

English section contains **20** and **Logical Reasoning section** contains **30** multiple choice questions which have only one correct answer. Each question carries **+4** marks for correct answer and **– 1** mark for wrong answer.

Useful Informations

Acceleration due to gravity $g = 10 \text{ m/s}^2$

Planck constant $h = 6.6 \times 10^{-34} \text{ J-s}$

Charge of electron $e = 1.6 \times 10^{-19} \text{ C}$

Mass of electron $m_e = 9.1 \times 10^{-31} \text{ kg}$ Permittivity of free space $= 8.85$

$10^{12} \text{ C}^2 / \text{N-m}^2$ Density of water $= 103 \text{ kg/m}^3$ Atmospheric pressure $P_a = 10^5 \text{ N/m}^2$

Gas constant R

$= 8.314 \text{ J K}^{-1} \text{ mol}^{-1}$

1. Atomic No: H=1, He = 2, Li=3, Be=4, B=5, C=6, N=7, O=8, N=9, Na=11, Mg=12, Si=14, Al=13, P=15, S=16, Cl=17, Ar=18, K =19, Ca=20, Cr=24, Mn=25, Fe=26, Co=27, Ni=28, Cu = 29, Zn=30, As=33, Br=35, Ag=47, Sn=50, I=53, Xe=54, Ba=56, Pb=82, U=92.
2. Atomic masses: H=1, He=4, Li=7, Be=9, B=11, C=12, N=14, O=16, F=19, Na=23, Mg=24, Al = 27, Si=28, P=31, S=32, Cl=35.5, K=39, Ca=40, Cr=52, Mn=55, Fe=56, Co=59, Ni=58.7, Cu=63.5, Zn=65.4, As=75, Br=80, Ag=108, Sn=118.7, I=127, Xe=131, Ba=137, Pb=207, U=238.

MODEL QUESTIONS

ENGLISH

[FOR BOTH GROUP 'X'(TECHNICAL) & GROUP 'Y'TRADES]

Select the correct verb

Q1. Besides his parents, he _____ also present at the function.

(A) Is

(B) Was

(C) Has

(D) Has been

Identify the correct preposition

Q2. The thunder was accompanied _____ a heavy rain.

(A) From

(B) By

(C) Up

(D) Through

Choose the misspelt word.

Q3. (A) Disparity (B) Illusion (C) Inevitable (D) Middle

Fill in the blank with correct article.

Q4. _____things of beauty is a joy forever.

(A) the

(B) a

(C) an

(D) none of these

Identify the antonym of the given word

Q.5 Embellish

(A) Sacrifice

(B) Disfigure

(C) Foreit

(D) Indict

Give one word substitute

Q6. A well experienced person.

(A) wise man (B) Intelligent (C) Old man (D) Veteran

Q7. An accident which results in death

(A) Injurious (B) Dangerous (C) Fatal (D) Terrible

Identify the correct choice

Q8. He has purchased a bag of _____

(A)floor

(B)flour

(C)flower

(D)flaur

Identify the synonym of the given word

Q9. Zest

(A)pleasure

(B)distaste

(C)flop

(D)encircles

Fill in the blank with suitable conjunction

Q10. He will never pass, hard he may try

(A) However

(B) Whatever

(C) Never

(D) Whenever

Form an adjective from the given word

Q11. Gold

(A)The Gold

(B)Golder

(C) Golden

(D)Goldest

Give the plural of the given word

Q12. Hero

(A) Heroine

(B) Heros

(C) Heroies

(D) Heroes

Fill in the blank with suitable word

Q13. Barking dogs bite

(A) regularly

(B) rarely

(C) seldom

(D) frequently

Identify the incorrect part

Q14. No boy in his son's class is as bright as his son is
A B C D

Identify the meaning of the given idioms/phrases

Q15. To live in fool's paradise

(A) to have an absolutely false conception

(B) to create a stir

(C) to be clear

(D) to get fairly involved

Identify the indirect speech

Q16. The teacher said to me, "Be regular and learn your lesson daily" The teacher:

(A) told me that to be regular and learn my lesson daily

(B) said to me regular and learn my lesson daily

(C) advised me to be regular and learn my lesson daily

(D) request me to be regular and learn lesson daily

Change the voice

Q17. It is time to buy books.

It is time _____

- (A) all the books to be bought
- (B) for the books to be bought
- (C) for books have been bought
- (D) for books are being bought

Read the following passage and answer Q No.18 to 20

“A man who has no sense of history”, Hitler declared, “is like a man who has no ears or eyes”. He himself claimed to have had a passionate interest in history since his school days and he displayed considerable familiarity with the course of European history. His conversation was studied with historical references and historical parallels. More than that, Hitler's whole cast of thought was historical, and his sense of mission was derived from his sense of history. Like his contemporary Spangler, Hitler was fascinated by the rise and fall of civilisations. He was himself born at a critical moment in European history when the liberal bourgeois world of the nineteenth century was disintegrating. What would take its place? The future lays with the 'Jew-Bolshevik' ideology of the masses unless Europe could be saved by the Nazi racist ideology of the elite.

Q18. Who has no ears or eyes?

- (A) A man having sense of history
- (B) A man who has no sense of history
- (C) A man who has extra knowledge
- (D) A man having passionate interest in history

Q19. Hitler displayed familiarity with:

(A)Scientific facts

(B)Indian history

(C)European history

(D)None of these

Q20. Hitler's sense of mission was derived from :

(A) His love of mankind

(B) his sense of history

(C) Nowhere

(D) contemporary society

**तर्कण एवं सामान्य अभिज्ञा : ग्रुप 'वाई' ट्रेड्स के लिए/MODEL QUESTIONS - REASONING AND
GENERAL AWARENESS FOR GROUP 'Y' TRADES**

Q.1. बेरी बेरी रोग किसकी कमी से होता है ?

Beri-Beri disease is caused by the deficiency of _____.

(A) विटामिन / Vitamin A

(B) विटामिन / Vitamin B

(C) विटामिन / Vitamin C

(D) विटामिन / Vitamin D

Q.2. भारत का राष्ट्रपति कौन है ? / Who is the President of India ?

(A) आर वेकंटरमन / R Venkat Raman

(B) ए पी जे अब्दुल कलाम / APJ Abdul Kalam

(C) प्रतिभा पाटिल / Pratibha Patil

(D) हामिद अंसारी / Hameed Ansari

Q.3. भूकंप की तीव्रता निम्न में से किसके द्वारा मापी जाती है ?/ An earthquake is recorded by a/an_____.

(A) दोलनदर्शी / Oscilloscope

(B) स्पेक्ट्रोस्कोप / Spectroscope

(C) भूकंपलेखी / Seismograph

(D) तापमापी / Thermometer

Q.4. स्वतन्त्र भारत का प्रथम गवर्नर जनरल कौन था ?
The first Governor General of free India was _____

- (A) सी. राजगोपालाचारी / C. Rajgopalachari
- (B) लार्ड माउंट बेटेन / Lord Mountbatten
- (C) डॉ. राजेन्द्र प्रसाद / Dr. Rajendra Prasad
- (D) डॉ. भीमराव अम्बेडकर / Dr. BR Ambedkar

Q.5. C. B. I प्रदर्शित करता है / C. B. I stands for _____.

(A) Central Board of India

(B) Central Bureau of Investigation

(C) Chemical and Biological Industry

(D) None of the above

Q.6. कम्प्यूटर में 'मानीटर' का तात्पर्य है / 'Monitor' of a computer is _____.

- (A) एक निर्गत युक्ति / An output device
- (B) एक निवेश युक्ति / An input device
- (C) कम्प्यूटर सॉफ्टवेयर / Computer software
- (D) उपर्युक्त में से कोई नहीं / None of the above

Q.7. 2010 कॉमनवेल्थ खेलों का आयोजन कहाँ किया जाना तय हुआ है ?

In which city 2010 Commonwealth Games are scheduled to be held ?

(A) सिडनी / Sydney

(B) लंदन / London

(C) टोरोन्टो / Toronto

(D) दिल्ली / Delhi

Q.8. यदि $A : B = 2 : 3$ और $B : C = 4 : 5$ है तो $C : A$ किसके बराबर है ?

If $A : B = 2 : 3$ and $B : C = 4 : 5$ then $C : A$ is equal to _____.

(A) $15 : 8$

(B) $12 : 1$

(C) $8 : 5$

(D) $8 : 15$

Q.9. यदि 3 संख्याओं का औसत 17 है और उनमें से प्रथम दो का औसत 16 है तो तीसरी संख्या क्या होगी ?

If the average of 3 numbers is 17 and that of the first two are 16, the third number is :

(A) 1

(B) 16

(C) 17

(D) 19

Q.10. दो संख्याओं का गुणनफल 20535 है । यदि उनका म०स०प० 37 है तो उनका ल०स०प० ज्ञात कीजिए ।

The product of two numbers is 20535. If their H.C.F is 37 then find their L.C.M ?

(A) 565

(B) 555

(C) 455

(D) 558

Q.11. एक आदमी अपने घोड़े को 1980 रूपए में बेचकर 10 प्रतिशत का लाभ कमाता है तो घोड़े का कय मूल्य होगा ?

A man sold his horse for Rs. 1980 and gained 10%. The horse was bought for_____.

(A) Rs. 1800

(B) Rs. 1782

(C) Rs. 2178

(D) None of the above

Q.12. 18 किमी प्रति घंटा की गति को मीटर प्रति सेकण्ड में व्यक्त करो ।

Express a speed of 18 km per hour in meter per second .

(A) 3

(B) 7

(C) 5

(D) 9

Q.13. एक व्यक्ति अपनी रू० 5000 प्रतिमाह की आमदनी का 16 प्रतिशत बचाता है । वह कितना खर्च करता है ?

A man saves 16% of his total income of Rs. 5000 per month. How much does he spend ?

(A) 4200

(B) 5800

(C) 8200

(D) 9000

Q.14. निम्न को सरल कीजिए ।

Simplify the following : $171 \div 19 \times 9 = ?$

(A) 1

(B) 18

(C) 81

(D) 0

Q.15. यदि एक आयत की चौड़ाई उसकी लम्बाई से 2 मीटर कम है और उसका परिमाप 32 मीटर है तो आयत का क्षेत्रफल क्या होगा ?

If the width of a rectangle is 2 metre less than its length and its perimeter is 32 metre then the area of the rectangle is _____.

(A) 224 वर्ग मीटर/ m^2

(B) 108 वर्ग मीटर/ m^2

(C) 99 वर्ग मीटर/ m^2

(D) 63 वर्ग मीटर/ m^2

Q.16. निम्न श्रेणी में विलुप्त संख्या ज्ञात कीजिए ।

Find out the missing number in the following series.

1, 8, 27, 64,

(A) 121

(B) 81

(C) 125

(D) 144

Ravi travelled 4 km straight towards South. He turned left and travelled 3 km straight. How far is he from the starting point ?

(A) 8 किमी/km

(B) 5 किमी/km

(C) 7 किमी/km

(D) 2 किमी/km

Q.18. निम्न में विसंगत का चयन करें । / Find the odd man out from the following :

(A) ऊटी/Ooty

(B) नैनीताल/Nainital

(C) मदुरै/Madurai

(D) दार्जिलिंग/Darjeeling

Q.19. यदि 'DOLLY' है 68 तो 'BOLLY' कितनी होगी ?

If 'DOLLY' is 68, then how much will be 'BOLLY' ?

(A) 65

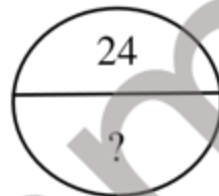
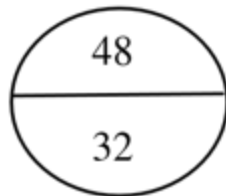
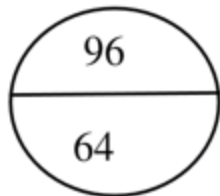
(B) 66

(C) 86

(D) 63

Q.20. निम्न आकृति में प्रश्नचिन्ह के स्थान पर कौन सी संख्या आयेगी ?

Which number should come in the region where question mark is placed ?



(A) 10

(B) 8

(C) 16

(D) 21

Q.21. निम्न में से उस शब्द युग्म का चयन कीजिए जिनमें शब्दयुग्म सम्बन्ध शिक्षक : विद्यार्थी की तरह है :

Select the lettered pair that has the same relationship as the pair of words like –
Teacher : Student.

(A) कोच : खिलाड़ी/Coach : Player

(B) कवि : कविता/Poet : Poetry

(C) पेन्टर : पेन्ट/Painter : paint

(D) निर्देशक : फिल्म/Director : Film

Q.22. एक पंक्ति में सात लोग खड़े हैं । Q, R के बायीं और लेकिन P के दाहिने और खड़ा है । O, N के दाहिने और P के बायीं और खड़ा है । इसी प्रकार से S, R के दाहिने और T के बायीं और खड़ा है । ज्ञात कीजिए कि कौन मध्य में खड़ा है ?

In a row seven persons are standing. Q is standing left to R but right to P. O is standing right to N and left to P. Similarly, S is standing right to R and left to T. Find out who is standing in the middle ?

(A) P

(B) R

(C) Q

(D) O

Q.23. यदि '+' का अर्थ \div , '-' का अर्थ \times , \div का अर्थ '-' और \times का अर्थ '+' तो निम्न का मान क्या होगा ?

If '+' means \div , '-' means \times , \div means '-' and \times means '+', what will be the value of the following ?

$$8 + 6 \div 4 - 7 \times 3$$

(A) $-23/2$

(B) 14

(C) $-71/3$

(D) 7

Q.24. अंग्रेजी शब्दकोश के आधार पर निम्न शब्दों में प्रथम स्थान पर कौन सा शब्द आयेगा ?
Which one comes first as per Dictionary words ?

Knowledge, Knife, Known, Kite

(A) Kite

(B) Knowledge

(C) Known

(D) Knife

Q.25. निम्न में किन को दो चिन्हों को आपस में बदलने से समीकरण सही हो जायेगा ?

Which one of the following interchanges in signs would make the given equation correct ?

$$3 - 9 \times 27 + 9 \div 3 = 3$$

- (A) + and – (B) \times and + (C) \times and \div (D) \times और/ and –

Q.26. निम्न दिए गए हुए विकल्पों में से विलुप्त शब्द का चयन कीजिए ।

Choose the missing term from the given alternative.

ZUA, XOC, VIE, TEG, (...)

(A) SAG

(B) RAI

(C) RAJ

(D) QAE

Q.27. निम्न श्रृंखला में कितने ऐसे 1 हैं जिनके तुरन्त पहले 9 है परन्तु बाद में 7 नहीं है ? ।

How many 1's are there in the following sequence which are immediately preceded by 9 but not immediately followed by 7 ?

719117189171213145713917

(A) एक/one

(B) दो/two

(C) तीन/three

(D) चार/four

Q.28. किसी भाषा में 'BANK' को 'ZYLI' से कूटित किया जाता है तो को उसी भाषा में 'TAXES' को किस में कूटित किया जाएगा ?

If in a certain language 'BANK' is coded as 'ZYLI' then how will 'TAXES' be coded in the same language ?

(A) RZCVQ

(B) RVCQZ

(C) RVYQC

(D) RYVCQ

Q.29. निम्न में प्रश्नचिन्ह के स्थान की पूर्ति कीजिए ।

Fill in the blanks at the place of ? in the following :

Calendar : Date :: Dictionary : ?

(A) time

(B) words

(C) numbers

(D) weight

Q.30. 46 की कक्षा में सरिता का स्थान 12वां है । अन्त से उसका स्थान क्या है ?

Sarita ranks twelfth in a class of forty six. What will be her rank from the last ?

(A) 33

(B) 35

(C) 37

(D) 34