SSC COMBINED GRADUATE LEVEL (CGL) TIER-I EXAM, (SECOND SITTING) 16-08-2015) – PREVIOUS YEAR PAPER

GENERAL AWARENESS

1. The substrate of Photorespiration is :
   (1) Fructose
   (2) Pyruvic acid
   (3) Glycolate
   (4) Glucose

   Solution:3

2. In mountainous areas a natural cause for road blocks is often :
   (1)road repairs and construction
   (2) land slides
   (3) tree felling
   (4) traffic congestion

   Solution:2

3. Match the following :

I	II
A. Chlorophyll	1. Plant Disease
B. Nostoc	2. Photosynthetic
C. Transpiration	3. Diazotroph
D. Rust of wheat	4. Loss of water from plant surface

   (1)A, B, C, D
   (2)A, B, C, D
   (3)A, B, C, D
   (4)A, B, C, D

   Solution:3

4. Match the following :

I Crops	II First in the world
A. Rice	1. Brazil
B. Maize	2. Malaysia
C. Rubber	3. China
D. Sugarcane	4. U.S.A.

(1)A-1, B-3, C-4, D-2
(2)A-2, B-1, C-3, D-4
(3)A-3, B-4, C-2, D-1
(4)A-4, B-2, C-1, D-3

Solution:3

5. Movement of people from a village to a small town and later to a city is known as :
(1) intra–state migration
(2) step–wise migration
(3) inter–state migration
(4) forced migration

Solution:2

6. The purpose of choke in a fluorescent lamp is :
(1) to increase the current flow
(2) to decrease the current flow
(3) to decrease the resistance
(4) ro decrease the voltage momentarily

Solution:2

7. Headquarter of European Union (EU) is situated in :
(1) Paris (France)
(2) Munich (Germany)
(3) Brussels (Belgium)
(4) Milan (Italy)

Solution:3

8. The Thirteenth Pravasi Bhartiy Divas was held on 8th and 9th January 2015 at:
(1) Indore
(2) Bangaluru
(3) New Delhi
(4) Gandhinagar

Solution:4

Note: The Information Provided here is only for reference. It May vary the Original.

9. Who was the Nawab of Bengal during "Battle of Plassey"?
(1) Mir Jafar
(2) Mir Qasim
(3) Siraj–ud–duala
(4) None of these

Solution:4

10. In the case of deadlock between the two houses paraliament, the joint sitting is presided over by the :
(1) President
(2) Senior most member of Lok Sabha
(3) Speaker of Lok Sabha
(4) Vice President

Solution:3

11. man Booker Prize for 2014 is awarded to :
(1) Amrita Pritam
(2) Shashi Tharoor
(3) Lech Walesa
(4) Richard Flanagan

Solution:4

12. The National Police Academy is located ay :
(1) Dehradun
(2) Hyderabad
(3) Bangalore
(4) Abu Road

Solution:2

13. The mercury and sodium street lamps light up because of :
(1) Atomic emission
(2) Atomic absorption
(3) Electron emission
(4) Electron absorption

Solution:1

14. A person can jump higher on the moon's surface than on the earth because :
(1) the moon's surface is rough
(2) the acceleration due to gravity in moon is smaller than that on the earth.
(3) the moon is cooler than earth

(4) the moon has no atmosphere

Solution:2

15. "Wall Street" is the name of the :
(1) Stock Exchange of New York
(2) Indian Township in Washington
(3) Super market in Mumbai
(4) Stock Exchange of kolkata

Solution:1

16. Kautilya's "Arthashastra" mainly deals with..... :
(1) Political state craft
(2) Social aspects
(3) Economic doctrines
(4) Military aspects

Solution:1

17. Who of the following became a member of the "Din–i–Ila-hi" ?
(1) Todarmal
(2) Raja Birbal
(3) Raja Man Singh
(4) Tansen

Solution:2

18. Which one of the following is not a feature of Indifference Curve?
(1) They do not intersect each other
(2) They slope downwards to the right
(3) They are parallel to each other
(4) They are concave to each other

Solution:4

19. Which of the following refers to the white salt which covers the land in some areas during dry season?
(1) usar
(2) reh
(3) erg
(4) reg

Solution:2

20. The first Sultan of Delhi to issue regular currency and declare Delhi as the capital

of his empire was :
(1) Etutmish
(2) Alarn Shah
(3) Qutbuddin Aibak
(4) Balban

Solution:1

21. The soft silvery metalic element which ionizes easily when heated or exposed to light and is present in atomic clocks is :
(1) Cerium
(2) Cesium
(3) Calcium
(4) Califonrium

Solution:2

22. Which one of the following is an indigenously built light combat aircraft of India?
(1) Akash
(2) Vikrant
(3) Arjun
(4) Vikrant

Solution:4

23. Which of the following is not correct about Mahatma Gandhi?
(1) Gandhi advocated complete sepration of politics from religion.
(2) Gandhi believed in nonviolence
(3) Gandhi believed in nthe sanctity of means.
(4) Gandhi supported close relation between religion and politics.

Solution:1

24. The only AICO session Gandhiji presided was held at :
(1) Calcutta
(2) Madras
(3) Belgaum
(4) Lahore

Solution:3

25. The Indian Constitution provides the country with three categories of civil services, namely :
(1) all India, central and state services
(2) administrative, railway

(3) administrative, police and revenue services
(4) administrative, police and foreign services

Solution:4

26. B—Diversity is also known as :
(1) Within habitat diversity
(2) Ecosystem diversity
(3) Global diversity
(4) Between habitat diversity

Solution:2

27. In a Database Managemnt System (DBMS), the content and the location of the data is defined by the.....
(1) Multi Dimensional data
(2) Sequence data
(3) Meta data
(4) Sub data

Solution:3

28. Which one of these animals is jawless :
(1) Sphyrna
(2) Trygon
(3) Myxine
(4) Shark

Solution:3

29. Competition for food, light and space is most severe in:
(1) Distantly related species growing in different habitats
(2) Closely related species growing in the same area or niche
(3) Closely related species growing in different habitats
(4) Distantly related species growing in the same habitats

Solution:2

30. What is Amnesty International?
(1) An Animal Rights Protection Organization
(2) A peace Movement
(3) An Environment Protection Organization
(4) A Human Rights Organization

Solution:4

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31. Rotation of crops is essential :
(1) For increasing the quantity of minerals.
(2)For decreasing the quantity of proteins.
(3)For getting different kinds of crops.
(4) For increasing fertility of the soil.

Solution:4

32. Catalytic converters are generally made from :
(1) Alkaline metals
(2) Hydrogen
(3) Transition metals
(4) Carbon

Solution:3

33. The green colour seen in firework displays is due to the chloride salt of :
(1) Sodium
(2) Strontium
(3) Barium
(4) Calcium

Solution:3

34. The difference in the value of visible exports and visible imports is called :
(1) Balance Sheet of items
(2) Balance of Payments
(3) Balance of Trade
(4) Balance of Account

Solution:3

35. Which of the following country has the longest overland tunnel?
(1) Germany
(2) Switzerland
(3) Spain
(4) France

Solution:2

36. Addition oxcessive amounts of heat to a lake is referred to as :
(1) Refrigeration effect
(2) Green House effect
(3) Thermal pollution
(4) Heat Bloom

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Solution:3

37. The apparent weight of a man in a lift is less the real weight when
(1) the lift is going up with an acceleration
(2) the lift is going down with uniform speed
(3) the lift is going up with uniform speed
(4) the lift is going down with an acceleration

Solution:4

38. The remedies to soil erosion are :
I. Contour bunding
II. Regulation of land use
III. Cutting of trees
IV. Allowing grazing of animals
(1) I, III
(2) I, II
(3) III, IV
(4) II, III

Solution:2

39. Afla toxins are produced by
(1) Bacteria
(2) Algae
(3) Viruses
(4) Fungi

Solution:4

40. What according to Communism is the chief enemy of the society?
(1) Private property
(2) Religion
(3) Surplus value
(4) Capitalist class

Solution:1

41. Which one of the following is the infective stage of the Malarial Parasite?
(1) schigozoite
(2) trophozoite
(3) sporoblast
(4) sporozoite

Solution:4

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42. Jaspal Rana is the name associated with which of the following games :
(1) Shooting
(2) Weight lifting
(3) Boxing
(4) Archey

Solution:1

43. One of the regions that receives rainfall from the North—Easterly monsoon is :
(1) West Bengal
(2) Assam
(3) Kerala
(4) Tamil Nadu

Solution:4

44. The author of the book "Zest for Life" is :
(1) Emile Zola
(2) H.G. Walls
(3) Virginia Wolf
(4) Mark Twain

Solution:1

45. When income increase, consumption also increases :
(1) in a lower proportion
(2) in a higher proportion
(3) in the same proportion
(4) None of the options

Solution:1

46. Rainbows are produced when sunlight :
(1)Incident on rain drops hanging in the atmosphere is dispersed after suffering refraction
(2) Incident on rain drops hanging in the atmosphere is dispersed after suffering refraction and internal reflection.
(3) incident on raindrops hanging in the atmosphere is dispresed after suffering reflection.
(4) None of the given statements is correct.

Solution:2

47. From the national point of view which of the following indicates Micro Approach?
(1) Per capita income in India

(2) Study of sales of TISCO
(3) Inflation in India
(4) Educated Unemployment in India

Solution:2

48. Ecosystem consists of :
(1) A biotic community and its non–living elements
(2) Population
(3) A population and its nonliving elements
(4) A biotic community

Solution:1

49. What is the speciality of WINDOWS–NT?
(1) supports real–time processing
(2) supports LAN and WAN
(3) supports Batch processing
(4) supports multi–processing

Solution:4

50. Which of the following comes under the jurisdiction of both the High Court, and the Supreme Court?
(1)Disputes between the states inter se
(2)Protection against the violation of the Constitution
(3) Protection of Fundamental Rights
(4) Disputes between Centre and the States

Solution:3

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ENGLISH COMPREHENSION

Directions (1-5) : In the following questions, you have a brief passage with 5 questions following the passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.

PASSAGE

In September 2011, Hindustan Times did a study in Delhi and reported that the number of malaria (and dengue) cases at the time were actually thrice as many as revealed by the city authorities. Earlier, in Mumbai, a municipal claim that 145 people died due to malaria in 2010 was exposed a lie after Praja, a city NGO, extracted figures from the municipality itself.

Following an RTI petition, Praja revealed 1190 deaths. This seems to be a habit. A paper in the leading UK medical journal The Lancet, published following nationwide interviews undertaken by an international team, reveals that the number of malarial deaths all over India every year may be as high as 205,000, which is many times the World Health Organization's figure of about 15,000, of the National Vector Borne Disease Control Programme's figure of just around 1000.

While the Lancet paper has been disputed, it is clear that there must be gross under-reporting of malarial deaths. Wouldn't that be one of the big reasons why malaria, which is easily cured if properly treated after timely diagnosis, continues to kill so many Indians ?

1. One of the big reasons for malarial death is :
   (1)lack of proper treatment
   (2) under-reporting of malarial deaths
   (3)untimely diagnosis
   (4) over-reporting of malarial deaths

   Solution:2

2. The Lancet is a:
   (1) newspaper
   (2) medical book
   (3) magazine
   (4) journal

   Solution:4

3. What is "the habit" mentioned in the passage?
   (1) Exposing the authority's incompetence
   (2) Hiding the real figures of malaria cases
   (3) Filing RTIs

(4) Conducting studies and surveys in towns and cities

Solution:2

4. The findings of The Lancet were published after :
(1) the international team left India
(2) international reviews of the findings were done
(3) proper verifications of the findings were done
(4) nationwide interviews were carried out

Solution:4

5. The Hindustan Times found that the number of malaria cases in 2011 was:
(1) twice than the numbers revealed by the authorities
(2) three times the numbers revealed by the authorities
(3) half the numbers revealed by the authorities
(4) exactly as the numbers revealed by the authorities

Solution:2

Directions (6-8) : In the following questions, choose the word opposite in meaning to the given word.

6. ARROGANT
(1) proud
(2) selfish
(3) modest
(4) haughty

Solution:3

7. ECCENTRIC
(1) normal
(2) carefree
(3) unusual
(4) peculiar

Solution:1

8. ZENITH
(1) nadir
(2) shallow
(3) low
(4) bottom

Solution:1

Directions (9-11) : In the following questions, out of the four alternatives,

choose the one which best expresses the meaning of the given word.

9. RESURGENCE
(1) relocation
(2) repletion
(3) renewal
(4) reluctance

Solution:3

10. DAMP
(1) light
(2) clear
(3) wet
(4) complicated

Solution:3

11. INGENUOUS
(1) careless
(2) candid
(3) creative
(4) crafty

Solution:2

Directions (12-16) : In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four as your answer.

12. He will impart no information .....anyone.
(1) from
(2) for
(3) with
(4) to

Solution:4

13. The United Kingdom .....England, Wales, Scotland and Northern Ireland.
(1) comprises of
(2) comprises
(3) combines
(4) consists

Solution:2

14. Jim suffered a..... of fortune.

(1) reversal
(2) reverse
(3) revert
(4) regress

Solution:1

15. He was .....by nature and so avoided all company,
(1) anti-social
(2) timid
(3) gregarious
(4) cordial

Solution:2

16. Jyoti refused to be..... by her long illness.
(1) dispersed
(2) dispensed
(3) dispatched
(4) dispirited

Solution:4

Directions (17-21) : In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is the answer. If a sentence is free from error, your answer is No error.

17. Several guests noticed Mr. Sharma falling back in his chair and gasping for breath.
(1) falling back in his chair
(2) Several guests noticed Mr. Sharma
(3) and gasping for breath
(4) No error

Solution:4

18. We have finished our work three hours ago and have been waiting for you since then.
(1) three hours ago and have been waiting
(2)We have finished our work
(3) for you since then
(4) No error

Solution:2

19. Many a man want to be rich quickly.

(1) rich quickly
(2) want to be
(3) Many a man
(4) No error

Solution:2

20. The Russian ambassador's whereabouts is not known to anyone.
(1) No error
(2)The Russian ambassador's
(3) not known to anyone
(4) where abouts is

Solution:1

21. A study is going underway to 'determine the exact concentration of lead in the water supply.
(1)to determine the exact concentration
(2) No error
(3) of lead in the water supply
(4) A study is going underway

Solution:4

Directions (22-31) : In the following questions, a sentence/ part of the sentence is printed in **bold**. Below are given alternatives to the **bold** sentence/ part of the sentence which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is **No Improvement.**

22. I was **struck by his singular appearance.**
(1) struck by his single appearance
(2) struck by how he singularly appears
(3) No Improvement
(4) had stricken his single appearance

Solution:3

23. **The blue whale was thriving in all of the world's oceans until the turn of the century**, at which time they became hunted to the point of extinction.
(1) The blue whale was thriving in all of the world's oceans up until the turn of the century
(2) At the turn of the century, blue whales were thriving in all of the world's oceans.
(3) Blue whales were thriving in all of the world's oceans until the turn of the century

(4) No Improvement

Solution:3

24. We **have been retracing** our steps to the log cabin ten minutes ago.
(1) will be retracing
(2) have to retrace
(3) had to retrace
(4) No Improvement

Solution:3

25. I hope you will be able to **steer ahead** of the anti-social elements.
(1) steer clear
(2) steer free
(3) steer out
(4) No Improvement

Solution:1

26. He bowed down **at the altar**.
(1) next to the altar'
(2) No Improvement
(3) before tlie altar
(4) infront of the altar

Solution:3

27. They were **being commanded** to wait till the signal was given.
(1) commanded
(2) command
(3) given command
(4) No Improvement

Solution:1

28. River Damodar in West Bengal **carry the effluents** from the Durgapur Industrial complex for miles.
(1) No Improvement
(2) carries the effluents
(3) carries the effluence
(4) carried the effluents

Solution:2

29. The climate of Shillong is somewhat **like Kohima.**

(1) as Kohima
(2) as Kohima's
(3) No Improvement
(4) like Kohima's

Solution:4

30. John decided to go to the Advocate General **to clear his name** of the accusation.
(1) to clean his name
(2) to cleared his name
(3) to wash his name
(4) No Improvement

Solution:4

31. He **could not be able** to think logically because of his illness.
(1) was not able
(2) No Improvement
(3) cannot be able
(4) can be unable

Solution:1

Directions (32-36) : In the following questions, four alternatives are given for the Idiom/ Phrase printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

32. He and his neighbour are always **at loggerheads**.
(1) agree on everything
(2) disagreeing on everything
(3) aloof from each other
(4) abusing each other

Solution:2

33. I am going to stay at home because I am feeling **under the weather** today.
(1) unhappy
(2) depressed
(3) irritated
(4) sick

Solution:4

34. Even in the middle of the fire he **kept a level head.**
(1) was impulsive
(2) was sensible

(3) was crazy
(4) was self centred

Solution:2

35. The winning team decided to **go for the jugular** in the last quarter of the match.
(1) forfeit the match
(2) give easy opportunities to the opposite team
(3)give reserve players a chance
(4) attack all out

Solution:4

36. Everybody thought Asha and Ashok were a happy couple, but it was all just **make believe.**
(1) hatred
(2) treachery
(3) reality
(4) pretence

Solution:4

Directions (37-38) : In the following questions, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word.

37. (1) fortuitous
(2) comissioned
(3) resurgense
(4) haphazzard

Solution:1

38. (1) gruesom
(2) merth
(3) appretiate
(4) connoisseur

Solution:4

Directions (39-43) : In the following questions, you have a brief passage with 5 questions following the passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.

PASSAGE

The capitalist system does not foster healthy relations among human beings. A few people own all the means of production and others have to sell their labour under conditions imposed upon them. The emphasis of capitalism being on the supreme

importance of material wealth, the intensity of its appeal is to the acquisitive tendency. It promotes worship of economic power with little regard to the means employed for its acquisition and the end that it serves. By its exploitation of human beings to the limits of endurance its concentration is on the largest profit rather than maximum production. Thus the division of human society is done on the basis of profit motive. All this is injurious to human dignity. And when the harrowed poor turn to the founders of religion for succour, they rather offer a subtle defense for the established order. They promise future happiness for present suffering. They conjure up visions of paradise to soothe the suffering majority and censure the revolt of the tortured men. The system imposes injustice, the religion justifies it.

39. In a capitalist system :
(1) means which lead to exploitation are strictly prohibited
(2) the means justify the ends
(3) the means endorsed by religion are strictly followed
(4) the ends justify the means

Solution:4

40. Capitalism divides society into the two categories of
(1) religions and irreligious people
(2) working and non-working people
(3) buyers and sellers
(4) exploiters and exploited people

Solution:4

41. The passage indicates that the capitalist system is :
(1) dehumanising
(2) ambitious
(3) fair
(4) prosperous

Solution:1

42. In a capitalist system of society each man wishes :
(1) to soothe the sufferings of other
(2) to have visions of paradise
(3) to acquire maximum wealth
(4) to produce maximum wealth

Solution:3

43. The established order is supported by religion to :

(1) alleviate the suffering of the poor in the capitalist system
(2) help the tortured men to seek redress
(3) balance the suffering of the poor with hopes of future reward
(4) perpetuate the injustice imposed by the capitalist system

Solution:4

Directions (44-50) : In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentence.

44. To die without making a will.
(1) Inure
(2) Inane
(3) Intestate
(4) Indigent

Solution:3

45. One who is concerned with the welfare of others.
(1) Ascetic
(2) Hedonist
(3) Egoist
(4) Altruist

Solution:4

46. That which cannot be avoided.
(1) Inevitable
(2) Unrestrained
(3) Unvarying
(4) Integral

Solution:1

47. A person who agrees to work for somebody in order to learn a skill.
(1) Lackey
(2) Pupil
(3) Apprentice
(4) Assistant

Solution:3

48. Opinion contrary to accepted doctrines.
(1) Controversy
(2) Advocacy
(3) Heresy

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(4) Convention

Solution:3

49. Make pale by excluding light.
(1) Foliate
(2) Percolate
(3) Procreate
(4) Etiolate

Solution:4

50. Someone who is designated to hear both sides of a dispute and make a judgement.
(1) Counsellor
(2) Arbitrator
(3) Magistrate
(4) Manager

Solution:2

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GENERAL INTELLIGENCE & REASONING

1. After interchanging + and –, 8 and 7, which one of the following becomes-correct?
   (1) $8 - 7 + 3 \times 5 = 35$
   (2) $7 \times 8 + 6 - 9 = 25$
   (3) $6 + 8 \times 2 - 7 = 0$
   (4) $8 \times 2 + 7 - 6 = 9$

Solution:3

. 3 Option (1)

$8 - 7 + 3 \times 5 = 35$

$\Rightarrow 7 + 8 - 3 \times 5 = 35$

$\Rightarrow 7 + 8 - 15 \neq 35$

Option (2)

$7 \times 8 + 6 - 9 = 25$

$\Rightarrow 8 \times 7 - 6 + 9 = 25$

$\Rightarrow 56 - 6 + 9 \neq 25$

Option (3)

$6 + 8 \times 2 - 7 = 0$

$\Rightarrow 6 - 7 \times 2 + 8 = 0$

$\Rightarrow 6 - 14 + 8 = 0$

$\Rightarrow 14 - 14 = 0$

Option (4)

$8 \times 2 + 7 - 6 = 9$

$\Rightarrow 7 \times 2 - 8 + 6 = 9$

$\Rightarrow 14 - 14 \neq 9$

Directions (2-7) : In each of the following questions, select the related word/letters/number from the given alternatives.

2. 4 : 17 : : 7 : ?
   (1) 50
   (2) 48
   (3) 49
   (4) 51

Solution:1

(1) The relation is :
$x : x^2 + 1$
$4 : (4)^2 + 1$
$\Rightarrow 4 : 17$
Similarly,
$7 : (7)^2 + 1$
$\Rightarrow 7 : 50$

3. Kidneys : Nephron : : Central Nervous System : ?
(1) Spinal cord
(2) Cerebrum
(3) Brain
(4) Neurons

Solution:4

(4) Nephron is the basic structural and functional unit of the kidney. Similarly, neuron is the basic structural and functional unit of the Central Nervous System.

4. P : 4 : : V^2 : ?
(1) 9
(2) 25
(3) 49
(4) 16

Solution:2

(2) The position of Y from the right end of the English alphabetical series is 2 and that of V is 5.
$(2)^2 = 4$ and $(5)^2 = 25$

5. DFHJ : WUSQ : : HJLN : ?
(1) PRTW,

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(2) RTVX
(3) SQOM
(4) TWYZ

Solution:3

5. (3)

Pairs of opposite letters.
Similarly,

6. Insects : Entomology : : Snakes : ?
(1) Agrology
(2) Ophiology
(3) Mycology
(4) Cetology

Solution:2

(2) Entomology is that branch of science which deals with insects. Similarly, the scientific study of snakes is called ophiology.

7. JOKE : GLHB : : RISK : ?
(1) OFPH
(2) SJTL
(3) ULVN
(4) QHRJ

Solution:1

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(1)

Similarly,

Directions (8-10) : In each of the following questions, identify the diagram that best represents the relationship among classes given below :

8. Languages, English, and Kannada

Solution:4

(4) English is different from Kannada. But both are included in the class languages.

9. Professors, Researchers, Scientists

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(1) (2) (3) (4)

Solution:4

(4) Some professors may be researchers and vice–versa.
Some professors may be scientists and vice–versa.
Some researchers may be scientists and vice–versa.
Some professors who are researchers may be scientists.
Some researchers who are scientists may be professors.

10. Tigers, Lions, Animals

(1) (2) (3) (4)

Solution:3

(3) Tiger is different from lion. But both are animals.

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Directions (11-15) : In each of the following questions, select the missing number from the given responses.

11.

1	216	343
8	125	512
27	64	?
35	401	1575

(1) 575
(2) 729
(3) 340
(4) 615

Solution:2

(2) First Column
$1 + 8 + 27 = 36$
$\Rightarrow 36 - 1^2 = 35$
Second Column
$216 + 125 + 64 = 405$
$\Rightarrow 405 - 2^2 = 401$
Third Column
$343 + 512 + ? = 1575 + 3^2$
$\Rightarrow 855 + ? = 1584$
$\Rightarrow ? = 1584 - 855 = 729$

12.

2	3	8
4	5	10
6	7	12
32	50	?

(1) 128
(2) 92
(3) 200
(4) 30

Solution:3

Note: The Information Provided here is only for reference. It May vary the Original.

(3) First Column
$(2 \times 4) + (4 \times 6)$
$\Rightarrow 8 + 24 = 32$
Second Column
$(3 \times 5) + (5 \times 7)$
$\Rightarrow 15 + 35 = 50$
Third Column
$(8 \times 10) + (10 \times 12)$
$\Rightarrow 80 + 120 = 200$

13.

4	3	2	8	32
5	3	1	9	24
7	3	3	7	70
2	9	4	12	?

(1) 84
(2) 120
(3) 27
(4) 60

Solution:1

(1) First Row
$4 \times 3 \times 2 + 8$
$\Rightarrow 24 + 8 = 32$
Second Row
$5 \times 3 \times 1 + 9$
$\Rightarrow 15 + 9 = 24$
Third Row
$7 \times 3 \times 3 + 7$
$\Rightarrow 63 + 7 = 70$
Fourth Row
$2 \times 9 \times 4 + 12$
$\Rightarrow 72 + 12 = 84$

14.

(1) 84
(2) 104
(3) 94

(4) 74

Solution:1

(1) First Figure
$(11 \times 12) - (6 \times 9)$
$\Rightarrow 132 - 54 = 74$
Second Figure
$(14 \times 10) - (7 \times 8)$
$\Rightarrow 140 - 56 = 84$

15.

(1) 23
(2) 27
(3) 25
(4) 26

Solution:4

(4) $5 = 2^2 + 1$
$10 = 3^2 + 1$
$26 = 5^2 + 1$
$50 = 7^2 + 1$
$122 = 11^2 + 1$

16. Select the answer figure in which the question figure is hidden.
Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:2

(2)

Directions (17-18) : In each of the following questions, among the four answer figures which can be formed from the cut out pieces given in question figure.

17. Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:4

(4)

18. Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:4

(4)

19. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

BR _ _ NB _ o _ NB

(1) OWOW

(2) RORO
(3) WNWN
(4) OWRW

Solution:4
(4)

B R [O W] N/B [R] O [W] N/B

20. If a paper is folded in a particular manner and a punch is made, when unfolded this paper appears as given below in the question figure. Find out the manner in which the paper is folded and the punch is made from the answer figures given.
Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:4

(4)

21. If a paper is folded as shown in figure to form a cube, then the pairs of opposite faces are :
Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:3

(3) When paper is folded in the form of a cube, then

△ lies opposite ○
+ lies opposite ÷
▭ lies opposite ⏢

22. If '+' means '-', '-' means '×','×' means '÷' and '÷' means '+', which combination will give you the value of '0' in 42 * 4 * 12 * 20 * 9 ?

(1) − ÷ × +
(2) ÷ + − ×
(3) + − ÷ ×
(4) × − ÷ +

Solution:

(*)

+ ⇒ −	− ⇒ ×
× ⇒ +	÷ ⇒ +

Option (1)

$42 * 4 * 12 * 20 * 9$

$\Rightarrow 42 - 4 \div 12 \times 20 + 9$

After changing the signs

$42 \times 4 + 12 \div 20 - 9$

$$\Rightarrow 42 \times 4 + \frac{12}{20} - 9$$

$$\Rightarrow 168 + \frac{3}{5} - 9 \neq 0$$

Note: The Information Provided here is only for reference. It May vary the Original.

Option (2)
$42 * 4 * 12 * 20 * 9$
$\Rightarrow 42 \div 4 + 12 - 20 \times 9$
After changing the signs
$42 + 4 - 12 \times 20 \div 9$

$$\Rightarrow 42 + 4 - \frac{12 \times 20}{9}$$

$$\Rightarrow 42 + 4 - \frac{80}{3}$$

$$\Rightarrow 46 - \frac{80}{3} \neq 0$$

Option (3)
$42 * 4 * 12 * 20 * 9$
$\Rightarrow 42 + 4 - 12 \div 20 \times 9$
After changing the signs
$\Rightarrow 42 - 4 \times 12 + 20 \div 9$

Directions (23-25) : In each of the following questions, a series is given, with one/two term missing. Choose the correct alternative from the given ones that will complete the series.

23. FAX IEM LIO ?
(1) OMQ
(2) OPQ
(3) MNO
(4) NOP

Solution:1

(1) $F \xrightarrow{+3} I \xrightarrow{+3} L \xrightarrow{+3} \boxed{O}$
$A \xrightarrow{+4} E \xrightarrow{+4} I \xrightarrow{+4} \boxed{M}$
$K \xrightarrow{+2} M \xrightarrow{+2} O \xrightarrow{+2} \boxed{Q}$

24. 3, 5, 35, 10, 12, 35, _, _
(1) 19, 35
(2) 17, 19
(3) 19, 24
(4) 22, 35

Solution:2

(2) $3 \xrightarrow{+7} 10 \xrightarrow{+7} \boxed{17}$

$5 \xrightarrow{+7} 12 \xrightarrow{+7} \boxed{19}$

$35 \longrightarrow 35 \longrightarrow 35$

25. 36, 34, 30, 28, 24, ?
(1) 20
(2) 26
(3) 22
(4) 23

Solution:3

(3) 36 – 2 = 34
34 – 4 = 30
30 – 2 = 28
28 – 4 = 24
24 – 2 = 22

26. Raju drives 25 km North and turns left and travels 5 km and reaches point 'o'. He then turns right and covers another 5 kms. Afterwards turns to east and drives 5 km. How much distance he has to travel to go back to the starting point?
(1) 35 kms
(2) 25 kms
(3) 30 kms
(4) 20 kms

Solution:3

Note: The Information Provided here is only for reference. It May vary the Original.

(3)

Required distance AD
= (25 + 5) km = 30 km

27. Select from the alternatives an appropriate term that is identical to the term given in the question. ACEG
(1) IJLM
(2) OQSU
(3) BDEF
(4) GHJN

Solution:2
(2)

$A \xrightarrow{+2} C \xrightarrow{+2} E \xrightarrow{+2} G$

$I \xrightarrow{+1} J \xrightarrow{+2} L \xrightarrow{+1} M$

$O \xrightarrow{+2} Q \xrightarrow{+2} S \xrightarrow{+2} U$

$B \xrightarrow{+2} D \xrightarrow{+1} E \xrightarrow{+1} F$

$G \xrightarrow{+1} H \xrightarrow{+2} J \xrightarrow{+4} N$

28. Ann, Bill and Ken shared some stamps in the ratio 2 : 3 : 4. After a game the ratio became 5 : 2 : 2. If Ann won 21 stamps how many did Ken lose?
(1) 28
(2) 21 ,
(3) 7
(4) 14

Solution:4

(4) Difference between the ratios of Ann = 5 – 2 = 3
: 3 ⇒ 21

$\therefore \ : 1 = \frac{21}{3} = 7$

Ken lost : 2 stamps
: 2 = 2 × 7 = 14

29. Six members of a family namely A, B, C, D, E and F are travelling together. 'B' is the son of C but C is not the mother of B. A and C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B. How many male members are there in the family?
(1)3
(2) 2
(3) 4
(4) 1

Solution:3

(3) C is the father B.
A is the wife of C.
B, E and F are sons of A and C.
D is a girl.
Male members ⇒ A, B, E and F.

30. In a certain code language FASHION is coded as FOIHSAN. How is PROBLEM coded in that code?
(1) ROBLEMP
(2) RPBOELM
(3) PELBORM
(4) PRBOELM

Solution:3
(3)

Similarly,

31. In a certain code language `GARNISH' is written as `RGAINHS'. How will "GENIOUS" be written in that code?
(1) NEGIOUS
(2) ENGOIUS
(3) GENOISU
(4) NGEOISU

Solution:4
(4)

Similarly,

32. **Directions :** A word is represented by only one set of numbers as given in any one of the alternatives. The sets of the numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. A' can be represented by 03, 10 etc. and 'D' can be represented by 58, 65 etc. Similarly, you have to identify the set for the word **`BEAK'**

Matrix-I

	0	1	2	3	4
0	C	B	O	A	T
1	A	C	T	B	O
2	B	O	A	T	C
3	T	C	B	O	A
4	O	A	T	C	B

Matrix-II

	5	6	7	8	9
5	R	E	K	D	L
6	D	L	R	E	K
7	E	K	D	L	R
8	L	R	E	K	D
9	K	D	L	R	E

(1)44 75 22 88

(2) 44 88 10 73

(3) 20 10 87 57

(4) 32 76 75 22

Solution:1

(1)

B ⇒ 01, 13, 20, 32, 44

E ⇒ 56, 68, 75, 87, 99

A ⇒ 03, 10, 22, 34, 41

K ⇒ 57, 69, 76, 88, 95

Option	B	E	A	K
(1)	44	75	22	88
(2)	44	86	10	76
(3)	20	10	87	57
(4)	32	76	75	22

33. If a mirror is placed on the line MN, then which of the ar.s.wer figures is the right image of the given figure? Question Figure :

Answer Figures :

(1) (2) (3) (4)

Solution:2

(2)

Directions (34-38) : In each of the following questions, find the odd number/letters/number pair from the given alternatives.

34. (1) 428
(2) 338
(3) 326
(4) 339

Solution:2

(2) 428 ⇒ 4 × 2 = 8

338 ⇒ 3 × 3 = $\boxed{9}$

326 ⇒ 3 × 2 = 6

339 ⇒ 3 × 3 = 9

35. (1) Murder
(2) Kill
(3) Kidnap
(4) Assassinate

Solution:3

(3) Kidnap is different from other three words.

36. (1) IHJ
(2) LKM
(3) STR
(4) ONP

Solution:3

(3) $I \xrightarrow{-1} H \xrightarrow{+2} J$

$L \xrightarrow{-1} K \xrightarrow{+2} M$

$S \xrightarrow{+1} T \xrightarrow{-2} R$

$O \xrightarrow{-1} N \xrightarrow{+2} P$

37. (1) Berne
(2) Geneva
(3) Zurich
(4) Bristol

Solution:4

(4) Except Bristol, all others are cities of Switzerland. Berne is the capital of Switzerland.

38. (1) 34-30
(2) 44-31
(3) 61-12
(4) 25-21

Solution:2