar Khan (b) Chittaranjan Das
(c) T. Prakasam (d) Mahatma Gandhi

25). What is Gotabaya Rajapaksa's nationality?

English Comprehension

- 1). Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The old lady nearly dead from fright.

- (a) dead out of fright (b) died of fright
(c) died with frightening (d) No improvement

- 2). Select the most appropriate meaning of the given idiom.

Come to the point

- (a) To meet at a designated place
(b) To speak plainly about the real issue
(c) To get reconciled to something
(d) To unravel a mystery

- 3). Given below are four jumbled sentences. Pick the option that gives their correct order.

A) I took a deep breath and inhaled the air.

B) It was a fine spring morning.

C) As soon as I entered the garden, lush green welcomed me.

D) The freshness in the air drew my feet towards a garden.

- (a) ACBD (b) BADC (c) CDAB (d) CABD

- 4). Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A) It hurts the heart most of all by inflating blood pressure.

B) You can blow up and let it out or bottle it up and ignore it.

C) The question then arises- What to do about it?

D) Researchers have long agreed that anger hurts your health.

- (a) CADB (b) BCAD (c) DBCA (d) DACB

- 5). Choose the most appropriate option to change the narration (direct/indirect) of the given sentence.

The guard said to the visitors, "Do not take photographs inside the museum."

- (a) The guard forbade the visitors to take photographs inside the museum.
(b) The guard told the visitors that do not take photographs inside the museum.
(c) The guard warned the visitors not to be taking photographs inside the museum.
(d) The guard requested the visitors to not took photographs inside the museum.

- 6). Select the most appropriate antonym of the given word.

ASSIST

- (a) support (b) obstruct (c) conceal (d) decline

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There are certain spheres of one's life in which one should go by one's own (1) _____ rather than follow another's counsel. The choice (2) _____ one's subject of study is one such sphere. (3) _____ one is genuinely interested in a subject, one (4) _____ never opt for it. India is already full of (5) _____ pegs in round holes, who are unfit for their roles and are doing more harm than good.

- 7). Select the most appropriate option to fill in blank number (1).

- (a) Alternative (b) Option (c) Possibility
(d) Choice

- 8). Select the most appropriate option to fill in blank number (2).

- (a) Between (b) Of (c) Among (d) At

- 9). Select the most appropriate option to fill in blank number (3).

- (a) Unless (b) Even if (c) Although (d) Since

- 10). Select the most appropriate option to fill in blank number (4).

- (a) Ought (b) Could (c) Would (d) Should

- 11). Select the most appropriate option to fill in blank number (5).

- (a) Large (b) Circular (c) Square (d) Small

- 12). In the sentence, identify the segment which contains the grammatical error. The present what I buy for you yesterday was very expensive

- (a) was very expensive (b) The present
(c) for you yesterday (d) what I buy

- 13). Select the most appropriate synonym of the given word.

ACCURATE

- (a) compact (b) erroneous (c) precise
(d) capable

- 14). Select the word which means the same as the group words given.

A place where plants are grown for sale

- (a) Garden (b) Aviary (c) Yard (d) Nursery

- 15). Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

He was greatly disappointed to be failed again.

- (a) No improvement (b) by being failed
(c) to failed (d) on failing

- 16). Select the most appropriate meaning of the given idiom.

Give a piece of one's mind

- (a) To advise someone
(b) To donate something valuable
(c) To rebuke someone strongly
(d) To share one's ideas

- 17). Fill in the blank with the most appropriate word.

There is a _____ growth of flowers in tropical countries.

- (a) pious (b) plenty (c) luxuriant (d) powerful

18). Select the most appropriate antonym of the given word.

INDUSTRIOUS

- (a) durable (b) cautions (c) diligent
(d) lethargic

19). Select the INCORRECTLY spelt word.

- (a) Affiliate (b) Annihilate (c) Exclamation
(d) Aesthetic

20). Fill in the blank with the most appropriate word.

There are _____ errors in your assignment.

- (a) numerous (b) multifold (c) abundant
(d) sufficient

21). Select the incorrectly spelt word.

- (a) persuit (b) actually (c) parallel (d) opinion

22). In the sentence, identify the segment which contains the grammatical error.

He went to work but returned back immediately.

- (a) immediately (b) He went
(c) but returned back (d) to work

23). Choose the most appropriate option to change the voice (active/passive) form of the given sentence.

He incurred heavy losses in business.

- (a) Heavy losses are being incurred in business by him.
(b) Heavy losses are incurred in business by him
(c) Heavy losses were incurred in business by him.
(d) Heavy losses was incurred in business by him.

24). Select the most appropriate synonym of the given word.

AFFLUENT

- (a) impoverished (b) hostile (c) prosperous
(d) authentic

25). Select the word which means the same as the group words given.

Putting to death painlessly to end suffering

- (a) Altruism (b) Blaspheme (c) Genocide
(d) Euthanasia

Quantitative Aptitude

1). If 18 men can cut a field in 35 days, then in how many days can 21 men cut the same field?

- (a) 27 (b) 28 (c) 30 (d) 32

2). The perimeter of an isosceles triangle is 50 cm. If the base is 18 cm, then find the length of the equal sides.

- (a) 18cm (b) 25 cm (c) 16 cm (d) 32 cm

3). A man buys two watches 'A' and 'B' at a total cost of Rs. 800. He sells both watches at the same selling price, and earns a profit of 18% on watch 'A' and incurs a loss of 22% on watch 'B'. What are the cost prices of the two watches? (two place after decimal).

- (a) A = Rs. 350.32 and B = Rs. 450.68
(b) A = Rs. 318.37 and B = Rs. 481.63
(c) A = Rs. 220 and B = Rs. 580
(d) A = Rs. 317 and B = Rs. 483

4). The cost price of goods, for a shopkeeper, was "m". He marked them at 15% above the cost price. Finally, he sold the goods at a discount of 25%. 'What is his profit/loss percentage?'

- (a) 13% Loss (b) 12% Profit (c) 13.5% Profit
(d) 13.75% Loss

5). The following table shows the age-wise brand ownership of mobile phone handsets.

Brands	1 year old	1 to 2 years old	2 to 5 years old	More than 5 years old
A	15%	45%	40%	
B	5%	15%	25%	55%
C	10%	10%	10%	70%
D	25%	55%	20%	
E	15%	50%	20%	15%

If a total of 5000 'C' mobile phone sets are sold till date, then how many are more than one year old?

- (a) 4200 (b) 4500 (c) 4350 (d) 4000

- 6). The following table shows the number of employees working in various departments of an organization from 2016 to 2019.

Years	Production	Marketing	Corporate	Research
2016	500	130	50	145
2017	940	146	60	140
2018	1000	160	70	146
2019	1010	150	75	150

In which year were the maximum number of employees working in the organization?

- (a) 2019 (b) 2017 (c) 2016 (d) 2018

- 7). AB is a diameter of a circle with centre O. The tangent at a point C on the circle meets AB produced at Q. If $\angle CAB = 42^\circ$, then what is the measure of $\angle CQA$?

- (a) 5° (b) 7° (c) 6° (d) 17°

- 8). If radius of a circle is decreased by 11%, then the total decrease in the area of the circle is given as:

- (a) 19.50% (b) 20.79% (c) 20.50% (d) 21%

- 9). If the perimeter of a certain rectangle is 50 units and its area is 150 sq. unit, then how many units is the length of its shorter side?

- (a) 9 (b) 12 (c) 10 (d) 15

- 10). The value of $1\frac{1}{8} \div \left(4\frac{1}{4} \div \frac{3}{5} \text{ of } 8\frac{1}{2}\right) - \frac{2}{5} \times 1\frac{1}{3} \div \frac{4}{5} \text{ of } 1\frac{2}{3} + \frac{11}{20}$ is:

- (a) $3\frac{1}{2}$ (b) $1\frac{1}{2}$ (c) $1\frac{1}{4}$ (d) $3\frac{1}{8}$

- 11). Expand: $\left(\frac{x}{3} + \frac{y}{5}\right)^3$?

(a) $\frac{x^3}{27} + \frac{x^2y}{25} + \frac{xy^2}{25} + \frac{y^3}{125}$

(b) $\frac{x^3}{25} + \frac{x^2y}{15} + \frac{xy^2}{25} + \frac{y^3}{125}$

(c) $\frac{x^3}{27} + \frac{xy}{15} + \frac{xy^2}{25} + \frac{y^3}{125}$

(d) $\frac{x^3}{27} + \frac{x^2y}{15} + \frac{xy^2}{25} + \frac{y^3}{125}$

- 12). If 7 divided a positive integer n, the remainder is 2. Which of the following numbers gives a remainder of 0 when divided by 7?

- (a) $n - 5$ (b) $n + 5$ (c) $n + 2$ (d) $n + 1$

- 13). The following table shows the annual profit of a company (in Rs. lakh).

2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
625	690	725	775	815

The period which has the maximum percentage increase in profit over the previous year is:

- (a) 2016 -2017 (b) 2017 -2018 (c) 2018 -2019
(d) 2015 -2016

- 14). If $3 \sec^2 \theta + \tan \theta = 7, 0^\circ < \theta < 90^\circ$, then the value of $\frac{\cos \sec 2\theta + \cos \theta}{\sin 2\theta + \cot \theta}$ is:

(a) $\frac{2+3\sqrt{2}}{2}$ (b) $\frac{3+\sqrt{2}}{2}$ (c) $\frac{2+\sqrt{2}}{4}$

(d) $\frac{2+\sqrt{3}}{2}$

- 15). A contract is to be completed in 75 days and 187 men are to work 15 hours per day. After 65 days, $\frac{3}{5}$ of the work is completed. How many additional men may be employed, so that the work may be completed in time, each man now working 17 hours per day?

- (a) 532 (b) 495 (c) 528 (d) 514

- 16). If $a^2 + b^2 + c^2 = 300$ and $ab + bc + ca = 50$, then what is the value of $a + b + c$? (Given that a, b and c are all positive.)

- (a) 22 (b) 20 (c) 25 (d) 15

- 17). In $\triangle ABC$, D, E and F are the midpoints of sides AB, BC and CA, respectively. If AB = 12 cm, BC = 20 cm and CA = 15 cm, then the value of $(1/2)(DE + EF + DF)$ is:

- (a) 23.5 cm (b) 11.75cm (c) 15.67 cm
(d) 5.88 cm

(Correct to two decimal places)

- (a) 8.69% (b) 7.69% (c) 7.29% (d) 7.92%

- 18). The following table shows the percentage of marks obtained by seven students in six different subjects in an examination.

Students	Maths	Chemistry	Physics	Geography	History	Computer Science
	Maximum mark = 150	Maximum mark = 130	Maximum mark = 120	Maximum mark = 100	Maximum mark = 110	Maximum mark = 90
Ankit	100	80	80	40	40	70
Aman	90	50	90	60	90	80
Ayush	80	65	70	70	80	70
Rohit	90	60	80	95	60	60
Tamir	80	65	65	80	40	60
Tarun	70	75	85	77	50	90
Muskan	65	35	50	85	80	80

What are the average marks obtained by all the seven students in Physics? (rounded off to two digits after the decimal)

- (a) 85.12 (b) 75.90 (c) 80.15 (d) 89.14

- 19). If $x + y + z = 10$ and $xy + yz + zx = 15$, then find the value of $x^3 + y^3 + z^3 - 3xyz$.

- (a) 660 (b) 525 (c) 550 (d) 575

- 20). A sum lent out at compound interest amounts to Rs. 1,250 in one year and to Rs. 1,458 in 3 years at a rate percentage p.a. What is the

simple interest on the same sum for $5\frac{2}{5}$ years

at the same rate of interest?

- (a) Rs. 600 (b) Rs. 520 (c) Rs. 500 (d) Rs. 480

- 21). If in 13 years a fixed sum doubles at simple interest, what will be the interest rate per year?

- 22). Anu spends 68% of her monthly income. If her monthly income increases by 20% and her monthly savings increase by $9\frac{3}{8}\%$, then the

percentage increase in her monthly expenditure is:

- (a) 20% (b) 25% (c) 22% (d) 32%

- 23). If $(\sin A + \cos A)/\cos A = 17/12$, then the value of $(1 - \cos A)/\sin A$ is:

- (a) -5 (b) 1 (c) $5/12$ (d) $1/5$

- 24). The two trains leave Varanasi for Lucknow at 11:00 a.m. and 11:30 a.m., respectively and travel at a speed of 110 km/h and 140 km/h, respectively. How many kilometers from Varanasi will both trains meet?

- (a) $255\frac{1}{3}$ km (b) $238\frac{2}{3}$ km (c) $246\frac{1}{3}$ km
(d) $256\frac{2}{3}$ km

- 25). In quadrilateral PQRS, $RM \perp QS$, $PN \perp QS$ and $QS = 6$ cm. If $RM = 3$ cm and $PN = 2$ cm, then the area of PQRS is:

- (a) 13 cm^2 (b) 15 cm^2 (c) 14 cm^2 (d) 11 cm^2