

1. Identify the correct form of the word:  
I \_\_ down every afternoon after lunch.

(a) lie

(b) lay

(c) lied

(d) am lying

Correct Choice: **(a)**

Solution:

You lie down on the sofa (no direct object), but you lay the book down on the table (the book is the direct object). This is in the present tense, where you are talking about doing something now: you lie down on the sofa, and you lay down a book.

2. Give one-word substitute for  
Write words or letters of a different alphabet

(a) Transitory

(b) Transliterate

(c) Translate

(d) Transcommunicate

Correct Choice: **(b)**

Solution:

To change (letters, words, etc.) into corresponding characters of another alphabet or language: to transliterate the Greek X as ch.

3. Give the correct verb form:  
He asked if anyone \_\_\_ his glasses.

(a) had seen

(b) have seen

(c) seen

(d) saw

Correct Choice: **(a)**

Solution:

Saw is the PAST TENSE of the verb see, and usually comes immediately after NOUNS and PRONOUNS. Seen is the PAST PARTICIPLE of the VERB see. Generally, seen is used alongside have, has, had, was or were in a sentence to make COMPOUND VERBS.

4. Give the correct form of the verb:  
Many a cup and saucer \_\_ been broken.

(a) have

(b) has

(c) is

(d) are

Correct Choice: **(b)**

Solution:

'Many a' is followed by a singular countable noun and takes a singular verb with it. So the right answer here is 'has' as the sentence is in present perfect tense and the subject is singular.

5. Identify the meaning of the italicized word:  
The brothers *fell out* over their father's property.

(a) Fell down

(b) Sold

(c) Continue

(d) Quarrelled

Correct Choice: **(d)**

Solution:

Falling out is defined as a disagreement or something that causes two people to no longer be friendly with one another. An example of a falling out is when two sisters fight over their inheritance and stop speaking to each other.

6. Give the antonym of the italicized word:  
His behaviour *disgusted* everyone.

(a) Gusted

(b) Pleased

(c) Irritated

(d) Surprised

Correct Choice: **(b)**

Solution:

disgust: cause (someone) to feel revulsion or strong disapproval.

"they were disgusted by the violence"

antonyms: attract, please

7. Choose the correct option:

I should be grateful if you \_\_\_ send me an application form.

- |          |           |
|----------|-----------|
| (a) will | (b) would |
| (c) may  | (d) can   |

Correct Choice: **(b)**

Solution:

The sentence is in past tense and i talks about a condition. So the right fit here happens to be 'would'.

8. Fill in the blanks with suitable word.

The rule is applicable \_\_\_\_\_ every one.

- |           |          |
|-----------|----------|
| (a) to    | (b) for  |
| (c) about | (d) with |

Correct Choice: **(a)**

Solution:

Applicable means relevant or appropriate, and when the subject under discussion applies directly to the person addressed, then applicable to is the correct answer.

9. Identify the subject in the sentence

The first three chapters of the book are written in a beautiful style.

- |                              |  |
|------------------------------|--|
| (a) The first                | (b) The first three                      |
| (c) The first three chapters | (d) The first three chapters of the book |

Correct Choice: **(d)**

Solution:

In the given sentence, the subject is 'The first three chapters of the book'. The construction sentence is:

Subject + Verb + Adverb. In this sentence, Subject is 'The first three chapters of the book', Verb is : 'are written' and 'in a beautiful way' is the adverb.

10. Choose the correctly spelt word:

(a) Adress

(b) Adverse

(c) Altogether

(d) Anounce

Correct Choice: (c)

Solution:

The correct spellings are as follows:

Address

Adverse

Announce

11. Which protocol is used in WWW?

(a) PPP

(b) IP

(c) FTP

(d) HTTP

Correct Choice: (d)

Solution:

Hypertext Transfer Protocol. Although most Web browsers are able to communicate using a variety of protocols, such as FTP, Gopher and WAIS, the most common protocol in use on the Web is that designed specifically for the WWW project, the HyperText Transfer Protocol.

12. Expand GUI.

(a) Graphical User Instance

(b) Graphical User Intermediate

(c) Graphical User Interface

(d) Graphical Used Instance

Correct Choice: (c)

Solution:

A graphical user interface is a form of user interface that allows users to interact with electronic devices through graphical icons and visual indicators such as secondary notation, instead of text-based user interfaces, typed command labels or text navigation.

13. IC chips are used in which generation of computer?

(a) Second Generation

(b) Third Generation

(c) Fourth Generation

(d) Both (A) & (B)

Correct Choice: **(b)**

Solution:

Third Generation: Integrated Circuits (1964-1971) The development of the integrated circuit was the hallmark of the third generation of computers. Transistors were miniaturized and placed on silicon chips, called semiconductors, which drastically increased the speed and efficiency of computers.

14. Microsoft Powerpoint is an example of

(a) Operating System

(b) Display Device

(c) Application Software

(d) System Software

Correct Choice: **(c)**

Solution:

An application software (app or application for short) is computer software designed to perform a group of coordinated functions, tasks, or activities for the benefit of the user. Powerpoint is a software package designed to create electronic presentations consisting of a series of separate pages or slides.

15. Website is a collection of

(a) Webpage

(b) HTML page

(c) Both (A) & (B)

(d) HTTP Page

Correct Choice: **(a)**

Solution:

A website is a collection of related web pages, including multimedia content, typically identified with a common domain name, and published on at least one web server. The web page usually means what is visible, but the term may also refer to a computer file, usually written in HTML or a comparable markup language.

16. Bing is a

(a) Website

(b) Business Software

(c) Search Engine

(d) Social Media

Correct Choice: **(c)**

Solution:

Bing is a web search engine owned and operated by Microsoft. The service has its origins in Microsoft's previous search engines: MSN Search, Windows Live Search and later Live Search. Bing provides a variety of search services, including web, video, image and map search products.

17. Moving from one webpage to another webpage is known as

(a) Attaching

(b) Changing

(c) Downloading

(d) Browsing

Correct Choice: **(d)**

18. Which of the following comes under cybercrime?

(a) IPR

(b) Plagiarism

(c) Pornography

(d) All of the above

Correct Choice: **(c)**

Solution:

Cybercrime, or computer-oriented crime, is a crime that involves a computer. The computer may have been used in the commission of a crime, or it may be the target.

Plagiarism is the "wrongful appropriation" and "stealing and publication" of another author's "language, thoughts, ideas, or expressions" and the representation of them as one's own original work. Plagiarism is considered academic dishonesty and a breach of journalistic ethics. Plagiarism is actually considered as an unethical conduct of a person and not a crime by itself.

IPR is the acronym for Intellectual Property Rights which is not related to a crime but deals with the rights related to Intellectual property which is the product of the human intellect including creativity concepts, inventions, industrial models, trademarks, songs, literature, symbols, names, brands etc.

Cyber pornography is banned in many countries and legalized in some. In India, under the Information Technology Act, 2000, this is a grey area of the law, where it is not prohibited but not legalized either. Section 67A of the Information Technology Act makes publication, transmission and causing to be transmitted and published in electronic form any material containing sexually explicit act or conduct, punishable with imprisonment upto 5 years and fine upto 10 lakhs.

19. In computer Logical operations are performed by:

- (a) Control Unit
- (b) ALU
- (c) Primary Memory
- (d) CPU

Correct Choice: **(b)**

Solution:

An arithmetic logic unit (ALU) is a digital circuit used to perform arithmetic and logic operations. It represents the fundamental building block of the central processing unit (CPU) of a computer.

20. \_\_ is a volatile memory.

- (a) SRAM
- (b) DRAM
- (c) Both (A) & (B)
- (d) None of these

Correct Choice: **(c)**

Solution:

RAM is called 'volatile' memory by analogy because if the computer loses power, all the data stored in RAM (or other volatile memory) is lost or 'evaporates'. Non-volatile memory is a memory that keeps its data while the system isn't running.

SRAM (static RAM) is random access memory (RAM) that retains data bits in its memory as long as power is being supplied. Unlike dynamic RAM (DRAM), which stores bits in cells consisting of a capacitor and a transistor, SRAM does not have to be periodically refreshed.

21. Which of the following Article of the Indian Constitution guarantees complete equality of men and women?

- (a) Article 25
- (b) Article 21
- (c) Article 18
- (d) Article 15

Correct Choice: **(d)**

Solution:

Article 15 (1) and (2) prohibit the state from discriminating any citizen on ground of any religion, race, caste, sex, place of birth or any of them. These articles provide that there shall be no restriction on any person on any of the above bases to access and use the public places such as shops, or use of wells, tanks, bathing ghats, roads and places of public resort maintained wholly or partly out of State funds or dedicated to the use of the use of the general public.

22. The wild life sanctuary which is a part of Nilagiri Biosphere Reserve?

- (a) Chinnar
- (b) Parambikulam
- (c) Muthanga
- (d) Chulannur

Correct Choice: **(c)**

Solution:

Established in 1973, the Muthanga Wildlife Sanctuary is contiguous to the protected area network of Nagarhole and Bandipur of Karnataka on the north east and Mudumalai of Tamil Nadu on the southeast. Rich in bio-diversity, the sanctuary is an integral part of the Nilgiri Biosphere Reserve.

23. The original name of Vagbhatananda was:

- (a) Kunhikannan
- (b) Kunhikrishnan



(c) Krishnan

Correct Choice: **(a)**

Solution:

Vagbhatananda was a social reformer in British India. He was the founder of the Atmavidya Sangham, which was fundamentally a group of professionals and intellectuals who sought change, and also the Uralungal Labour Contract Co-operative Society.

(d) Kumaraguru

24. Surya Sen was associated with which of the event during Indian Freedom Struggle?

(a) Chittagong Armoury Raid

(b) Kakori Conspiracy

(c) Civil Disobedience Movement

(d) Home Rule Movement

Correct Choice: **(a)**

Solution:

The Chittagong armoury raid, also known as the Chittagong uprising, was an attempt on 18 April 1930 to raid the armoury of police and auxiliary forces from the Chittagong armoury in the Bengal Presidency of British India (now in Bangladesh) by armed Indian independence fighters led by Surya Sen

25. Who is called the 'Mother of Indian Revolution'?

(a) Sarojini Naidu

(b) Annie Besant

(c) Madam Bhikaji Cama

(d) Aruna Asaf Ali

Correct Choice: **(c)**

Solution:

Bhikaiji Rustom Cama, or Madam Cama was born on 24 September 1861 in Bombay. She was an outstanding lady of great courage, fearlessness, integrity, perseverance and passion for freedom and is considered as the mother of Indian revolution because of her contributions to Indian freedom struggle. She was credited with designing India's first tricolour flag with green, saffron and red stripes bearing the immortal words – Vande Matram. After fighting tirelessly for India's freedom struggle on foreign land for several years, she came back to India and died on August 13, 1936

26. When was constitution of India adopted by Constituent Assembly?

(a) 1948 January 26

(b) 1949 November 26

(c) 1950 January 26

(d) 1950 November 26

Correct Choice: **(b)**

Solution:

The Republic is governed in terms of the Constitution of India which was adopted by the Constituent Assembly on 26th November 1949 and came into force on 26th January 1950.

27. Which of the following temple is not in Karnataka?

(a) Brahmeswar

(b) Kollur Mookambika

(c) Sravanabelagola

(d) Chamundeswary

Correct Choice: **(a)**

Solution:

Brahmeswara Temple is a Hindu temple dedicated to Shiva located in Bhubaneswar, Odisha, erected at the end of the 9th century CE, is richly carved inside and out. This Hindu temple can be dated with fair accuracy by the use of inscriptions that were originally on the temple. They are now lost, but records of them preserve the information of around 1058 CE. The temple is built in the 18th year of the Somavamsi king Udyotakesari by his mother Kolavati Devi, which corresponds to 1058 CE.

28. 'Teesta' is the tributary of

(a) Ganges

(b) Brahmaputra

(c) Indus

(d) Godavari

Correct Choice: **(b)**

Solution:

The Teesta River is a 309 km long river flowing through the Indian states of West Bengal and Sikkim through Bangladesh before emptying to the Bay of Bengal.

29. In which year a major earthquake occurred in Latur region?

(a) 1993

(b) 1997

(c) 1998

(d) 2001

Correct Choice: **(a)**

Solution:

The 1993 Latur earthquake struck India at 3:56 am local time on 30 September. The main area affected was Maharashtra State in Western India. The earthquake primarily affected the districts of Latur and Osmanabad, including the Ausa block of Latur and Omerga of Osmanabad.

30. Which Indian state has declared Jackfruit as official fruit of state?

(a) Karnataka

(b) Kerala

(c) Tamil Nadu

(d) Orissa

Correct Choice: **(b)**

Solution:

Jackfruit has been declared as the official fruit of Kerala with the aim of branding the state's produce and taking it across the nation and abroad.

31. The President of India can be impeached for violation of the constitution vide which article?

(a) Article 52

(b) Article 61

(c) Article 74

(d) Article 78

Correct Choice: **(b)**

Solution:

Article 61 : Procedure for impeachment of the President (1) When a President is to be impeached for violation of the Constitution, the charge shall be preferred by either House of Parliament. (2) No such charge shall be preferred unless – (a) the proposal to prefer such charge is contained in a resolution which has been moved after at least fourteen days' notice in writing signed by not less than one-fourth of the total number of members of the House has been given of their intention to move the resolution, and (b) such resolution has been passed by a majority of not less than two-thirds of the total membership of the House. (3) When a charge has been so preferred by either House of Parliament, the other House shall investigate the charge or cause the charge to be investigated and the President shall have the right to appear and to be represented at such investigation. (4) If as a result of the investigation a resolution is passed by a majority of not less than two-thirds of the total membership of the House by which the charge was investigated or caused to be investigated, declaring that the charge preferred against the President has been sustained, such resolution shall have the effect of removing the President from his office as from the date on which the resolution is so passed.

32. Which of the following is appointed by the Governor of the state

(a) Finance Commission

(b) UPSC

(c) State Election Commission

(d) Inter State Council

Correct Choice: (c)

Solution:

The superintendent, direction and control of the preparation electoral roles for and conduct of , all elections to the Gram Panchayat and Zilla Pachayat shall be vested in the State Election Commission consisting of a State Election Commissioner to be appointed by the Governor.

33. The Jurisdiction to which of the following high courts extends to the Union Territory of Lakshwadeep?

(a) Kerala

(b) Tamil Nadu

(c) Bombay

(d) Delhi

Correct Choice: (a)

Solution:

The High Court of Kerala is the highest court in the Indian state of Kerala and in the Union Territory of Lakshadweep.

34. Which of the following subject is included in the Concurrent List

- (a) Agriculture
- (c) Local Government

- (b) Public Health and Sanitation
- (d) Forests

Correct Choice: **(d)**

Solution:

Forestry: Before 1972 Forest and Wildlife came under State list. In 1976, 42nd Constitutional Amendment Act. Forests were brought under Concurrent List, this means that both the state and Centre can make Laws on the subject but in case of a difference, the law of centre would prevail.

35. Which day is observed as national voters day?

- (a) 25th january
- (c) 16th janauary
- (e) None of these

- (b) 15th janauary
- (d) 12th janauary

Correct Choice: **(a)**

Solution:

. It started from January 25, 2011 to mark Election commission's foundation day.

36. The concept of Single Citizenship is adopted by India from which country?

- (a) USA
- (c) Italy

- (b) France
- (d) UK

Correct Choice: **(d)**

Solution:

The ideas of rule of law, parliamentary democracy, system of election, cabinet system, collective responsibility, committee system, bicameral legislature etc were copied from Britain. The powers and responsibilities of the posts of Prime Minister and Speaker are similar to their counterparts in Britain. In Britain it is a convention that Prime Minister will be a member belongs to lower house of Parliament. Similar convention is followed in India but exceptions are there. Speaker presides over the lower house of the Legislature in both countries.

37. Who presides over the joint sitting of the two houses of Parliament?

(a) President

(b) Vice President

(c) Speaker

(d) Chief Justice

Correct Choice: (c)

Solution:

The joint sitting of the Parliament is called by the President and is presided over by the Speaker or, in his absence, by the Deputy Speaker of the Lok Sabha or in his absence, the Deputy-Chairman of the Rajya Sabha.

38. The President of the Constituent Assembly was

(a) Dr. K.M. Munshi

(b) Dr. Rajendra Prasad

(c) Dr. Ambedkar

(d) Jawaharlal Nehru

Correct Choice: (b)

Solution: Dr. Rajendra Prasad was elected as the president and Its vice-president was Harendra Coomar Mookerjee, a Christian from Bengal and former vice-chancellor of Calcutta University.

39. By which Constitutional Amendment Act was the voting age was lowered from 21 years to 18 years?

(a) 42nd amendment 1976

(b) 44th amendment 1978

(c) 52nd amendment 1985

(d) 61st amendment 1988

Correct Choice: (d)

Solution:

The Sixty-first Amendment' of the Constitution of India, officially known as The Constitution (Sixty-first Amendment) Act, 1988, lowered the voting age of elections to the Lok Sabha and to the Legislative Assemblies of States from 21 years to 18 years. This was done by amending Article 326 of the Constitution, which concerns to elections to the Lok Sabha and the Assemblies.

40. The ministers of state government are administered the oath of office by

- (a) President
- (b) Governor
- (c) Attorney General
- (d) Chief Justice

Correct Choice: **(b)**

Solution:

Before a Minister enters upon his office, the Governor shall administer to him the oaths of office and of secrecy according to the forms set out for the purpose in the Third Schedule. The Chief Minister shall be appointed by the Governor and the other Ministers shall be appointed by the Governor on the advice of the Chief Minister, and the Minister shall hold office during the pleasure of the Governor.

41. In 2018, the Oscar Award for best actor was given to Gary Oldman for his performance in

- (a) The Shape of Water
- (b) The Post
- (c) Darkest Hour
- (d) Dunkirk

Correct Choice: **(c)**

Solution:

The 2018 Oscar winner for Best Actor is Gary Oldman for his performance in DARKEST HOUR. This is his second Academy Award nomination and first Oscar win.

42. In 2019, FIFA under-20 World Cup will be held in

- (a) England
- (b) Poland
- (c) South Africa
- (d) Germany

Correct Choice: **(b)**

Solution:

2019 FIFA U-20 World Cup. The tournament will be hosted by Poland between 23 May and 15 June 2019.

43. E. Harikumar got Sahitya Akademi (India's National Academy of Letters) Award for his work

(a) Kama Surabhi

(b) Thiranjedutha Prabandhomgal

(c) Karutha Thampratti

(d) Dinosarinte Kutti

Correct Choice: **(d)**

Solution:

E. Haikumar is a Malayalam novelist and short story writer and novelist in Malayalam, the language of Kerala in South West India. Born on 13 July 1943 in Ponani a coastal town between Calicut and Kochi. Harikumar's parents were Edasseri Govindan Nair, a well-known poet and playwright, and E. Janaki Amma, who in her early years had written poems and stories and translated Tagore's Fruit Gathering into Malayalam.

44. Who nominates the Chairman of the Public Account Committee of Indian Parliament?

(a) The Prime Minister

(b) The President

(c) The Speaker of the Lok Sabha

(d) The Chairman of the Rajya Sabha

Correct Choice: **(c)**

Solution: The Chairman is appointed by the Speaker of Lok Sabha. Since 1967, the chairman of the committee is selected from the opposition. Earlier, it was headed by a member of the ruling party. Its chief function is to examine the audit report of Comptroller and Auditor General (CAG) after it is laid in the Parliament

45. Choolunnur Bird Sanctuary is located at

(a) Palakkad

(b) Idukki

(c) Thrissur

(d) Pathanamthitta

Correct Choice: **(a)**

Solution:

The first Peacock Sanctuary of India is located at Choolanur at about 30 km from Palakkad. The place is also called as Mayiladumpara, which literally means "the rock where peacocks dance". This unique sanctuary is spread over 500 acres of forest area and is an abode of more than 200 peacocks.



46. Who is the Dada Saheb Phalke Award winner in 2017 ?

(a) Vinod khanna

(b) Rajesh Khanna

(c) Rishi Kapoor

(d) None of these

Correct Choice: **(a)**

Solution:

Late veteran actor and politician Vinod Khanna was posthumously honoured with prestigious Dadasaheb Phalke Award 2017. He is the 49th recipient of the award, considered as the highest honour in Indian cinema given by Ministry of Information and Broadcasting.

47. Article which describe about the Financial emergency in the Indian Constitution :

(a) Article 32

(b) Article 360

(c) Article 72

(d) Article 41

Correct Choice: **(b)**

Solution:

\*Article 32 –Right to constitutional remedies.

\* Article 72 – Pardoning power of the President.

\* Article 41 – Right to work.

48. Kerala Government's Kamala Surayya Award of 2017 for literary work was given to

(a) Lalitha Sadasivam

(b) K.P. Sudheera

(c) P. valsala

(d) K.R. Meera

Correct Choice: **(d)**

Solution:

K.R. Meera, an established writer in Malayalam, is well noted for the intensity of her writings. Resides in Kottayam, the 47 year old Meera is the author of many prominent writings in Malayalam that deals with femininity and the distress of human life. Her first collection of stories, Ormayude Njarambu which was published in 2002, marked the beginning of her writing career. Since then Meera has a number of novels and short story collections published in her name. Women play central roles in most of her stories. Her women have uniqueness and a certain level of vigour that makes them re-define the women of early Malayalam literature.

49. The Grand Design' is a work of

(a) Stephen Hawking

(b) John Gribbin

(c) Marika Taylor

(d) Dennis W. Sciama

Correct Choice: (a)

Solution:

The Grand Design is a popular-science book written by physicists Stephen Hawking and Leonard Mlodinow and published by Bantam Books in 2010. The book examines the history of scientific knowledge about the universe and explains 11 dimension M-theory.

50. Among the following who is not the recipient Of Nobel prize in Chemistry in 2017 ?

(a) Jacques Dubochet

(b) Joachim Frank

(c) Richard Henderson

(d) C. Barish

Correct Choice: (d)

Solution:

The Nobel Prize in Chemistry 2017 was awarded jointly to Jacques Dubochet, Joachim Frank and Richard Henderson "for developing cryo-electron microscopy for the high-resolution structure determination of biomolecules in solution."

51. Where is the Kerala Highway Research Institute situated?

(a) Thrissur

(b) Ernakulam

(c) Malappuram

(d) Thiruvananthapuram

Correct Choice: **(d)**

Solution:

The Central Plantation Crops Research Institute- Kasargod

The Banana Research Station- Kannara, Thrissur

The National Institute of Fashion Technology- Kannur

52. Who among the following Urdu poets, was invited to second and third Round table conference?

(a) Josh Malihabadi

(b) Mohammad Iqbal

(c) Faiz Ahammad Faiz

(d) Firaq Gorakhpuri

Correct Choice: **(b)**

Solution:

Muhammad Iqbal, widely known as Allama Iqbal, was a poet, philosopher, and politician, as well as an academic, barrister and scholar in British India who is widely regarded as having inspired the Pakistan Movement.

53. Which is the largest earthen dam in India located across the Karamanathodu River, a tributary of River Kabini in Wayanad district?

(a) Pothundi dam

(b) Mattupetti dam

(c) Banasura Sagar dam

(d) Parambikulam dam

Correct Choice: **(c)**

Solution:

Banasura Sagar Dam, the largest earth dam in India, is located in the Banasura Lake in Kalpetta, Wayanad .

54. Who is the author of the book 'Sidhanubhuthi'?

(a) Sree Narayana Guru

(b) Ayya Vaikundar

(c) Brahmananda Sivayogy

(d) Kumaranasan

Correct Choice: **(c)**

Solution:

Brahmananda Swami was founded the Ananda Maha Sabha and Anandamadham.

55. Which one of the following passes connects Arunachal Pradesh with Tibet ?

(a) zoji La Pass

(b) Debsa Pass

(c) Bomdi La Pass

(d) Shipki La Pass

Correct Choice: (c)

Solution:

The Bum La Pass is located about 37 km away from Tawang in Arunachal Pradesh, at the Indo-China border above 15,200 ft above sea level.

56. Who amongst the following was the first woman President of the Indian National Congress?

(a) Annie Besant

(b) Mira Behn

(c) Sarojini Naidu

(d) Kasturba Gandhi

Correct Choice: (a)

Solution:

Annie Besant was the first woman president of INC whereas, Sarojini Naidu was the first Indian woman president.

57. In which state of India Subansiri Hydropower Project is located ?

(a) Madhya Pradesh

(b) Assam

(c) Karnataka

(d) Rajasthan

Correct Choice: (b)

Solution:

The Subansiri Lower Dam, officially named Subansiri Lower Hydroelectric Project, is an under construction gravity dam on the Subansiri River in NorthEastern India. It is located 2.3 km upstream of Gerukamukh village in Dhemaji District and Lower Subansiri District on the border of Assam and Arunachal Pradesh

58. In which of the following sessions of INC, was National Anthem sung for the first time?

(a) 1915

(b) 1885

(c) 1911

(d) 1902

Correct Choice: (c)

Solution:

“Jana Gana Mana ” is the national anthem of India. Written in highly Sanskritised (Tatsama) Bengali, it is the first of five stanzas of a Brahmo hymn composed and scored by Nobel laureate Rabindranath Tagore. It was first sung in Calcutta Session of the Indian National Congress on 27 December 1911.

59. Which national highway is longest highway in India?

(a) NH56

(b) NH46

(c) NH44

(d) NH45

Correct Choice: (c)

Solution:

NH 44 covers the North-South Corridor of NHDP and it is officially listed as running over 3,745 km (2,327 mi) from Srinagar to Kanyakumari. It is the longest national highway in India. NH47a is the shortest national highway in india. Previously, the longest was NH-7 which started from Varanasi to Kanyakumari. NH 44 covers the North-South Corridor of NHDP and it is officially listed as running over 3,745 km (2,327 mi) from Srinagar to Kanyakumari. It is the longest national highway in India.

60. The oldest oil field in India is the \_\_\_\_\_?

(a) Anleshwas

(b) Bombay High

(c) Nawagam

(d) Digboi

Correct Choice: (d)

Solution:

It situated in Assam

61. If Maya goes to office at a speed of 40 km/hr, she reaches 5 minutes late. If she travels at the speed of 60 km/hr, she is 10 minutes early. What is the distance to office from her home?

(a) 30 km

(b) 40 km

(c) 50 km

(d) 35 km

Correct Choice: **(a)**

Solution:

Speed = Distance / Time

Let the distance be D and time taken be t.

$$40 = D / (t + 5) \text{---(1)}$$

$$60 = D / (t - 10) \text{----(2)}$$

$$\frac{4}{6} = \frac{(t-10)}{(t+5)}$$

$$3t - 30 = 2t + 10$$

$$t = 40 \text{ min}$$

Distance = Speed x Time

$$\text{Equating t in (1)} \Rightarrow 40 \times (45/60) = 30 \text{ km}$$

62. How much time will a train of length 171 meters take to cross a tunnel of length 229 meters, if it is running at a speed of 30 km/hr ?

(a) 1 minute

(b) 48 seconds

(c) 30 seconds

(d) 32 seconds

Correct Choice: **(b)**

Solution:

$$\text{Time} = \text{Total distance} / \text{speed} = \frac{[171+229]}{30} \times \frac{18}{5} = 48 \text{ sec.}$$

63. At what time between 4 and 5 o'clock will the hands of a clock be at right angle?

(a) at  $32\frac{2}{11}$  min past 4

(b) at  $30\frac{2}{11}$  min past 4

(c) at  $35\frac{2}{11}$  min past 4

(d) at  $38\frac{2}{11}$  min past 4

Correct Choice: **(d)**

Solution:

Between 4 and 5 o'clock the hands of the clock will be at right angle once. When the two hands are at right angles, they are 15 minutes space apart. When the minutes hand is 15 minute space ahead of the hour hand.

To this the minute hand will have to gain  $I(20 + 15)$ minutes = 35 minutes space

Now, 55 minutes space are gained in 60 minutes.

35 minutes spaces will be gained in  $(\frac{60}{55} \times 35)$  minutes =  $38\frac{2}{11}$  minutes

So they are at right angle at  $38\frac{2}{11}$  minutes past 4

64. Today 10th May 2018 is a Thursday. What day of the week will it be on 25th December, 2018?

(a) Wednesday

(b) Sunday

(c) Monday

(d) Tuesday

Correct Choice: (d)

Solution:

10th May is a Thursday. So 10th December will be Monday.

We can count and get the day of 25th December as Tuesday.

65. The ratio between the ages of Appu and Ryan at present is 3 : 4. Five years ago the ratio of their ages was 2 : 3. What is the present age of Appu ?

(a) 15 years

(b) 20 years

(c) 12 years

(d) 30 years

Correct Choice: (a)

Solution:

Let the ages of Appu and Ryan be  $3x$  and  $4x$  respectively and after five years there ages will be  $2x$  and  $3x$  respectively

According to question

$$\frac{(3x+5)}{(4x+5)} = \frac{2x}{3x}$$

$$\frac{(3x+5)}{(4x+5)} = \frac{2}{3}$$

$$3(3x+5) = 2(4x+5)$$

$$9x + 15 = 8x + 10$$

$$x = 5 \text{ yrs}$$

$$\text{Appu's age} = 3x = 3 \times 5 = 15 \text{ yrs}$$

$$\text{Ryan's age} = 4x = 4 \times 5 = 20 \text{ yrs}$$

66. The largest natural number which exactly divides the product of any four consecutive natural numbers is

(a) 120

(b) 24

(c) 12

(d) 6

Correct Choice: **(b)**

Solution:

Let the first consecutive number be 'a'. So here we want to find the largest factor of  $(a)(a+1)(a+2)(a+3)$ .

Now since we are talking about 4 consecutive natural numbers, among these 4 consecutive numbers we will definitely have :

1) at least one number which is a multiple of 2, and not a multiple of 4.

2) at least one number which is a multiple of 3.

3) at least one number which is a multiple of 4.

So each product will be divisible by  $2 \times 3 \times 4 = 24$

The largest natural number is 24.

67. If 520 mangoes can be bought for Rs.600, how many can be bought for Rs.1500?

(a) 1040

(b) 1200

(c) 1300

(d) 1560



Correct Choice: (c)

Solution:

$$600 : 1500 = 520 : x$$

$$x = \frac{520 \times 1500}{600} = 1300$$

68. In an examination 86 % of the candidates passed and 224 failed. How many candidates appeared for the exam ?

(a) 800

(b) 1540

(c) 1600

(d) 3136

Correct Choice: (c)

Solution:

$$\frac{(100-86)}{100} \times Z = 224$$

$$Z = \frac{224 \times 100}{14} = 1600$$

69. A and B can do a work in 10 days. B and C can do it in 12 days. C and A can do it in 15 days. If A, B and C work together. They will complete the work in:

(a) 15 days

(b) 8 days

(c) 10 days

(d) 12 days

Correct Choice: (b)

Solution:

Total work = LCM of 10,12,15 = 60 units

$$(A + B)'s \text{ one day's work} = \frac{60}{10} = 6$$

$$(C + B)'s \text{ one day's work} = \frac{60}{12} = 5$$

$$(A + C)'s \text{ one day's work} = \frac{60}{15} = 4$$

Adding all 2(A + B + C)'S one day's work = 15

$$\text{Time taken by } 2(A + B + C) = \frac{60}{15} = 4 \text{ days.}$$

$$\text{Time taken by } (A + B + C) = 2 \times 4 = 8 \text{ days.}$$

70. Area of the largest triangle that can be inscribed in a semicircle of radius 2 cm is

(a)  $2 \text{ cm}^2$

(b)  $4 \text{ cm}^2$

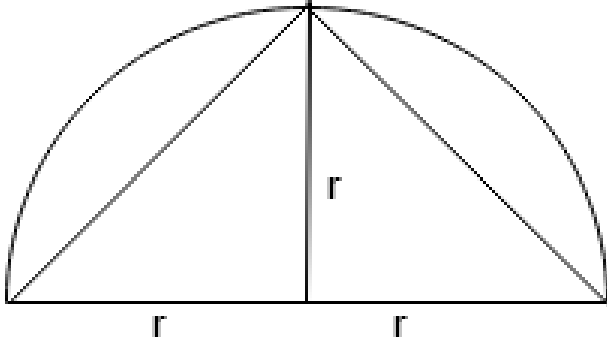
(c)  $2\sqrt{2} \text{ cm}^2$

(d)  $4\pi \text{ cm}^2$

Correct Choice: **(b)**

Solution:

The triangle with maximum area will have the height equal to the perpendicular radii of the circle. Also the triangle inside a semicircle will be always a right angled triangle.



$$\text{Area} = \frac{1}{2} \times 2r \times r = 2 \times 2 = 4\text{cm}^2$$

71. The ratio of ages of Monu and Sonu at present is 4 : 1. Eight years ago Monu's age was 10 times the age of Sonu. What is the present age of Monu ?

(a) 48

(b) 44

(c) 46

(d) 42

Correct Choice: **(a)**

Solution:

The ages of Monu be  $4x$  and Sonu be  $x$ .

Eight years ago, age of Monu =  $4x - 8$  and age of Sonu =  $x - 8$ .

$$4x - 8 = 10(x - 8)$$

$$6x = 72, x = 12$$

$$\text{Present age of Monu} = 12 \times 4 = 48$$

72. What will be the next term 7, 12, 19, \_\_\_ ?

(a) 26

(b) 28

(c) 30

(d) 24

Correct Choice: **(b)**

Solution:

First number = 7,

Second =  $7+5 = 12$ ,

Third =

$12+7 = 19$ ,

Therefore, next number =  $19 + 9 = 28$ .

73. Rasik walked 20 m towards north. Then he turned right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Finally he turns left and walks 15 m. In which direction and how many metres is he from the starting position?

(a) 15 m West

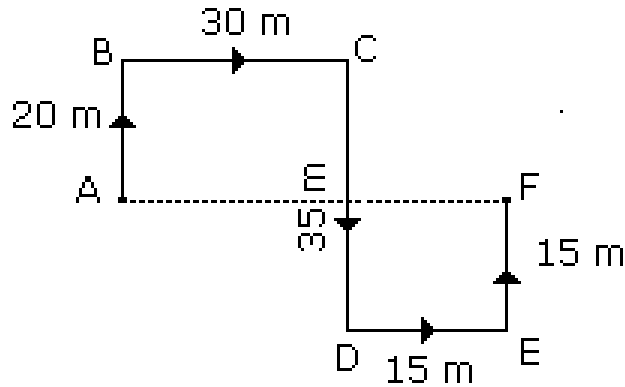
(b) 30 m East

(c) 30 m West

(d) 45 m East

Correct Choice: (d)

Solution:



$$\begin{aligned}\text{Required distance} &= AF \\ &= 30 + 15 \\ &= 45 \text{ m.}\end{aligned}$$

From the above diagram, F is in East direction from A.

Hence the required answer is '45 m East'.

74. A tank can be filled by pipe A in 6 hours and by pipe B in 3 hours, each pump working on its own. When the tank is full and a drainage hole is open, the water is drained in 4 hours. If initially the tank was empty and someone started the two pump together, but left the drainage hole open, how long does it takes for the tank to be filled ?

(a) 6 hours

(b) 8 hours

(c) 4 hours

(d) 12 hours

Correct Choice: (c)

Solution:

Let's first find the rates of the pumps and the drainage hole

Pump A:  $1/6$ , Pump B:  $1/3$ , Drainage hole:  $1/4$

Let  $t$  be the time for the pumps to fill the tank. The pumps add water into the tank however the drainage hole drains water out of the tank, hence  $t(1/6 + 1/3 - 1/4) = 1$

Solve for  $t$ ,

$t = 4$  hours.

75. What are the last two digits of the numbers  $7^{45}$  ?

(a) 07

(b) 23

(c) 49

(d) 43

Correct Choice: (a)

Solution:

The last two digits of  $7^1$  are 07. The last two digits of  $7^2$  are 49. The last two digits of  $7^3$  are 43. The last two digits of  $7^4$  are 01.

The last two digits of powers of 7 go in a cycle - 07, 49, 43, 01.

So, the last two digits of  $7^{45}$  are 07.

76. What day of the week will be on 8th June 2215 ?

(a) Friday

(b) Thursday

(c) Monday

(d) Sunday

Correct Choice: (b)

Solution:

Calculate the number of odd days from starting till 8th June 2215

Step 1:

2000 = 0 odd days

200 = 3 odd days

14 years = 11 ordinary years + 3 leap years =  $11 + 6 = 17$  odd days = 3 odd days

Jan till June = 4 odd days

8 days = 8 odd days

Step 2:

Add all the odd days

$3 + 3 + 4 + 8 = 18$  odd days = 4 odd days

Hence, 4 odd days indicates a Thursday (According to reference chart)

Therefore, 8th June 2215 was a Thursday.

77. What will come in the place of "?" : EG, HJ, KM, NP, ?

(a) QS

(b) QR

(c) QT

(d) RS

Correct Choice: (a)

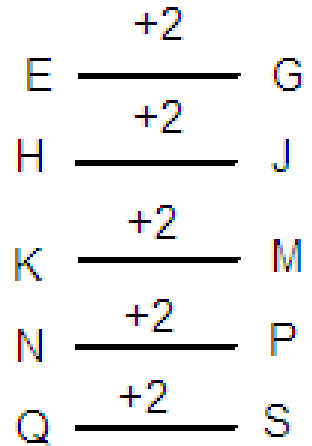
Solution:

The letters in the series are formed by using the logic,

G is the second letter from E.

The second term ('HJ') starts with the successive letter of G, i.e., H.

Below diagram will help you to understand the logic behind the series better.



So the next letter in the series is QS. (Q is the next successive letter of P and S is the second letter from Q).

78. Find  $10 + 10 \times 10 \div 10 - 10$

- (a) 0 (b) 10  
(c) 100 (d) 1

Correct Choice: (b)

Solution:

$$10 + 10 \times 10 \div 10 - 10$$

Solve by using BODMAS rule

$$10 + 10 \times 10 \div 10 - 10 = 10 + 10 \times 1 - 10 = 10 + 10 - 10 = 20 - 10 = 10$$

79. The Simple interest on a sum of money is equal to the principal and number of years is equal to the rate percent per annum. Find the rate percent ?

- (a) 15% (b) 20%

(c) 12%

(d) 10%

Correct Choice: **(d)**

Solution:

Let the principal be P, Rate of interest be R% and Time = T

$$P = T = R$$

$$SI = (P \times T \times R) / 100$$

$$R = \frac{R^3}{100}$$

$$R^2 = 100$$

$$R = 10$$

80. How long will a 150 m long train running at a speed of 60kmph takes to cross the bridge a of 300 m long?

(a) 37 seconds

(b) 35 seconds

(c) 25 seconds

(d) 27 seconds

Correct Choice: **(d)**

Solution:

We know, Speed = Distance/ Time

According to the question,

$$\frac{60 \times 5}{18} = \frac{150 + 300}{x}$$

$$x = \frac{450 \times 18}{300} = 27 \text{ seconds}$$

81. Identify the element which shows variable valency.

(a) Helium

(b) Magnesium

(c) Sodium

(d) Iron

Correct Choice: **(d)**

Solution:

The electrons present in the outermost shell of an atom are called valence electrons. Iron is a transition metal so its core (the remaining electrons after the removal of valence electrons) is not stable. These elements show two or more different valencies. Iron has two valencies Fe<sup>2+</sup>, Fe<sup>3+</sup>.

82. The speed of chemical reaction between gases increases with increase in pressure due to an increase in

(a) Number of molecules

(b) Volume

(c) Concentration

(d) Distance between molecules

Correct Choice: (c)

Solution:

- Increasing the pressure on a reaction involving reacting gases increases the rate of reaction.
- Increasing the pressure of a gas is exactly the same as increasing its concentration.
- If you have a given mass of gas, the way you increase its pressure is to squeeze it into a smaller volume. If you have the same mass in a smaller volume, then its concentration is higher.

83. The scientific principle behind the working of a transformer is

(a) Rectification

(b) Transmission

(c) Amplification

(d) Mutual induction

Correct Choice: (d)

Solution:

Electromagnetic or magnetic induction is the production of an electromotive force across an electrical conductor in a changing magnetic field.

84. The outermost shell configuration of an element is



The period to which the element belongs is

(a) 5

(b) 8

(c) 3

(d) 4

Correct Choice: (d)

Solution:

The period of the element = No. of principal quantum number of the valence shell = 4th



85. The gas in a balloon of volume 2L is released into an empty vessel of volume 7L .What will be the volume of the gas ?

(a) 2L

(b) 7L

(c) 9L

(d) 5L

Correct Choice: **(b)**

Solution:

The particles of a gas move fast enough to break away from each other. They can change both shape and volume.

86. Relationship between sea anemone and hermit crab is

(a) Symbiosis

(b) Mutualism

(c) Commensalism

(d) None of these

Correct Choice: **(c)**

Solution:

- Hermit crabs and sea anemones have a symbiotic relationship, meaning they live in harmony together. It's a stable connection that sidesteps the typical prey and predator relationship found in nature. The type of symbiosis they engage in is called commensalism.
- Commensalism means one organism benefits and the other organism isn't harmed by the partnership.

87. Acid rain is due to

(a)  $CO_2$  and  $H_2O$

(b)  $CO$  and  $NO_2$

(c)  $SO_2$  and  $NO_2$

(d)  $SO_2$  and  $N_2O$

Correct Choice: **(c)**

Solution:

- Acid rain is a rain or any other form of precipitation that is unusually acidic, meaning that it has elevated levels of hydrogen ions (low pH).
- It can have harmful effects on plants, aquatic animals and infrastructure.
- Acid rain is caused by emissions of sulphur dioxide and nitrogen oxide, which react with the water molecules in the atmosphere to produce acids.

88. Greenhouse effect is mainly due to

(a)  $CH_4$

(b)  $SO_2$

(c) CFC

(d)  $CO_2$

Correct Choice: (d)

Solution:

- The greenhouse effect is the process by which radiation from a planet's atmosphere warms the planet's surface to a temperature above what it would be without its atmosphere .

89. Which one of the following is a water soluble vitamin?

(a) Calciferol

(b) Tocoferol

(c) Ascorbic acid

(d) Phyloquinone

Correct Choice: (c)

Solution:

- Ascorbic acid is Vitamin C.
- The water-soluble vitamins include ascorbic acid (vitamin C), thiamin, riboflavin, niacin, vitamin B6 (pyridoxine, pyridoxal, and pyridoxamine), folacin, vitamin B12, biotin, and pantothenic acid.

90. Who discovered nucleus ?

(a) Robert Brown

(b) Bowman

(c) Golgi

(d) Fountain

Correct Choice: (a)

Solution:

The term 'cell nucleus ' was used by Robert Brown for the first time in 1831 in a paper to the Linnean Society and it was published in 1833.

91. ശരിയായ വാക്യമേത് ?

(a) അധ്യാപകന്റെ പ്രസംഗം പ്രചോദനപരവും പ്രേരണാപരവുമായിരുന്നു

(b) അധ്യാപകന്റെ പ്രസംഗം പ്രചോദനം നൽകുന്നതായിരുന്നു.

(c) അധ്യാപകന്റെ പ്രസംഗം പ്രേരണാപരമായിരുന്നു.

Correct Choice: (b)

Solution:

അധ്യാപകന്റെ പ്രസംഗം പ്രചോദനം നൽകുന്നതായിരുന്നു എന്നതാണ് ശരിയായ വാക്യം .

(d) അധ്യാപകന്റെ പ്രസംഗം പ്രചോദകവും പ്രേരണാപരവുമായിരുന്നു.

92. ഒറ്റപദമാക്കുക  
ലോകത്തെ സംബന്ധിച്ചത്

(a) ലൗകികം

(c) ലൗകീകം

Correct Choice: (a)

Solution:

ലൗകികം - ലോകത്തെ സംബന്ധിച്ചത്.

(b) ലോകൈകം

(d) ലോകായതം

93. ശരിയായ വിപരീതപദം ഏത്?  
ശാന്തം

(a) അശാന്തം

(c) വിരം

Correct Choice: (d)

Solution:

ശാന്തത്തിന്റെ വിപരീതം രൗദ്രം ആണ്.

(b) ദേഷ്യം

(d) രൗദ്രം

94. ലേഖകൻ എന്ന വാക്കിന്റെ എതിർലിംഗം ഏത്?

(a) ലേഖക

(c) ലേഖകി

Correct Choice: (b)

Solution:

ലേഖകൻ എന്ന വാക്കിന്റെ എതിർലിംഗം ലേഖിക

(b) ലേഖിക

(d) ലേകഖി

95. ചേർത്തഴുതുക :  
 എത് + വികാരം
- (a) ഹൃദയവികാരം
  - (b) ഹൃദികാരം
  - (c) ഹൃതികാരം
  - (d) ഹാർദ്ദവം

Correct Choice: (b)  
 Solution:

എത് + വികാരം = ഹൃദികാരം (വ്യഞ്ജന സന്ധി)

96. താഴെ പറയുന്ന പഴഞ്ചൊല്ലിന്റെ സാരസ്യമെന്ത്?  
 മുറിവൈദ്യൻ ആളെക്കൊല്ലും
- (a) അല്പജ്ഞാനം ആപത്താണ്
  - (b) വൈദ്യൻ നിസാരനാണ്
  - (c) പരിശീലനം നേടിയില്ലെങ്കിൽ പരാജയമടയും
  - (d) വൈദ്യശാസ്ത്രം ഗഹനമാണ്

Correct Choice: (a)  
 Solution:

മുറിവൈദ്യൻ ആളെക്കൊല്ലും എന്ന പഴഞ്ചൊല്ലിന് അർത്ഥമാക്കുന്നത് പകുതി അറിവുള്ളവരു ആപത്താണ് എന്നാണ്.

97. പിരിച്ചെഴുതുക  
 ക്രോധമല്ലോ നിജ ധർമ്മക്ഷയകരം
- (a) ക്രോധമല്ലോ + നിജ + ധർമ്മ + ക്ഷയകരം
  - (b) ക്രോധ + മല്ലോ + നിജ + ധർമ്മക്ഷയ + കരം
  - (c) ക്രോധം + അല്ലോ + നിജ + ധർമ്മ + ക്ഷയകരം
  - (d) ക്രോധമല്ലോ + നിജ ധർമ്മ + ക്ഷയകരം

Correct Choice: (c)  
 Solution:

ക്രോധമല്ലോ നിജ ധർമ്മക്ഷയകരം = ക്രോധം + അല്ലോ + നിജ + ധർമ്മ + ക്ഷയകരം

98. താഴെ പറയുന്ന കടംകഥയുടെ ശരിയുത്തരമേന്ത്?  
 'കൊക്കിരന്നു കളം വറ്റി'
- (a) വയൽ
  - (b) കിണർ

(c) എൻജിൻ

(d) റാന്നൽവിളക്ക്

Correct Choice: **(d)**

Solution:

റാന്നൽവിളക്ക് ആണ് ശരിയായ ഉത്തരം.

99. ശരിയായ പദം തിരഞ്ഞെടുത്തുകൊടുക്കുക :

(a) ഹാർട്ടിംഗ്

(b) ഹാർട്ടിംഗ്

(c) ഹാർമിംഗ്

(d) ഹാർഡിംഗ്

Correct Choice: **(a)**

Solution:

ഹാർട്ടിംഗ് ആണ് ശരിയായ പദം .

100. ശരിയായ പദമേത്?

(a) ഐച്ഛികം

(b) ഐശ്ചികം

(c) ഐച്ഛികം

(d) ഐശ്ചികം

Correct Choice: **(a)**

Solution:

ഐച്ഛികം ആണ് ശരിയായ പദം