



Timing: 120 minutes

## CENTURION DEFENCE ACADEMY TA (ENGLISH + GS) TEST PAPER

M.M: 50

### ENGLISH/ANTONYM EXERCISE

- Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.  
He is an industrious workman.  
(A) active (B) productive  
(C) lazy (D) disloyal
- Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.  
Plants grow in abundance here.  
(A) shrivel (B) stretch  
(C) spread (D) enlarge
- Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.  
She rarely comes here.  
(A) seldom (B) never  
(C) always (D) frequently
- Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.  
She is a rather crooked woman.  
(A) polite (B) generous  
(C) straightforward (D) happy
- Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.  
Spring is a time of plenty.  
(A) ugliness (B) scarcity  
(C) roughness (D) dryness

### ENGLISH/COMMON ERROR

- You have been given a sentence in which there is some error. you are required to find out that part sentence and mark it as your answer on the answer sheet. Error may be related to grammar, construction usage or anything else.  
(A) We must sympathize (B) for others  
(C) in their troubles (D) No error
- You have been given a sentence in which there is some error. you are required to find out that part sentence and mark it as your answer on the answer sheet. Error may be related to grammar, construction usage or anything else.  
(A) Had I not taken ill, (B) I would have sent you  
(C) my research paper much earlier (D) No error
- You have been given a sentence in which there is some error. you are required to find out that part sentence and mark it as your answer on the answer sheet. Error may be related to grammar, construction usage or anything else.  
(A) He had gone (B) home three weeks ago and was expected  
(C) back yesterday, but he has not come yet. (D) No error

9. You have been given a sentence in which there is some error. you are required to find out that part sentence and mark it as your answer on the answer sheet. Error may be related to grammar, construction usage or anything else.
- (A) The barn owl helps the farmer by destroying rats which could, if left unchecked, do a lot of damage to the crops. (B) rats which could, if left unchecked, destroying (C) do a lot of damage to the crops. (D) No error
10. You have been given a sentence in which there is some error. you are required to find out that part sentence and mark it as your answer on the answer sheet. Error may be related to grammar, construction usage or anything else.
- (A) I asked him that (B) why he was angry  
(C) but he did not answer (D) No error

#### ENGLISH/PASSIVE VOICE

11. *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*  
Robin would draw a picture in the competition.
- (A) In the competition Robin would have to draw a picture. (B) A picture in the competition would have been drawn by Robin.  
(C) In the competition Robin would be drawn a picture. (D) A picture would be drawn by Robin in the competition.
12. *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*  
The noise of the traffic kept me awake.
- (A) I remained awake by the noise of the traffic. (B) I was kept waking by the noise of the traffic.  
(C) I was kept awake by the noise of the traffic. (D) The traffic kept me awake by the noise.
13. *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*  
Prepare yourself for the worst.
- (A) You be prepared for the worst. (B) The worst should be prepared by yourself.  
(C) Be prepared for the worst. (D) For the worst, preparation should be made by you.
14. *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*  
They have cut all the telephone wires.
- (A) All the telephone wires will be cut. (B) All the telephone wires had been cut.  
(C) All the telephone wires have been cut. (D) All the telephone wires shall be cut.
15. *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*  
The shopkeeper lowered the prices.
- (A) The prices lowered the shopkeeper. (B) The prices were lowered by the shopkeeper.  
(C) Down went the prices. (D) The shopkeeper got down the prices.

#### ENGLISH/SENTENCE IMPROVEMENT EXERCISE

16. Each of the following sentences in this section has a blanks space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response the Answer Sheet accordingly.  
He is definitely the cleverer among the two.
- (A) in (B) of  
(C) than (D) No improvement
17. Each of the following sentences in this section has a blanks space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response the Answer Sheet accordingly.  
He is resembling his father.
- (A) has resembled (B) was resembling  
(C) resembles (D) No improvement

18. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

A majority of the passengers could have been saved if the driver had applied the brakes in time.

- (A) had been saved (B) may have been saved  
(C) could have saved (D) No improvement

19. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

I can be grateful if you could write to me about it.

- (A) would be (B) should be  
(C) must be (D) No improvement

20. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

Would you mind closing the window ?

- (A) to close (B) in closing  
(C) for closing (D) No improvement

#### ENGLISH/FILL IN THE BLANKS EXERCISE AND SPOTTING ERRORS

21. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

..... the broker had warned him that the stock was a ..... investment, he insisted on buying a thousand shares.

- (A) Because; prudent (B) Since; negligible  
(C) Although ;precarious (D) As ; vulnerable

22. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

The activities of the association have .....from the ..... objectives set for it in the initial years.

- (A) Grown ;simple (B) Deviated ;original  
(C) Details ; grand (D) Emerged ; total

23. Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select the word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

Those suffering from glaucoma find that their..... vision is and that they can no longer see objects not directly in front of them.

- (A) Optical ; distorted (B) Peripheral; demurred  
(C) Periphrastic; demurred (D) Peripatetic ; diminished

#### ENGLISH/IDIOMS AND PHRASES

24. Directions : Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d), whichever is the most appropriate and mark your response in your Answer Sheet accordingly.

A clarion call

- (A) A trumpet call (B) An intimidating voice  
(C) A strong request (D) An urgent order

25. Directions : Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d), whichever is the most appropriate and mark your response in your Answer Sheet accordingly.

Turn topsy-turvy

- (A) To completely change something (B) To completely evaluate something  
(C) To enjoy yourself greatly (D) To exhaust yourself completely

26. Directions : Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d), whichever is the most appropriate and mark your response in your Answer Sheet accordingly.

A hunky-dory situation

- (A) There are serious issues among people (B) There are no problems and people are happy  
(C) There is war and bloodshed all over (D) There is no work, only enjoyment

27. Directions : Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d), whichever is the most appropriate and mark your response in your Answer Sheet accordingly.

Fire in the belly

- (A) Fear and hatred (B) Powerful ambition  
(C) Love and dedication (D) Lethargy and indifference

28. Directions : Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d), whichever is the most appropriate and mark your response in your Answer Sheet accordingly.

Give somebody a leg up

- (A) To pull someone down (B) To deceive and betray someone  
(C) To help someone for their livelihood (D) To help someone to be successful

### ENGLISH/SPELLING TEST

29. Find the correctly spelt word.

- (A) Adviceable (B) Advisable  
(C) Advicable (D) Adviseable

30. Find the correctly spelt word.

- (A) Interegnum (B) Intregnum  
(C) Interregnum (D) Interregnim

31. Find the correctly spelt word.

- (A) Puerille (B) Puerrile  
(C) Puerile (D) Purrile

### ENGLISH/SYNONYMS EXERCISE

32. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is nearest in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

My daughter is my replica.

- (A) pride (B) clone  
(C) love (D) original

33. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is nearest in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

She undertook a reconnaissance of the entire issue.

- (A) revaluation (B) ratification  
(C) investigation (D) regularization

34. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is nearest in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

Arrogance is a hallmark of his nature.

- (A) concern (B) unpretentiousness  
(C) conceit (D) simplicity

35. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is nearest in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

The sardonic nature of her stories made her stand out among the contemporary writers.

- (A) compassionate (B) insightful  
(C) mocking (D) comic

36. Directions : Each item in this section consists of a sentence with an underlined word followed by four words. Select the option that is nearest in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

She is a patron of art and culture.

- (A) entrepreneur (B) admirer  
(C) critique (D) backer

#### ENGLISH/ONE WORD SUBSTITUTION

37. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

A name adopted by an author in his writings

- (A) Nickname (B) Pseudonym  
(C) Nomenclature (D) Title

38. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

Something that can be heard

- (A) Auditory (B) Audio-visual  
(C) Audible (D) Audition

39. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

A place where everything is perfect.

- (A) heaven (B) platoon  
(C) cosmos (D) utopia

40. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

A plant or animal living on another.

- (A) parasite (B) hydra  
(C) creeper (D) bush

41. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

A sweet music.

- (A) lullaby (B) melody  
(C) folk song (D) duet

#### ENGLISH/PASSAGE

42. Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage.

The rule of the road means that in order that the liberties of all may be preserved, the liberties of everybody must be curtailed. When the policeman, say, at a road-crossing steps into the middle of the road and puts out his hand, he is the symbol not of tyranny but of liberty. You have submitted to a curtailment of private liberty in order that you may enjoy a social order which makes your liberty a reality. We have both liberties to preserve — our individual liberty and our social liberty. That is, we must have a judicious mixture of both. I shall not permit any authority to say that my child must go to this school or that, shall specialize in science or arts. These things are personal. But if I say that my child shall have no education at all, then society will firmly tell me that my child must have education whether I like it or not.

The author is of the view that we should :

- (A) have absolute individual liberty without any (B) have everything controlled by the society  
restrictions imposed by the society without any kind of individual liberty  
(C) try to strike a sensible balance between (D) have more of social liberty than individual  
our individual liberty and our social liberty liberty

43. Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage.  
The rule of the road means that in order that the liberties of all may be preserved, the liberties of everybody must be curtailed. When the policeman, say, at a road-crossing steps into the middle of the road and puts out his hand, he is the symbol not of tyranny but of liberty. You have submitted to a curtailment of private liberty in order that you may enjoy a social order which makes your liberty a reality. We have both liberties to preserve — our individual liberty and our social liberty. That is, we must have a judicious mixture of both. I shall not permit any authority to say that my child must go to this school or that, shall specialize in science or arts. These things are personal. But if I say that my child shall have no education at all, then society will firmly tell me that my child must have education whether I like it or not.

According to the author, the "rule of the road" implies :

- (A) the rule regulating the traffic on the road (B) the principle on which a road is constructed to ensure safe traffic  
(C) unrestricted freedom for all to lead a happy life (D) restricted individual freedom to ensure freedom for all

44. Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage.  
The rule of the road means that in order that the liberties of all may be preserved, the liberties of everybody must be curtailed. When the policeman, say, at a road-crossing steps into the middle of the road and puts out his hand, he is the symbol not of tyranny but of liberty. You have submitted to a curtailment of private liberty in order that you may enjoy a social order which makes your liberty a reality. We have both liberties to preserve — our individual liberty and our social liberty. That is, we must have a judicious mixture of both. I shall not permit any authority to say that my child must go to this school or that, shall specialize in science or arts. These things are personal. But if I say that my child shall have no education at all, then society will firmly tell me that my child must have education whether I like it or not.

The author thinks that when a policeman signals you to stop on a road-crossing, he is :

- (A) behaving in a whimsical manner (B) interfering with your freedom to use the road  
(C) protecting the liberty of all to use the road (D) mischievously creating hurdles in your way from some personal motive

45. Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage.  
The rule of the road means that in order that the liberties of all may be preserved, the liberties of everybody must be curtailed. When the policeman, say, at a road-crossing steps into the middle of the road and puts out his hand, he is the symbol not of tyranny but of liberty. You have submitted to a curtailment of private liberty in order that you may enjoy a social order which makes your liberty a reality. We have both liberties to preserve — our individual liberty and our social liberty. That is, we must have a judicious mixture of both. I shall not permit any authority to say that my child must go to this school or that, shall specialize in science or arts. These things are personal. But if I say that my child shall have no education at all, then society will firmly tell me that my child must have education whether I like it or not.

The author holds that :

- (A) educating or not educating his child is a matter of personal liberty (B) educating or not educating his child is also a matter of social liberty  
(C) choosing the school for his child is a matter of social liberty (D) choosing the subject of study for his child is a matter of social liberty

46. Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage. There are still a few people in northern Europe who think that global warming might not be such a bad thing. In Britain, where summer can sometimes seem to last little more than a few weeks, many would welcome the idea of it getting a bit hotter. Unfortunately things are not so simple. Global warming doesn't just mean that the world will slowly get warmer. Paradoxically, it could cause certain areas to get colder - a lot colder. The latest predictions are that northern Europe could even be plunged into an ice age. While areas of south-eastern Europe, such as Greece, would continue to get hotter and drier, Britain could find itself, in the winter months at least, surrounded by sea ice. The reason for this concerns the Greenland ice sheet. This is one of the biggest expanses of ice in the world - around 1,500km long and 600km wide. It is so big that if it all melted sea levels would rise by 7 meters. Due to rising emissions of greenhouse gases, such as carbon dioxide from the combustion of fossil fuels, this ice sheet is melting at an alarming rate.

Which of the following statement is incorrect according to the passage?

- (A) The Greenland Ice sheet is melting at an alarming rate due to rising emissions of greenhouse gases. (B) Global warming can make colder place much colder leading them to the era of an ice age.
- (C) The Greenland Ice sheet is around 1,500km wide and 600km long. (D) If Greenland Ice sheet gets melt, the sea level would rise by 7 meters.

#### ENGLISH/PQRS

47. Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled P. Q. R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your answer.

- P. himself  
Q. a child  
R. can usually feed  
S. by the age of six months

The correct sequence should be

- (A) QPRS (B) SRQP  
(C) PQRS (D) QRPS

48. Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled P. Q. R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your answer.

- You'll  
P. know how to do it  
Q. have to  
R. because she does not  
S. help her

The correct sequence should be

- (A) QSPR (B) SRPQ  
(C) PQRS (D) QSRP

49. Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled P. Q. R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your answer.

- P. She  
Q. and neither have I  
R. the assignment yet  
S. hasn't finished

The correct sequence should be

- (A) QRSP (B) QPSR  
(C) PQSR (D) PSRQ

50. Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled P, Q, R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your answer.
- Every experience in life makes  
 P. on some of the cells  
 Q. or other nerve centres  
 R. of the brain  
 S. an impression
- The correct sequence should be  
 (A) SPRQ (B) QRSP  
 (C) RSPQ (D) PSQR
51. Movement of materials to different parts of cytoplasm and nucleus is generally carried out by/कोशिकाद्रव्य और केंद्रक के विभिन्न भागों में पदार्थों का संचलन सामान्यतः किसके द्वारा किया जाता है?  
 (A) Ribosomes./ राइबोसोम (B) Mitochondria./ माइटोकॉन्ड्रिया  
 (C) Lysosomes./ लाइसोसोम (D) Endoplasmic reticulum./ एंडोप्लाज्मिक रेटिकुलम
52. Squamous epithelial cells are found in the inner lining of/शल्की उपकला कोशिकाएँ किसके आंतरिक अस्तर में पाई जाती हैं?  
 (A) Oesophagus./ ग्रासनली (B) Small intestine./ क्षुद्रांत्र  
 (C) Ducts of salivary gland./ लार ग्रंथि की नलिकाएँ (D) Kidney./ वृक्क
53. In mitochondria, ATP synthesizing chemical reactions take place in the/माइटोकॉन्ड्रिया के किस भाग में ए.टी.पी. संश्लेषणकारी रासायनिक अभिक्रियाएँ होती हैं?  
 (A) Outer membrane./ बाह्य झिल्ली (B) Matrix./ मैट्रिक्स  
 (C) Inner membrane./ आंतरिक झिल्ली (D) DNA of mitochondria./ माइटोकॉन्ड्रिया के डी.एन.ए.
54. Which one of the following is **not** used as a raw material in the manufacture of glass? /काँच के निर्माण में निम्नलिखित में से किसका प्रयोग कच्चे माल के रूप में नहीं किया जाता है?  
 (A) Soda/ सोडा (B) Alumina/ऐलुमिना  
 (C) Borax/ बोरेक्स (सुहागा) (D) Gypsum/ जिप्सम
55. Which one of the following is the chemical formula of Hypobromous acid ? /निम्नलिखित में से कौन-सा हाइपोब्रोमस अम्ल का रासायनिक सूत्र है?  
 (A)  $\text{HBrO}_4$  (B)  $\text{HOBr}$   
 (C)  $\text{HBr}$  (D)  $\text{HBrO}_3$
56. Which of the following pairs of physical phenomenon and the discover is/are correctly matched ? /भौतिक परिघटना और उसके खोजकर्ता से संबंधित निम्नलिखित में से कौन-सा/कौन-से युग्म सही रूप से सुमेलित है/हैं?  
 1. James Chadwick : Photoelectric effect/ जेम्स चैडविक : प्रकाश-विद्युत प्रभाव  
 2. Albert Einstein : Neutron/ अल्बर्ट आइंस्टाइन : न्यूट्रॉन  
 3. Marie Curie : Radium/ मैरी क्यूरी : रेडियम
- Select the correct answer using the code given below./ नीचे दिए गए कूट का प्रयोग कर सही उत्तर चुनिए :  
 (A) 1, 2 and 3/1, 2 और 3 (B) 1 and 2 only/ केवल 1 और 2  
 (C) 2 and 3 only/ केवल 2 और 3 (D) 3 only/ केवल 3
57. In electrolytic refining of copper, the electrolyte is a solution of/ताम्र के विद्युत-अपघटनी परिष्करण में, विद्युत-अपघट्य निम्नलिखित में से किसका विलयन है?  
 (A) acidified copper chloride./ अम्लीकृत कॉपर क्लोराइड (B) acidified copper sulphate./ अम्लीकृत कॉपर सल्फेट  
 (C) potassium chloride./ पोटैशियम क्लोराइड (D) sodium sulphate./ सोडियम सल्फेट
58. LED (a semi-conductor device) is an abbreviation that stands for/एल.ई.डी. (एक अर्धचालक युक्ति) निम्नलिखित में से किसका संक्षिप्त रूप है?  
 (A) Licence for Energy Detector./ लाइसेंस फॉर एनर्जी डिटेक्टर (B) Light Energy Device./ लाइट एनर्जी डिवाइस  
 (C) Light Emitting Diode./ लाइट एमिटिंग डायोड (D) Lost Energy Detector./ लॉस्ट एनर्जी डिटेक्टर



59. Which one of the following statements is most appropriate about 'Exercise Kavach'?/ 'अभ्यास कवच' के बारे में, निम्नलिखित में से कौन-सा कथन सर्वाधिक उपयुक्त है?
- (A) It is a military exercise of the Indian Army only./ यह केवल भारतीय थलसेना का सैन्य अभ्यास है।
- (B) It is a joint military exercise involving the Indian Army and the Indian Navy only./ यह केवल भारतीय थलसेना और भारतीय नौसेना का संयुक्त सैन्य अभ्यास है।
- (C) It is a joint military exercise involving the Indian Army, the Indian Navy and the Indian Air Force only./ यह केवल भारतीय थलसेना, भारतीय नौसेना और भारतीय वायुसेना का संयुक्त सैन्य अभ्यास है।
- (D) It is a joint military exercise involving the Indian Army, the Indian Navy, the Indian Air Force and also the Indian Coast Guard./ यह भारतीय थलसेना, भारतीय नौसेना, भारतीय वायुसेना और भारतीय तटरक्षक का संयुक्त सैन्य अभ्यास है।
60. Which one of the following statements is **not** correct in respect of the 'Legion of Merit' award?/'लीजन ऑफ मेरिट' पुरस्कार के संबंध में निम्नलिखित कथनों में से कौन-सा सही नहीं है?
- (A) This award is conferred by the President of the United States of America./ यह पुरस्कार संयुक्त राज्य अमेरिका के राष्ट्रपति द्वारा प्रदान किया जाता है।
- (B) This award was conferred to the Prime Minister of India in December, 2020/ यह पुरस्कार दिसम्बर, 2020 में भारत के प्रधान मंत्री को प्रदान किया जाता था।
- (C) This was also awarded to the Prime Minister of Australia, Scott Morrison./ यह पुरस्कार ऑस्ट्रेलिया के प्रधान मंत्री स्कॉट मॉरिसन को भी प्रदान किया गया था।
- (D) It is the highest civilian award of the United States of America./ यह संयुक्त राज्य अमेरिका का सर्वोच्च नागरिक पुरस्कार है।
61. In the recently concluded elections in December 2020, Faustin-Archange Touadera has won a second term in office as President of one of the following countries. Identify the country./ हाल ही में, दिसंबर, 2020 में निर्वाचन में फॉस्टिन-आर्केज टूडेरा ने निम्नलिखित में से एक देश का राष्ट्रपति के पद हेतु दूसरे कार्यकाल के लिए जीत प्राप्त की है। देश का नाम पहचानिए।
- (A) Central African Republic/ मध्य अफ्रीकी गणराज्य (सेंट्रल एफ्रिकन रिपब्लिक)
- (B) Republic of South Africa/ दक्षिण अफ्रीका गणराज्य (रिपब्लिक ऑफ साउथ एफ्रीका)
- (C) Republic of Ghana/ घाना गणराज्य (रिपब्लिक ऑफ घाना)
- (D) Republic of Mozambique/ मोजांबीक गणराज्य (रिपब्लिक ऑफ मोजांबीक)
62. Tableau of which one of the following States/Union Territory was adjudged best in the Republic Day Parade, 2021?/ गणतंत्र दिवस परेड, 2021 में, निम्नलिखित में से किस राज्य/संघ राज्य-क्षेत्र की झाँकी का सर्वश्रेष्ठ झाँकी के रूप में चयन किया गया?
- (A) Ladakh/ लद्दाख
- (B) Uttar Pradesh/ उत्तर प्रदेश
- (C) Tripura/ त्रिपुरा
- (D) Uttarakhand/ उत्तराखंड
63. Which one of the following rivers is **not** a tributary of river Brahmaputra?/ निम्नलिखित में से कौन-सी नदी ब्रह्मपुत्र नदी की सहायक नदी नहीं है?
- (A) River Manas/ मानस नदी
- (B) River Kameng/ कामेंग नदी
- (C) River Mahananda/ महानंदा नदी
- (D) River Subansiri/ सुबनसिरी नदी
64. Which one of the following rivers is **not** a tributary of river Brahmaputra?/ निम्नलिखित में से कौन-सी नदी ब्रह्मपुत्र नदी की सहायक नदी नहीं है?
- (A) River Manas/ मानस नदी
- (B) River Kameng/ कामेंग नदी
- (C) River Mahananda/ महानंदा नदी
- (D) River Subansiri/ सुबनसिरी नदी
65. The composition of gases in exosphere is/बहिमंडल में गैसों का संयोजन क्या है?
- (A) Helium and Hydrogen./ हीलियम और हाइड्रोजन
- (B) Neon and Oxygen./ निऑन और ऑक्सीजन
- (C) Neon and Hydrogen./ निऑन और हाइड्रोजन
- (D) Helium and Neon./ हीलियम और निऑन

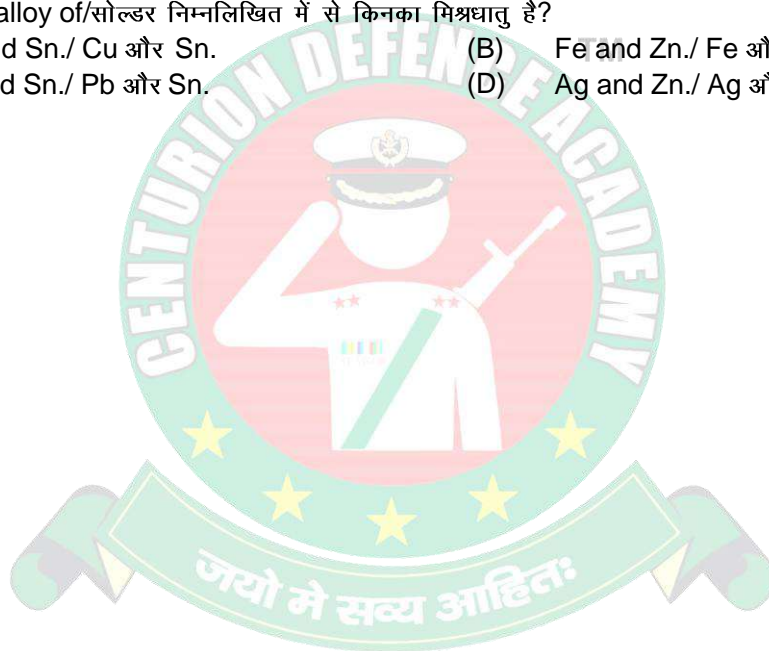
66. Consider the following statements about Light year : /प्रकाश वर्ष के संबंध में निम्नलिखित कथनों पर विचार कीजिए :
1. Light year is a unit for measurement of very large distances./ प्रकाश वर्ष अति-दीर्घ दूरियाँ मापने का मात्रक है।
  2. Light year is a unit for measurement of very large time intervals./ प्रकाश वर्ष अति-दीर्घ काल-अंतराल मापने का मात्रक है।
  3. Light year is a unit for measurement of intensity of light./ प्रकाश वर्ष प्रकाश की तीव्रता मापने का मात्रक है।
- Which of the statements given above is/are correct ?/ ऊपर दिया गया/दिए गए कौन-सा/कौन-से कथन सही है/हैं?
- (A) 1, 2 and 3/ 1, 2 और 3 (B) 2 and 3 only/ केवल 2 और 3  
(C) 1 and 2 only/ केवल 1 और 2 (D) 1 only/ केवल 1
67. At which one of the following places was a Shiva temple **not** constructed under the patronage of the Chola rulers? /निम्नलिखित में से किस स्थान पर चोल शासकों के संरक्षण में शिव मंदिर का निर्माण नहीं किया गया था?
- (A) Chidambaram/ चिदंबरम (B) Thanjavur/ तंजावुर  
(C) Gangaikonda Cholapuram/ गंगैकोंडा चोलापुरम (D) Naneghat/ नाणेघाट
68. Which of the following statements about Saguna bhakti traditions is/are correct?/सगुण भक्ति परंपराओं के संबंध में निम्नलिखित में से कौन-सा/कौन-से कथन सही है/हैं?
1. Saguna bhakti traditions focus on the worship of specific deities such as Vishnu or his avatars./ सगुण भक्ति परंपराएँ विशिष्ट देवताओं, जैसे, विष्णु या उनके अवतारों की आराधना पर केंद्रित हैं।
  2. In Saguna bhakti traditions, Gods and Goddesses are conceptualized in anthropomorphic forms./ सगुण भक्ति परंपराओं में, देवी एवं देवताओं की अवधारणा मानवाकृतिय (मानवरूपी) रूपों में की जाती है।
- Select the correct answer using the code given below :/नीचे दिए गए कूट का प्रयोग कर सही उत्तर चुनिए :
- (A) 1 only/ केवल 1 (B) 2 only/ केवल 2  
(C) Both 1 and 2/ 1 और 2 दोनों (D) Neither 1 nor 2/ न तो 1, न ही 2
69. Which one of the following was **not** a part of the dhamma of King Ashoka?/निम्नलिखित में से कौन-सा, सम्राट अशोक के धम्म का भाग नहीं था?
- (A) Honouring the king/ राजा का सम्मान करना (B) Tolerance of religions other than one's own/ अपने धर्म से भिन्न धर्मों के प्रति सहिष्णुता  
(C) Respecting Brahmanas /ब्राह्मणों का सम्मान करना (D) Promoting the welfare of his subjects/ अपनी प्रजा के कल्याण को बढ़ावा देना
70. Which one of the following Harappan sites was a specialised centre for making shell objects?/निम्नलिखित में से कौन-सा हड़प्पा स्थल सीप की वस्तुएँ बनाने के लिए विशिष्ट केंद्र था?
- (A) Lothal/लोथल (B) Balakot/बालाकोट  
(C) Amri/अमरी (D) Kot Diji/कोट दीजी
71. Which one of the following colours may be obtained by combining green and red colours?/ हरे और लाल रंगों को मिला कर निम्नलिखित में से कौन-सा रंग प्राप्त किया जा सकता है?
- (A) Blue/ नीला (B) Magenta/ मैजेंटा  
(C) Pink/ गुलाबी (D) Yellow/ पीला
72. Which one of the following regarding density of water at atmospheric pressure is correct ?/ वायुमंडलीय दाब पर जल के घनत्व के संबंध में निम्नलिखित में से कौन-सा सही है?
- (A) Density of water at 4°C is 1000 kg/m<sup>3</sup>./ 4°C पर जल का घनत्व 1000 kg/m<sup>3</sup> होता है। (B) Density of water at 0°C is 1000 kg/m<sup>3</sup>./ 0°C पर जल का घनत्व 1000 kg/m<sup>3</sup> होता है।  
(C) Density of water at 0°C is 100 kg/m<sup>3</sup>./ 0°C पर जल का घनत्व 100 kg/m<sup>3</sup> होता है। (D) Density of water at 4°C is 10 kg/m<sup>3</sup>./ 4°C पर जल का घनत्व 10 kg/m<sup>3</sup> होता है।
73. A current of 1.0 A is drawn by a filament of an electric bulb for 10 minutes. The amount of electric charge that flows through the circuit is/एक बिजली के बल्ब का तंतु 10 मिनट के लिए 1.0 A धारा खींचता है। परिपथ में से प्रवाहित होने वाले वैद्युत आवेश की मात्रा कितनी होगी?
- (A) 0.1 C (B) 10 C  
(C) 600 C (D) 800 C

74. A glass prism splits white light into different colours. This phenomenon is called dispersion of light by prism. Which one of the following statements is correct? / एक काँच का प्रिज्म श्वेत प्रकाश को विभिन्न रंगों में विभक्त करता है। इस परिघटना को प्रिज्म द्वारा प्रकाश का विक्षेपण (डिस्पर्सन) कहा जाता है। निम्नलिखित में से कौन-सा कथन सही है?
- (A) Red light will deviate the most and it is because of the reflection of light./ प्रकाश के परावर्तन के कारण लाल प्रकाश का सर्वाधिक विचलन होगा। (B) Violet light will deviate the most and it is because of the refraction of light./ प्रकाश के अपवर्तन के कारण बैंगनी प्रकाश का सर्वाधिक विचलन होगा।
- (C) Red light will deviate the most and it is because of the refraction of light./ प्रकाश के अपवर्तन के कारण लाल प्रकाश का सर्वाधिक विचलन होगा। (D) Violet light will deviate the most and it is because of the reflection of light./ प्रकाश के परावर्तन के कारण बैंगनी प्रकाश का सर्वाधिक विचलन होगा।
75. According to the New Cartesian Sign Convention, which one of the following is correct in respect of the formula  $\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$ , where symbols have their meanings? / नई कार्तीय चिह्न परिपाटी (New Cartesian Sign Convention) के अनुसार सूत्र  $\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$  के संबंध में निम्नलिखित में से कौन-सा सही है, जहाँ प्रतीकों के अपने सामान्य अर्थ हैं?
- (A) It applies only to spherical mirrors./ यह केवल गोलीय दर्पणों पर लागू होता है। (B) It applies only to spherical lenses./ यह केवल गोलीय लेन्सों पर लागू होता है।
- (C) It applies to spherical mirrors as well as spherical lenses./ यह गोलीय दर्पणों के साथ-साथ गोलीय लेन्सों पर भी लागू होता है। (D) It is an invalid formula./ यह एक अमान्य सूत्र है।
76. Which one of the following statements is **Not** correct for light rays? / प्रकाश किरणों के लिए निम्नलिखित में से कौन-सा कथन सही नहीं है?
- (A) Light travels at different speeds in different media./ प्रकाश, भिन्न-भिन्न माध्यम में भिन्न-भिन्न चाल से गमन करता है। (B) Light travels at almost 300 million metres per second in air./ प्रकाश, वायु में लगभग 300 मिलियन मीटर प्रति सेकण्ड की चाल से गमन करता है।
- (C) Light speeds down as it leaves a water surface and enters the air./ प्रकाश, जैसे ही जल की सतह को त्याग करता है और वायु में प्रवेश करता है, तो उसकी चाल धीमी हो जाती है। (D) Light speeds up as it leaves a glass surface and enters the air./ प्रकाश, जैसे ही काँच की सतह को त्याग करता है और वायु में प्रवेश करता है, तो उसकी चाल धीमी हो जाती है।
77. The gaseous product of a process in plants is a requirement for another vital process that releases energy. Given below are four combinations of the process and product. Identify the correct answer. / पौधों में, किसी एक प्रक्रिया का गैसीय उत्पाद, किसी अन्य जैव प्रक्रिया के लिए आवश्यक है, जिससे ऊर्जा निर्मुक्त होती है। नीचे इस प्रक्रिया और उत्पाद के चार संयोजन दिए गए हैं। सही उत्तर चुनिए।
- (A) Respiration and Nitric oxide/ श्वसन और नाइट्रिक ऑक्साइड (B) Transpiration and Water vapour/ वाष्पोत्सर्जन और जल-वाष्प
- (C) Photosynthesis and Oxygen/ प्रकाश-संश्लेषण और ऑक्सीजन (D) Germination and Carbon dioxide/ अंकुरण और कार्बन डाइऑक्साइड
78. The image we see in plane mirror is हम समतल दर्पण में जो प्रतिबिम्ब देखते हैं, वह
- (A) real and thus can be photographed./ वास्तविक होता है और इसलिए उसकी फोटो खींची जा सकती है। (B) virtual and nearer than the object./ आभासी होता है और बिम्ब की तुलना में अधिक निकट होता है।
- (C) virtual and is laterally inverted./ आभासी होता है और पार्श्वतः उल्टा होता है। (D) real but cannot be photographed./ वास्तविक होता है किन्तु उसकी फोटो नहीं खींची जा सकती है।
79. Numerically two thermometers, one in Fahrenheit scale and another in Celsius scale shall read same at/ एक फारेनहाइट तापक्रम और दूसरा सेल्सियस तापक्रम के दो तापमपियों में संख्यातः किस तापमान पर एकसमान पाठयांक होगा?
- (A)  $-40^\circ$  (B)  $0^\circ$   
(C)  $-273^\circ$  (D)  $100^\circ$
80. Which of the following are the primary colours of light? / निम्नलिखित में से प्रकाश के प्राथमिक रंग कौन-से हैं?
- (A) Yellow, Red and Green/ पीला, लाल और हरा (B) Blue, Red and Green/ नीला, लाल और हरा
- (C) Violet, Red and Yellow/ बैंगनी, लाल और पीला (D) Indigo, Violet and Green/ जामुनी, बैंगनी और हरा

81. Which member of the Constituent Assembly proposed the resolution that the National Flag of India be a "horizontal tricolor of saffron, white and dark green in equal proportion", with a wheel in navy blue at the centre?/ संवधान सभा के कस सदस्य ने प्रस्ताव रखा था क भारत का राष्ट्रीय ध्वज केसरिया", सफेद और गहरे हरे रंग का समान रूप से तिरंगा एक समान अनुपात में होगा ", जिसका केंद्र में नौसेना नीला है?
- (A) Jawaharlal Nehru/जवाहर लाल नेहरू (B) B.R. Ambedkar/बी आर अम्बेडकर  
(C) Rajendra Prasad/राजेन्द्र प्रसाद (D) Sardar Vallabhbhai Patel/ सरदार वल्लभभाई पटेल
82. The superintendence, direction and control of elections in India is vested in?/ भारत में चुनावों का अधीक्षण, निर्देशन और नियंत्रण निहित है?
- (A) The Supreme Court of India/ भारत का सर्वोच्च न्यायालय (B) The Parliament of India/ भारत की संसद  
(C) The Election Commission of India/ भारत निर्वाचन आयोग (D) The Chief Election Commissioner/ मुख्य चुनाव आयुक्त
83. Who among the following are the two civil servants who assisted the Constituent Assembly in framing the Constitution of India?/ निम्न ल खत में से कौन दो स वल सेवक हैं जिन्होंने भारत के संवधान को बनाने में संवधान सभा की सहायता की थी?
- (A) B.N. Rau and K.M. Munshi/ बी एन राऊ और के. एम मुंशी (B) S.N. Mukherjee and Alladi Krishna-swamy Aiyar/ एस. एन मुखर्जी और अल्लादी .कृष्ण-स्वामी अय्यर  
(C) B.N. Rau and S.N. Mukherjee/ बी एन राऊ और एस. एन मुखर्जी (D) K.M. Munshi and Alladi Krishna-swamy Aiyar/ के. एम स्वामीमुंशी और अल्लादी कृष्ण . अय्यर
84. The major part of Central Asia is dominated by which one of the following language families?
- (A) Indo-European (B) Sino-Tibetan  
(C) Austric (D) Altaic
85. Who founded the 'Seva Samiti' at Allahabad in 1914? / 1914 में इलाहाबाद में Sam सेवा स मति 'की स्थापना कसने की?
- (A) Hridayanath Kunzru/ हृदयनाथ कुंजरू (B) G. K. Gokhale / जी के गोखले  
(C) Shri Ram Bajpai / श्री राम बाजपेयी (D) T. B. Sapru / टी बी सप्रू
86. The creation of a Federal Court in India was advocated by which of the following Acts/Commissions? / भारत में संघीय न्यायालय के निर्माण की घोषणा निम्न ल खत में से कस अधिनियम / आयोग द्वारा की गई थी?
- (A) The Government of India Act, 1919 / भारत सरकार अधिनियम, 1919 (B) The Lee Commission, 1923 / 1923 में ली कमीशन  
(C) The Government of India act, 1935 / भारत सरकार अधिनियम, 1935 (D) The Indian Councils Act, 1909 / भारतीय परिषद अधिनियम, 1909
87. The 'Tatvabodhini Sabha' was established by / 'तत्त्वबो धनी सभा' द्वारा स्थापित किया गया था
- (A) Devendranath Tagore in 1839 / देवेन्द्रनाथ टैगोर (B) Keshab Chandra Sen in 1857 / 1857 में केशब चंद्र सेन  
(C) Akshay Kumar Datta in 1850 / 1850 में अक्षय कुमार दत्ता (D) Dwarakanath Tagorer in 1840 / 1840 में द्वारकानाथ टैगोर

88. The work Siyar-ul-Mutakherin, which describes the Battle of Plassey, 1757, was written by / प्लासी की लड़ाई, 1757 का वर्णन करने वाला काम सयार-उल-मुतखेरिन ने लिखा था
- (A) Salabat Jung / सलाबत जंग (B) Qasim Khan/ कासिम खान  
(C) Ghulam Husain / गुलाम हुसैन (D) Ram Mohan Roy / राम मोहन राय
89. Who believed that the Russian designs were 'an imminent peril to the security and tranquility' of the Indian Empire in 1836? / कसने माना क रूसी डिजाइन 1836 में भारतीय साम्राज्य की सुरक्षा और शांति के लिए एक आसन्न खतरा था?
- (A) Lord Auckland / लॉर्ड ऑकलैंड (B) Lord Palmerston / लॉर्ड पामरस्टन  
(C) Lord Canning / लॉर्ड कैनिंग (D) Alexander Burnes/ अलेक्जेंडर बर्नेस
90. From which one of the following factory sites were limestone and chert blades mass produced and sent to various Harappan settlements in Sindh? /निम्न ल खत में से कौन सा कारखाना स्थल चूना पत्थर और चर्ट ब्लेड के बड़े पैमाने पर उत्पादन किया गया और संध में व भन्न हड़प्पा बस्तियों में भेजा गया?
- (A) Sukkur and Rohri Hills /सुक्कुर और रोहरी (B) Khetri in Rajasthan /राजस्थान में खेतड़ी हिल्स  
(C) Chagai Hills /चगाई हिल्स (D) Hills of Baluchistan/बलूचस्तान की पहाड़ियाँ
91. Advantage(s) of tectonic activity in Iceland include(s) :/आइसलैंड में विवर्तनिक गतिविधि के लाभों में शामिल हैं :
1. Source of natural geothermal energy/ प्राकृतिक भू-तापीय ऊर्जा का स्रोत  
2. Creation of new land/ नवीन भूमि का सृजन  
3. Attraction of tourists/ पर्यटकों के लिए आकर्षण
- Select the correct answer using the code given below :/नीचे दिए गए कूट का प्रयोग कर सही उत्तर चुनिए :
- (A) 1 only/ केवल 1 (B) 2 and 3 only/ केवल 2 और 3  
(C) 1 and 3 only/ केवल 1 और 3 (D) 1, 2 and 3/ 1, 2 और 3
92. Which one of the following planets has the highest density?/निम्नलिखित में से किस ग्रह का घनत्व सर्वाधिक है?
- (A) Mercury/ बुध (B) Venus/ शुक्र  
(C) Jupiter/ बृहस्पति (D) Earth/ पृथ्वी
93. Which one of the following is the longest Latitude?/निम्नलिखित में से कौन-सा दीर्घतम अक्षांश है ?
- (A) 90 degree Latitude/ 90 डिग्री अक्षांश (B) 23.5 degree Latitude/ 23.5 डिग्री अक्षांश  
(C) 0.0 degree Latitude/ 0.0 डिग्री अक्षांश (D) 66.5 degree Latitude/66.5 डिग्री अक्षांश
94. Which one of the following is **not** a minor plate?/निम्नलिखित में से कौन-सी लघु प्लेट नहीं है?
- (A) Cocos Plate/ कोकोस प्लेट (B) Nazca Plate/ नाजका प्लेट  
(C) Caroline Plate/ कैरोलाइन प्लेट (D) Antarctic Plate/ अंटार्कटिक प्लेट
95. If it is 12:00 Noon in India, on which meridian will it be 7:00 am of the same day?/ यदि भारत में दोपहर 12:00 बजे का समय है, तो उसी दिन किस याम्योत्तर में सुबह के 7:00 बजेंगे?
- (A) 7.5 degree E. Longitude/ 7.5 डिग्री पूर्व देशांतर (B) 7.5 degree W. Longitude/ 7.5 डिग्री पश्चिम देशांतर  
(C) 75 degree E. Longitude/ 75 डिग्री पूर्व देशांतर (D) 75 degree W. Longitude/ 75 डिग्री पश्चिम देशांतर
96. In a dicot pot herb, Vaseline/vegetable oil was applied on the upper surface of one leaf (Experimental leaf 1) and on the lower surface of another leaf (Experimental leaf 2). Vaseline/Vegetable oil was not applied on the control leaf. The plant was deliberately not watered for several days. Which leaf will dry up last?/गमले में लगे एक द्विबीजपत्री शाक के एक पत्ते (प्रायोगिक पत्ता 1) की ऊपरी सतह पर वैसलीन/वनस्पति तेल और किसी दूसरे पत्ते (प्रायोगिक पत्ता 2) की निचली सतह पर वैसलीन/वनस्पति तेल लगाया गया। नियंत्रण पत्ते पर वैसलीन/वनस्पति तेल नहीं लगाया गया। इस पौधे को जान-बूझकर कई दिनों तक पानी नहीं दिया गया। कौन-सा पत्ता अंत में सूखेगा?
- (A) Experimental leaf 1/ प्रायोगिक पत्ता 2 (B) Experimental leaf 2/ प्रायोगिक पत्ता 2  
(C) Control leaf/ नियंत्रण पत्ता (D) All the leaves will dry up simultaneously/ सभी पत्ते एक साथ सूखेंगे

97. Transformation of Meristematic cells into specific permanent tissues occurs by the process of/विभज्योतकी कोशिकाओं का विशिष्ट स्थायी ऊतकों में रूपांतरण किस प्रक्रिया के द्वारा होता है?
- (A) Cell differentiation./ कोशिका निभेदन (B) Cell division./ कोशिका विभाजन  
(C) Cell multiplication./ कोशिका गुणन (D) Cell regeneration./ कोशिका पुनर्जनन
98. Which one of the following acids is predominantly found in tomatoes? /निम्नलिखित में से कौन-सा अम्ल टमाटर में प्रमुख रूप से पाया जाता है?
- (A) Acetic acid/ऐसीटिक अम्ल (B) Tartaric acid/ टार्टरिक अम्ल  
(C) Oxalic acid/ऑक्सैलिक अम्ल (D) Lactic acid/लैक्टिक अम्ल
99. Which one of the following statements about dihydrogen ( $H_2$ ) is **not** correct?/डाइहाइड्रोजन ( $H_2$ ) के संबंध में निम्नलिखित में से कौन-सा कथन सही नहीं है?
- (A)  $H_2$  is lighter than air and insoluble in water./  $H_2$  वायु से हल्की होती है और जल में अविलेय होती है। (B)  $H_2$  is inert at room temperature due to high H – H bond dissociation enthalpy./ उच्च H – H आबंध वियोजन एन्थैली के कारण सामान्य ताप  $H_2$  अक्रिय होती है।  
(C)  $H_2$  reacts with alkali metals at high temperature to yield metal hydrides./  $H_2$  उच्च तापमान पर क्षारीय धातुओं के साथ अभिक्रिया करती है, जिससे धातु हाइड्राइड बनाते हैं। (D) A mixture of  $NO_2$  and  $H_2$  is known as Syngas./  $NO_2$  और  $H_2$  का मिश्रण सिनगैस के रूप में जाना जाता है।
100. Solder is an alloy of/सोल्डर निम्नलिखित में से किनका मिश्रधातु है?
- (A) Cu and Sn./ Cu और Sn. (B) Fe and Zn./ Fe और Zn  
(C) Pb and Sn./ Pb और Sn. (D) Ag and Zn./ Ag और Zn.



# ANSWER KEY

1.	C
2.	A
3.	D
4.	C
5.	D
6.	B
7.	A
8.	D
9.	D
10.	A
11.	D
12.	C
13.	C
14.	C
15.	B
16.	B
17.	C
18.	D
19.	D
20.	D
21.	C
22.	B
23.	B
24.	C
25.	A

26.	B
27.	B
28.	D
29.	B
30.	C
31.	C
32.	B
33.	C
34.	C
35.	C
36.	D
37.	B
38.	C
39.	D
40.	A
41.	B
42.	C
43.	D
44.	C
45.	B
46.	C
47.	D
48.	D
49.	D
50.	A

51.	D
52.	A
53.	C
54.	D
55.	B
56.	D
57.	B
58.	C
59.	C
60.	D
61.	A
62.	B
63.	C
64.	C
65.	B
66.	D
67.	D
68.	C
69.	C
70.	A
71.	D
72.	A
73.	C
74.	B
75.	A

76.	C
77.	C
78.	C
79.	A
80.	B
81.	A
82.	C
83.	C
84.	D
85.	A
86.	C
87.	A
88.	C
89.	B
90.	A
91.	D
92.	D
93.	C
94.	D
95.	D
96.	B
97.	A
98.	C
99.	D
100.	C



Timing: 120 minutes

## CENTURION DEFENCE ACADEMY TA (MATHS + REASONING) TEST PAPER

M.M: 50

### MATHS /NUMBER SYSTEM

- The unit digit in the product  $(7^{71} \times 6^{59} \times 3^{65})$  is  
(A) 6 (B) 2  
(C) 4 (D) 1
- By adding  $x$  to 1254934, the resulting number becomes divisible by 11, while adding  $y$  to 1254934 makes the resulting number divisible by 3. Which one of the following is the set of values for  $x$  and  $y$ ?  
(A)  $x = 1, y = 1$  (B)  $x = 1, y = -1$   
(C)  $x = -1, y = 1$  (D)  $x = -1, y = -1$
- If  $\frac{a}{4} = \frac{b}{5} = \frac{c}{6}$ , then the value of  $\frac{a+b+c}{b}$  is  
(A) 3 (B) 2  
(C) 6 (D) 4
- The numbers  $x, x + 2, x + 4$  are all primes so  $x$  is  
(A) 3 (B) 2  
(C) 11 (D) 17
- If  $n$  is a positive integer, then what is the digit in the unit place of  $3^{2n+1} + 2^{2n+1}$ ?  
(A) 0 (B) 3  
(C) 5 (D) 7
- Let 'a' and 'b' be natural number, not necessarily distinct. For all values of 'a' and 'b' the natural number would be  
(A)  $(a + b)$  (B)  $a/b$   
(C)  $a - b$  (D)  $\log(ab)$
- Consider the following statements:  
I. The product of any three consecutive integers is divisible by 6.  
II. Any integer can be expressed in one of the three forms  $3k, 3k+1, 3k+2$ , where  $K$  is an integer.  
Which of the above statements is/are correct?  
(A) Only I (B) Only II  
(C) Both I and II (D) Neither I nor II
- If the sum of two numbers is 18 and sum of their square is 164, then the smallest number is  
(A) 8 (B) 6  
(C) 12 (D) 10
- What least value must be given to \*, so that the number  $84705*2$  is divisible by 9?  
(A) 0 (B) 1  
(C) 2 (D) 3



10. Consider the following statements:  
 I. In a given whole number, if the sum of the odd numbered digit is equal to the sum of even numbered digits, then the number is divisible by 11.  
 II. In a given whole number, if the difference of sum of odd numbered digits and even numbered digits is divisible by 11, then the number is divisible by 11.  
 Of these statements
- (A) Only I is correct (B) Both I and II are wrong  
 (C) Only II is correct (D) Both I and II are correct
11. The number 444 444 444 444 is divisible by
- (A) 3, 11 (B) 3, 7  
 (C) 5, 11 (D) 9, 11
12. Let  $X$  be a real number such that  $0 < x < 1$ . Of the following the correct statement would be
- (A) the positive square root of  $x$  is equal to  $x$  (B) the positive square root of  $x$  is greater than  $x$   
 (C) the positive square root of  $x$  is less than  $x$  (D) the square of  $x$  is greater than  $x$
13. Which one of the following is a prime number?
- (A) 161 (B) 171  
 (C) 173 (D) 221
14. What can be said about the expansion of  $2^{12n} - 6^{4n}$ , where  $n$  is a positive integer?
- (A) Last digit is 4 (B) Last digit is 8  
 (C) Last digit is 2 (D) last two digits are zero
15. All prime factors of 182 are
- (A) 2 and 13 (B) 2 and 7  
 (C) 2, 7 and 13 (D) None of these
16. If  $n$  is a natural number than  $\sqrt{n}$  is
- (A) always a whole number (B) always a natural number  
 (C) sometimes a natural number and sometimes an irrational number (D) always an irrational number
17. 235.235235235..... is a/an
- (A) integer (B) whole number  
 (C) rational number (D) irrational number
18. Consider the following statements:  
 A number  $a_1a_2a_3a_4$  is divisible by 9, if  
 I.  $a_1 + a_2 + a_3 + a_4 + a_5$  is divisible by 9.  
 II.  $a_1 - a_2 + a_3 - a_4 + a_5$  is divisible by 9  
 Which of the above statements is/are correct?
- (A) Only I (B) Only II  
 (C) Both I and II (D) Neither I nor II
19. What is the total number of prime number less than 100?
- (A) 25 (B) 30  
 (C) 24 (D) 26
20. Which among the following is the largest four digit number that is divisible by 88?
- (A) 9988 (B) 9966  
 (C) 9944 (D) 8888



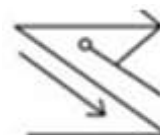
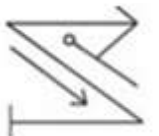
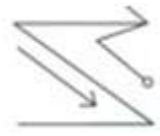
21. Which one of the following is rational?
- (A) Area of a circle with radius  $1/\pi$  (B) Radius of circle with area  $1/\pi$
- (C) Circumference of circle with radius  $1/\pi$  (D) Radius of circle with circumference  $1/\pi$
22. Which one of the following is a correct statement?
- (A) Decimal expansion of a rational number is terminating (B) Decimal expansion of a rational number is non-terminating
- (C) Decimal expansion of an irrational number is terminating (D) Decimal expansion of an irrational number is non-terminating and non-repeating.
23. The unit digit in the product is  $(281 \times 15 \times 16 \times 18)$
- (A) 6 (B) 0
- (C) 5 (D) 8
24. The prime factor of 2310 are
- (A) 2, 3, 5, 7, 11 (B) 2, 4, 6, 7, 11
- (C) 2, 3, 4, 7 (D) None of these
25. The unit digit in the product  $(127)^{170}$  is
- (A) 3 (B) 9
- (C) 7 (D) 3
26. What is the last digit in the expansion of  $(2457)^{754}$ ?
- (A) 3 (B) 7
- (C) 8 (D) 9
27. In between two rational numbers, there are
- (A) a finite number of fractions (B) precisely two fractions
- (C) even number of rational (D) infinitely many numbers of fractions to previous column
28. A ten-digit number is divisible by 4 as well as by 5. What could be the possible digit at the ten's place in the given number?
- (A) 0, 1, 2, 4 or 6 (B) 1, 2, 4, 6 or 8
- (C) 2, 3, 4, 6 or 8 (D) 0, 2, 4, 6 or 8
29. Zero is
- (A) a natural number (B) a whole number
- (C) a positive number (D) a negative integer
30. If 'r' is a non-zero rational number and 'x' is an irrational number, then the product 'rx' is
- (A) a rational number (B) an integer
- (C) an irrational number (D) None of these
31. Every composite number has
- (A) no prime divisor (B) atleast one prime divisor
- (C) atleast two prime divisor (D) one and only one prime divisor
32. When  $n$  is even, the product  $n(n + 1)(n + 2)$  is divisible by
- (A) 24 (B) 7
- (C) 0 (D) None of these

33. Consider the following statements:  
 If  $p$  is a prime such that  $p + 2$  is also a prime, then  
 I.  $p(p + 2) + 1$  is a perfect square.  
 II. 12 is a divisor of  $p + (p + 2)$ , if  $p > 3$ .  
 Which of the above statements is/are correct?  
 (A) Only I (B) Only II  
 (C) Both I and II (D) Neither I nor II
34. If ' $a$ ' is an odd integer, the number  $a(a^2 - 1)$  is divisible by  
 (A) 8 (B) 32  
 (C) 24 (D) 16
35. Consider the following assumption and two statements:  
 Assumption A number 'ABCDE' is divisible by 11.  
 Statement I  $E - D + C - B + A$  is divisible by 11.  
 Statement II  $E - D + C - B + A = 0$   
 Which one of the following is correct?  
 (A) Only statement I can be drawn from the assumption (B) Only statement II can be drawn from the assumption  
 (C) Both the statements can be drawn from the assumption (D) Neither of the statements can be drawn from the assumption
36. If ' $a$ ' is an even positive integer and ' $b$ ' is an odd positive integer, then which of the following statements is true?  
 (A)  $a(b - 1)$  is even (B)  $a(b - 1)$  is odd  
 (C)  $(a - 1)(b - 1)$  is even (D)  $(a - 1)b$  is even
37. A three-digit number has digits  $h, t, u$  (from left to right) with  $h > u$ . If the digits are reversed and the number thus formed is subtracted from the original number the unit's digit in the resulting number is 4.  
 What are the other two digits of the resulting number from left to right?  
 (A) 5 and 9 (B) 9 and 5  
 (C) 5 and 4 (D) 4 and 5
38. Which one of the following is correct?  
 The number 222222 is  
 (A) divisible by 3 but not divisible by 7 (B) divisible by 3 and 7 but not divisible by 11  
 (C) divisible by 2 and 7 but not divisible by 11 (D) divisible by 3, 7 and 11
39. Which one of the following numbers is not a square of any natural numbers?  
 (A) 5041 (B) 9852  
 (C) 1936 (D) 6241
40. When  $n$  is divided by 4, the remainder is 3. What is the remainder when  $2n$  is divided by 4?  
 (A) 0 (B) 2  
 (C) 6 (D) 3
41. The product of two number is  $y/x$ , if one of the number is  $\frac{x}{y^2}$ , then the other one is  
 (A)  $\frac{x^2}{y}$  (B)  $\frac{x}{y^2}$   
 (C)  $\frac{y^2}{x^3}$  (D)  $\frac{y^3}{x^2}$
42. A number is divisible by 25 only, if  
 (A) the last digits of the number is zero (B) the last digit of the number is 5  
 (C) the last two digit of the number is divisible by 5 (D) the last two digit of the number is divisible by 25

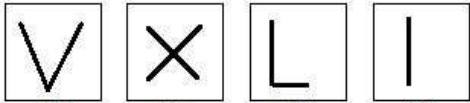
43. The unit digit in  $(7^{27} - 3^{14})$  is
- (A) 0 (B) 7  
(C) 4 (D) 6
44. If  $42 * 8$  is a multiple of 9, then the digit represented by \* is
- (A) 0 (B) 1  
(C) 2 (D) 4
45. In a division operation, the divisor is 5 times the quotient and twice the remainder. If the remainder is 15, then what is the dividend?
- (A) 175 (B) 185  
(C) 195 (D) 250
46. Of the following
- I. 1.5 II.  $\sqrt{2}$   
III.  $2 + 3\sqrt{5}$  IV.  $\sqrt{4}$   
The number that are not rational are
- (A) I and II (B) II and III  
(C) I only (D) II, III and IV
47. A prime number greater than 11 will never end with
- (A) 5 (B) 7  
(C) 9 (D) 1
48. Consider the following statements
- I. A natural number is divisible by 2, if its last digit is divisible by 2.  
II. A natural number is divisible by 2, if its last digit is either zero or 2.  
III. A natural number is divisible by 2, if its last digit is even.  
Of the above statement
- (A) I and II are correct (B) I and III are correct  
(C) II and III are correct (D) All of these
49. The product of a rational number and an irrational number is
- (A) a natural number (B) an irrational number  
(C) a composite number (D) a rational number
50. The least prime number is
- (A) 0 (B) 2  
(C) 3 (D) 1

REASONING /MISCELLANEOUS/IAF X

51. Choose the correct alternative from the given ones that will complete the series. /दिए गए वकल्पों में से सही वकल्प चुनें जो श्रृंखला को पूरा करेगा।
- 24, 60, 120, 210, ?
- (A) 300 (B) 336  
(C) 420 (D) 525

52. Select the related words/numbers from the given alternatives./दिए गए विकल्पों में से संबंधित शब्द/संख्या को चुनिए।  
? : 63 :: 08 : 26  
(A) 12 (B) 9  
(C) 18 (D) 15
53. Arrange the given words in the sequence in which they occur in the dictionary. / दिए गए शब्दों को उस क्रम में व्यवस्थित करें जिसमें वे शब्दकोश में होते हैं।  
1. Storm  
2. Strap  
3. Strangle  
4. Stamped  
5. Satire  
(A) 51432 (B) 51342  
(C) 54132 (D) 53412
54. In a code language, COMPUTER is written as OCREPMTU. How will DAUGHTER be written in the same language? / एक कोड भाषा में, COMPUTER को OCREPMTU के रूप में लिखा जाता है। DAUGHTER को उसी भाषा में कैसे लिखा जाएगा?  
(A) READTHGU (B) ADTHREGU  
(C) ADREGUTH (D) ADERUGTH
55. Select the related words/numbers from the given alternatives./दिए गए विकल्पों में से संबंधित शब्द/संख्या को चुनिए।  
Country : President :: State : ?  
(A) Chief Minister (B) Prime Minister  
(C) Speaker (D) Governor
56. प्रश्न चिह्न के स्थान पर कौन सी संख्या आएगी।/What number will come in place of the question mark  
15 : 32 :: 32  
(A) 66 (B) 56  
(C) 49 (D) 48
57. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure. / दिए गए आंकड़े की सही दर्पण छवि का चयन करें जब दर्पण को आकृति के दाईं ओर रखा जाता है।  
  
(A)  (B)   
(C)  (D) 
58. यदि गाय के लए बछड़ा तो भेड़ के लए/ If the calf for the cow is for the sheep  
(A) बच्चा/ baby (B) बछेरा/ colt  
(C) मेमना/ lamb (D) भेड़िया/ wolf

59. Pointing to a lady, Diwakar said, "Her mother's only grandson is my son." How is that lady related to Diwakar? / एक महिला की ओर इशारा करते हुए, दिवाकर ने कहा, "उसकी माँ का एकमात्र पोता मेरा बेटा है।" वह महिला दिवाकर से कैसे संबंधित है?
- (A) Aunty (B) Sister  
(C) Mother (D) Wife
60. In a class, P has more marks than Q and R does not have the least marks. S has more marks than T and T has more marks than P, who among them will have the least marks? / एक वर्ग में, P के पास Q से अधिक अंक हैं और R के पास कम से कम अंक नहीं हैं। S के T से अधिक अंक हैं और T के P की तुलना में अधिक अंक हैं, उनमें से कसके पास कम से कम अंक होंगे?
- (A) P (B) Q  
(C) S (D) T
61. Choose the correct alternative from the given ones that will complete the series. / दिए गए विकल्पों में से सही विकल्प चुनें जो श्रृंखला को पूरा करेगा।  
6, 13, 28, 59, ?
- (A) 111 (B) 113  
(C) 114 (D) 122
62. Select the word pair in which the two words are related in the same way as are the two words in the following. / शब्द जोड़ी का चयन करें जिसमें दो शब्द उसी तरह से संबंधित हैं जैसे कि निम्न लक्ष्य में दो शब्द हैं।  
Vision: Blindness
- (A) Cholera : Epidemic (B) Old age : Senility  
(C) Deaf : hear (D) Audition : Hearing
63. Three of the following four letter-clusters are alike in a certain way and one is different. Find the odd one out. / निम्न लक्ष्य चार पत्र-समूहों में से तीन एक निश्चित तरीके से एक जैसे हैं और एक अलग है। वषम चुनें
- (A) XAZC (B) PRRT  
(C) CDDE (D) LMNO
64. Insert the correct mathematical signs in the following equation  $13 \ 3 \ 2 \ 1 = 15$  / निम्न लक्ष्य समीकरण  $13 \ 3 \ 2 \ 1 = 15$  में सही गणितीय संकेत डालें
- (A)  $\times \div +$  (B)  $\div - \times$   
(C)  $+ - +$  (D)  $\div \times -$
65. Pointing to a woman, a man said, "The only brother of his only son is my wife's brother." How is the woman related to the man? / एक महिला की ओर संकेत करते हुए एक पुरुष ने कहा, "इसके इकलौते भाई का बेटा मेरी पत्नी का भाई है।" वह महिला उस पुरुष से किस प्रकार संबंधित है
- (A) सास/ mother-in-law (B) ससुर की बहन / Father in law's sister  
(C) मामी / Aunt (D) माँ की बहन / mother's sister
66. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series. / अक्षरों के संयोजन का चयन करें जो कि दिए गए अक्षर श्रृंखला के अंतराल में क्रमिक रूप से रखे जाने पर श्रृंखला को पूरा करेंगे।  
bac\_cab\_cd\_a\_ac\_ca
- (A) bdabc (B) dcbac  
(C) cadbc (D) dacbd
67. TILAL to LALIT in a code language, then how to write RAHUL in that code language? / कसी कूट भाषा में LALIT को TILAL तो उसी कूट भाषा में RAHUL को कैसे लिखा जाएगा
- (A) LUHAR (B) LUHRA  
(C) RAHLU (D) LURHA

68. निम्न श्रेणियों में अगला पद कौन-सा होगा। छाँटिए- What will be the next Term in the following series-----  
93. 7, 176, 297, 378, .....
- (A) 459 (B) 427  
(C) 387 (D) 403
69. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. /निम्नलिखित चार संख्याओं में से तीन एक निश्चित तरीके से समान हैं और एक अलग है। वह नंबर चुनें जो बाकियों से अलग हो।
- (A) 338 (B) 217  
(C) 28 (D) 65
70. If PRADESH is written as 1234567, how will PARAS be written?/अगर PRADESH को 1234567 लखा जाता है, तो PARAS को कैसे लखा जाएगा?
- (A) 13235 (B) 13236  
(C) 13536 (D) 14436
71. Two 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. / दो कथन तीन निष्कर्ष I, II और III दिए गए हैं। कथनों को सत्य मानने पर भी यदि वे सामान्यतः ज्ञात तथ्यों के साथ विचरण करते हैं, तो निर्णय लें कि कथनों में से कौन सा निष्कर्ष तार्किक रूप से अनुसरण करता है।
- Statements: / कथन:**  
No crow is a bird. / कोई कौआ एक पक्षी नहीं है।  
All birds are animals. / सभी पक्षी पशु हैं।
- Conclusions: / निष्कर्ष:**  
I. Some animals are crows. / कुछ जानवर कौवे हैं।  
II. Some animals are birds. / कुछ जानवर पक्षी हैं।  
III. No animal is a crow. / कोई जानवर कौआ नहीं है।
- (A) Only conclusion I and III follows. /केवल (B) None of the conclusion follows. / निष्कर्ष का कोई भी अनुसरण नहीं करता है।  
निष्कर्ष I और III अनुसरण करते हैं।
- (C) Only conclusion III follows /केवल निष्कर्ष III (D) Conclusion II and either conclusion I and III अनुसरण करता है।  
अनुसरण करता है। निष्कर्ष II और निष्कर्ष I और III निम्नलिखित हैं।
72. परसों के दिन 'होइ अष्टमी' होगी। अगले सप्ताह के इसी दिन दीपावली होगी। यदि आज रविवार है तो दीपावली के चार दिन बाद कौन-सी दिन होगा / It will be 'Hoi Ashtami' on the day after tomorrow. This day of next week will be Diwali. If today is Sunday then what day will it be four days after Diwali
- (A) शनिवार /Saturday (B) बृहस्पतिवार /Thursday  
(C) शुक्रवार /Friday (D) इनमें से कोई नहीं /None of these
73. Select the one which is different from the other three responses./ एक का चयन करें जो अन्य तीन प्रति क्रियाओं से अलग है।
- (A) JMPS (B) MP SL  
(C) DGJM (D) UXAD
74. Choose a different shape / भिन्न आकृति को चुनिए
- 
- (A) A (B) B  
(C) C (D) D

75. In the following question, select the related word pair from the given alternatives. / निम्न ल खत प्रश्न में, दिए गए विकल्पों में से संबंधित शब्द युग्म को चुनिए

Fire : Burn :: ? : ?

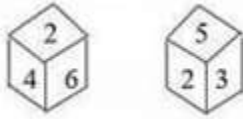
(A) Water : Drink

(B) Wood : Trees

(C) Ice : Freeze

(D) Flower : Rose

76. Two different positions of the same dice are shown. Which numbers will be at the top if 4 is at the bottom? / एक ही पासा के दो अलग-अलग स्थान दिखाए गए हैं। यदि 4 सबसे नीचे है तो कौन सी संख्या सबसे ऊपर होगी?



(A) 3

(B) 6

(C) 5

(D) 1

77. Ram's school bus was facing north – west when it reaches his school. After starting from his house took one left turn, one Right turn another left turn to reach. If bus pick up Ram and starting towards East direction then in which direction bus facing to reach school. / राम की स्कूल बस जब उनके स्कूल तक पहुँचती है तो उत्तर - पश्चिम का सामना करना पड़ता था। अपने घर से शुरू करने के बाद एक बाएँ मोड़ लया, एक दाएँ मोड़ दूसरे बाएँ मोड़ पर पहुँचने के लिए। यदि बस राम को उठाती है और पूर्व दिशा की ओर शुरू होती है तो स्कूल पहुँचने के लिए कस दिशा में बस का सामना करना पड़ता है।

(A) South-east /दक्षिण-पूर्व

(B) North-east /उत्तर-पूर्व

(C) North /उत्तर

(D) South /दक्षिण

78. Which two sign should be interchanged in the following equation to make it correct? / यह सही बनाने के लिए निम्नलिखित समीकरण में किन दो पहलुओं का परस्पर संबंध होना चाहिए?

$$10+5\div 10\times 8-10=16$$

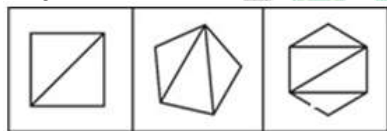
(A) + and ×

(B) – and +

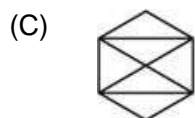
(C) ÷ and ×

(D) – and ÷

79. Find the figure that will come next in the following figure series. / वह आकृति ज्ञात कीजिए जो निम्न ल खत आकृति श्रृंखला में आगे आएगी।



?



80. Find the wrong number from the given series/ दी गई श्रृंखला से गलत संख्या ज्ञात कीजिए

1236, 2346, 3456, 4566, 5686

(A) 1236

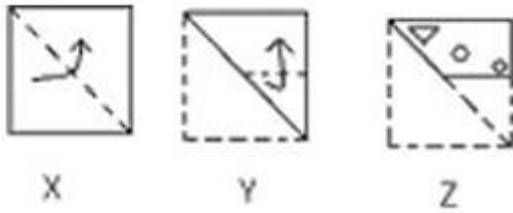
(B) 3456

(C) 4566

(D) 5688



81. The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown. How will paper appear when unfolded? / चौकोर कागज के एक टुकड़े (आंकड़े X और Y) को मोड़ने का क्रम और जिस तरीके से मुड़ा हुआ कागज काटा गया है (चित्र देखें)। सामने आने पर पेपर कैसे दिखाई देगा?



- (A) (B) (C) (D)

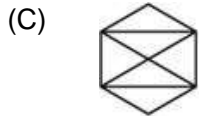
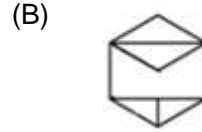
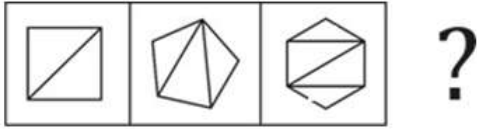
82. Select the missing number from the given responses./ दी गई प्रति क्रयाओं में से लापता संख्या का चयन करें

5	5	2
2	4	1
8	3	10
40	30	?

- (A) 10 (B) 12  
(C) 13 (D) 20
83. 10 गायें 10 बोरा घास 10 दिन में खाती हैं, तो एक गाय एक बोरा घास कतने दिन में खायेगी ?/ 10 cows eat 10 sacks in 10 days, then how many days will one cow eat a sack of grass?  
(A) 1 (B) 10  
(C) 8 (D) 100
84. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. / एक श्रृंखला गुम होने के साथ दी जाती है। दिए गए विकल्पों में से सही विकल्प का चयन करें जो श्रृंखला को पूरा करेगा।  
BT, DR, FP, ?  
(A) HO (B) HN  
(C) NH (D) OH
85. D is son of C and brother of E and E is niece of F. C is sister of B and aunt of A. Father of B has two children i.e. one son and one daughter. If A is son of F then how is F related to C? /डी, सी का बेटा है और ई का भाई है और ई, एफ की भतीजी है। बी, बी की बहन है और बी के चाची के दो बच्चे हैं, यानी एक बेटा और एक बेटा। यदि ए, एफ का बेटा है तो एफ, सी से कैसे संबंधित है?  
(A) Cousin-brother/ फुफेरा भाई (B) Aunt/ चाची  
(C) Sister-in-law/ भाभी (D) Sister/ बहन
86. Choose the correct alternative from the given one that will complete the series./ दी गई श्रृंखला से सही विकल्प चुनें जो श्रृंखला को पूरा करेगा।  
9, 17, 31, 57, ?, 205  
(A) 102 (B) 104  
(C) 107 (D) 109

87. Pointing to a lady a man says that she is the only daughter of my son's maternal grandmother. How is lady related to man?/ एक महिला की ओर इशारा करते हुए एक आदमी कहता है क वह मेरे बेटे की नानी की इकलौती बेटी है। स्त्री पुरुष से कैसे संबंधित है?
- (A) brother/भाई (B) Sister/बहन  
(C) Wife/पत्नी (D) mother/ माँ
88. Pointing to a lady on the platform, Manju said, "She is the sister of the father of my mother's son." Who is the lady to Manju?/ मंच पर एक महिला की ओर इशारा करते हुए, मंजू ने कहा, "वह मेरी माँ के बेटे के पता की बहन है।" मंजू के लिए कौन महिला है?
- (A) Mother/माँ (B) Sister/बहन  
(C) Aunt/चाची (D) Niece/भतीजी
89. Select the one which is different from the other three responses./ एक का चयन करें जो अन्य तीन प्रति क्रियाओं से अलग है।
- (A) 40-5 (B) 60-12  
(C) 32-4 (D) 88-11
90. In the following question, select the odd word from the given alternatives. / निम्न लखत प्रश्न में, दिए गए विकल्पों में से वषम शब्द को चुनिए।
- (A) Ludo / लूडो (B) Chess / शतरंज  
(C) Polo/ पोलो (D) Carrom / कैरम
91. You go 7 m North, turn right for 3 m, then turns right again for 7 m and then go to the left. In which direction, are you now?/ आप 7 मीटर उत्तर में जाते हैं, 3 मीटर के लिए दाएं मुड़ते हैं, फिर 7 मीटर के लिए फर से दाएं मुड़ते हैं और फिर बाईं ओर जाते हैं। अब आप कस दिशा में हैं?
- (A) North/उत्तर (B) South/दक्षिण  
(C) East/पूर्व (D) West/पश्चिम
92. In a row of girls, Rita and Monika occupy the ninth place from the right end and tenth place from the left end, respectively. If they interchange their places, then Rita and Monika occupy seventeenth place from the right and eighteenth place from the left respectively. How many girls are there in the row?/ लड़कियों की एक पंक्ति में, रीता और मोनिका दाहिने छोर से नौवें स्थान पर और बाएं छोर से दसवें स्थान पर हैं। यदि वे अपने स्थानों को बदल देते हैं, तो रीता और मोनिका क्रमशः दायें से सत्रहवें स्थान पर और बायें से अठारहवें स्थान पर रहते हैं। पंक्ति में कतनी लड़कियां हैं?
- (A) 25 (B) 26  
(C) 27 (D) Data inadequate
93. How is my father's sister's son's daughter related to me? / मेरे पता के बहन के बेटे की बेटी मुझसे कस प्रकार सम्बन्धित है
- (A) फुफेरी बहन /cousin sister (B) भतीजी /Niece  
(C) बहन /Sister (D) मामी /Aunt

94. Find the figure that will come next in the following figure series. / वह आकृति ज्ञात कीजिए जो निम्न ल खत आकृति श्रंखला में आगे आएगी।



95. Select the one which is different from the other three responses./ एक का चयन करें जो अन्य तीन प्रति क्रयाओं से अलग है।

(A) Newspaper

(B) Press

(C) Edition

(D) Audition

96. Three of the following four words are alike in a certain way and one is different. Pick the odd word out./ निम्नलिखित चार शब्दों में से तीन एक निश्चित तरीके से एक जैसे हैं और एक अलग है। विषम शब्द चुनें।

(A) Krishna

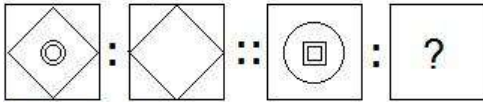
(B) Mahanadi

(C) Tapti

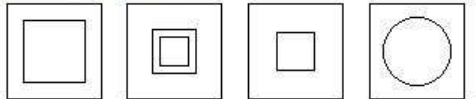
(D) Godavari

97. What will come in place of question mark/ ? ds LFkku ij D;k vk,xk?

Question Images



Answer Images



(A)

(B)

(C)

(D)

(A) A

(B) B

(C) C

(D) D

98. If  $13 \times 75 = 5731$ ,  $27 \times 34 = 4372$ ,  $15 \times 42 = 2451$

Then  $16 \times 36 = ?$  / यदि  $13 \times 75 = 5731$ ,  $27 \times 34 = 4372$ ,  $15 \times 42 = 2451$  फर  $16 \times 36 = ?$

(A) 1636

(B) 6361

(C) 576

(D) 3616

99. If in a certain language, TEACHER is written as LMKJNMP. How will HEART be written? / यदि एक निश्चित भाषा में, TEACHER को LMKJNMP के रूप में लिखा जाता है। HEART कैसे लिखा जाएगा?

(A) NMAPL

(B) NMPKL

(C) NPKML

(D) NMKPL

100. A class of boys stands in single line. One boy is 19<sup>th</sup> in order from both the ends. How many boys are there in the class? / लड़कों का एक वर्ग एकल पंक्ति में खड़ा है। दोनों छोरों से एक लड़का 19 वां है। कक्षा में कतने लड़के हैं?

(A) 27

(B) 37

(C) 38

(D) 39

# ANSWER KEY

A	C
2.	B
3.	A
4.	A
5.	C
6.	A
7.	C
8.	A
9.	B
10.	D
11.	A
12.	B
13.	C
14.	D
15.	C
16.	C
17.	C
18.	A
19.	A
20.	C
21.	C
22.	D
23.	B
24.	A
25.	B

26.	D
27.	D
28.	D
29.	B
30.	C
31.	B
32.	A
33.	C
34.	C
35.	C
36.	A
37.	A
38.	D
39.	B
40.	B
41.	D
42.	D
43.	C
44.	D
45.	C
46.	B
47.	A
48.	D
49.	B
50.	B

51.	B
52.	C
53.	C
54.	C
55.	D
56.	A
57.	C
58.	C
59.	B
60.	B
61.	D
62.	C
63.	C
64.	C
65.	B
66.	D
67.	A
68.	B
69.	A
70.	B
71.	D
72.	A
73.	B
74.	B
75.	C

76.	A
77.	C
78.	B
79.	B
80.	D
81.	A
82.	A
83.	B
84.	B
85.	C
86.	C
87.	C
88.	C
89.	B
90.	C
91.	C
92.	B
93.	B
94.	C
95.	D
96.	C
97.	D
98.	B
99.	D
100.	B