KVS PGT CS

Previous Year Paper
2017

200 Questions

Que. 1 **Directions for Q. Nos. 1 to 3: In each of the following sentences, out of the given alternatives choose the one which best expresses the meaning of the underlined word:**

Relations between the two states have become glacial.

1. friendly
2. confused
3. cool
4. warm

Correct Option **- 3**

Que. 2 People generally avoid the company of garrulous persons.

1. talkative
2. unkind
3. quarrelsome
4. arrogant

Correct Option **- 1**

Que. 3 I try to keep myself away from mundane matters.

1. foolish
2. legal
3. unexciting
4. mysterious

Correct Option **- 3**

Que. 4 **Directions for Q. Nos 4 to 6: In each of the following sentences one part may have an error. Choose the one which has the error, if any.**

It is murder (1)/ trying to reach (2)/ one's office in such (3)/ an inclement weather(4).

1. 1
2. 2
3. 3
4. 4

Correct Option **- 1**

Que. 5 This goes only (1)/ halfway (2)/ to explaining (3)/ what really happened. (4)

1. 1
2. 2
3. 3
4. 4

Correct Option **- 3**

Que. 6 I asked (1)/ where was Ram (2)/ and she nodded (3)/ in the direction of the kitchen (4)

1. 1
2. 2

3. 3

4. 4

Correct Option - **2**

| Que. 7 | **Directions for Q. Nos 7 & 8: In the following items a word is followed by four explanatory expressions. Choose the expression which best describes the word:** |

Amnesty

1. revolt against the established government

2. lawlessness

3. general pardon

4. exemption from taking an oath

Correct Option - **3**

| Que. 8 | Kaleidoscope |

1. a situation containing different parts that keep on changing

2. a weapon used by the army to fire many shells at the same time

3. a clock that gives time of various countries

4. a telescope with different lenses

Correct Option - **4**

| Que. 9 | **Directions for Q. Nos. 9 to 11: Choose the word most nearly OPPOSITE in meaning to the given word.** |

Absolve

1. Repeat

2. Repent

3. Blame

4. Bless

Correct Option - **3**

| Que. 10 | Indolence |

1. Dullness

2. Laziness

3. Diligence

4. Prevention

Correct Option - **3**

| Que. 11 | Elaborate |

1. Cold

2. Abridge

3. Illustrate

4. Inspire

Correct Option - **2**

| Que. 12 | **Directions for Q. Nos 12 to 14: Complete the following sentences by using the correct form of the verb with the help of options that follow:** |

New members _____ temporary identity cards tomorrow.

1. have been issued
2. were issued
3. will be issued
4. were going to be issued

Correct Option **- 3**

Que. 13 When I went to Mumbai, I realized that I _____ there.

1. shall not have gone
2. needn't have gone
3. must not have gone
4. need not to have gone

Correct Option **- 2**

Que. 14 The sky is very cloudy it _____ soon.

1. is going to rain
2. is likely rain
3. would have rained
4. must have rained

Correct Option **- 1**

Que. 15 **Directions for Q. Nos 15 to 17: In each of the following sentences improve the underlined part with the help of given options:**

Keep him <u>at an arm's length</u> lest you should suffer.

1. from an arm's length
2. at arm's length
3. at an arm long
4. from arms length

Correct Option **- 2**

Que. 16 Such a job <u>that you want</u> is not available now.

1. as you want
2. which you wanted
3. that you wanted
4. which you want

Correct Option **- 3**

Que. 17 If it did not rain, you <u>may reach</u> there in time.

1. might have reached
2. may have reached
3. might reach
4. might reached

Correct Option **- 3**

Que. 18 | Directions for Q. Nos 18 to 20: Each of the following idioms is followed by four meaning. Choose the one which best expresses its meaning.

For the hell of it

1. to be very unpleasant
2. just for fun
3. with an evil design
4. for the suffering it caused

Correct Option - **2**

Que. 19 | On cloud nine

1. to be very proud
2. to reach the end of one's career
3. to be very confused
4. to be very happy

Correct Option - **4**

Que. 20 | A lick and a promise

1. to do something quickly and carelessly
2. to do something neatly and on time
3. to do something quickly and carefully
4. to enjoy something wholeheartedly

Correct Option - **1**

Que. 21 | **'आँख दिखाना'** मुहावरे का अर्थ क्या है?

सही विकल्प का चयन कीजिए :

1. इशारा करना
2. सलाह लेना
3. दवा पूछना
4. धमकी देना

Correct Option - **4**

Que. 22 | निम्नलिखित शब्दों में से किस शब्द में 'पन' प्रत्यय नहीं है ? सही विकल्प चुनिए :

1. बालपन
2. भोलापन
3. धनवंत
4. मनमानापन

Correct Option - **3**

Que. 23 | 'अवतरण' शब्द में कौन सा उपसर्ग है ? नीचे दिए गए विकल्पों में से सही विकल्प का चयन कीजिए :

1. अवत
2. अ
3. अव

4. रण

Correct Option - **3**

Que. 24 'मेरी लड़की कौन है?' - वाक्य में कौन सा कारक है? नीचे दिए गए विकल्पों में से सही विकल्प की पहचान कीजिए :

1. सम्बन्ध कारक
2. अधिकरण कारक
3. संप्रदान कारक
4. कर्ता कारक

Correct Option - **1**

Que. 25 निम्नलिखित में से कौन सा शब्द तत्पुरुष समास का उदहारण है ? सही विकल्प का चयन कीजिए :

1. हरिशंकर
2. राजपुत्र
3. पीताम्बर
4. रात-दिन

Correct Option - **2**

Que. 26 'ऊँट के मुँह में जीरा' - इस लोकोक्ति का सही अर्थ नीचे दिए गए विकल्पों में से चुनिए :

1. बीमारी की दवा
2. स्वाद बढ़ाने का उपाय
3. चाल बढ़ाने का संकेत
4. बहुत कम मात्रा में आपूर्ति

Correct Option - **4**

Que. 27 निम्नलिखित शब्दों में से तत्सम शब्द कौन सा है ?

1. दिवस
2. पहरा
3. आँसू
4. रेखां

Correct Option - **1**

Que. 28 'प' किस तरह की ध्वनी है ? नीचे दिए गए विकल्पों में से सही विकल्प का चयन कीजिए :

1. कंठ्य
2. मूर्धन्य
3. ओष्ठ्य
4. तालव्य

Correct Option - **3**

Que. 29 'रहीम' किस तरह की सज्ञा है ? नीचे दिए गए विकल्पों में से सही विकल्प का चयन कीजिए :

1. व्यक्तिवाचक

2. भाववाचक

3. जातिवाचक

4. समूहवाचक

Correct Option - 1

Que. 30 निम्नलिखित विकल्पों में से शुद्ध वर्तनी वाले शब्द का चुनाव कीजिए :

1. सरवन

2. सर्वण

3. श्रवण

4. शवर्ण

Correct Option - 3

Que. 31 किसी स्वर की सहायता से उच्चारित होने वाले वर्ण क्या कहलाते हैं ? निम्नलिखित विकल्पों में से उपयुक्त विकल्प की पहचान कीजिए :

1. विसर्ग

2. व्यंजन

3. महाप्राण

4. अनुस्वार

Correct Option - 2

Que. 32 वर्तमान हिन्दी किस लिपि में लिखी जाती है ?

1. खरोष्ठी

2. मंडारिन

3. पालि

4. देवनागरी

Correct Option - 4

Que. 33 निम्नलिखित विकल्पों में से शुद्ध वाक्य चुनिए :

1. मेरे को भूख है I

2. कल घर आऊँगा I

3. राजा जरुर मरेगी I

4. वह बोले I

Correct Option - 2

Que. 34 निम्नलिखित विकल्पों में से 'गायक' शब्द का स्त्रीलिंग छाँटिएं :

1. गायिका

2. वादिका

3. नर्तकी

4. संवादी

Correct Option - 1

Que. 35 'गाय चर रही है I' इस वाक्य का सही बहुवचन रूप है :

1. गावें चर रही हैं I
2. गायें चर रही है I
3. गायें चर रही हैं I
4. गउएँ चर रही हैं I

Correct Option - **3**

Que. 36 'दिन' का सही विलोम शब्द निम्नलिखित विकल्पों में से चुनिए :

1. दुर्दिन
2. सुदिन
3. रात
4. सुबह

Correct Option - **3**

Que. 37 निम्नलिखित में से कौन सा शब्द 'समुद्र' का पर्यायवाची है ?

1. सरिता
2. सागर
3. सरोवर
4. जलद

Correct Option - **2**

Que. 38 निम्नलिखित वाक्यांश के लिए दिए गए विकल्पों में से सटीक शब्द का चयन कीजिए 'दूसरों का उपकार करने वाला' :

1. विधर्मी
2. परोपकारी
3. दुभाषिया
4. परदेशी

Correct Option - **2**

Que. 39 नीचे दिए गए वर्ण विच्छेद के लिए सही शब्द निम्नलिखित विकल्पों में से चुनिए :

क् + र् + इ + य + आ

1. क्रिया
2. किरिया
3. क्रीया
4. कृया

Correct Option - **1**

Que. 40 'प्रति + एक' संधि से कौन सा शब्द बना ?

1. प्रतिएक
2. प्रतीक
3. प्रत्येक

4. प्रातेक

Correct Option - **3**

| Que. 41 | Which of the following refers to 'No Development Zone' as declared by the National Green Tribunal recently? |

1. A bridge will be built over river Ganga between Haridwar and Unnao
2. Roads will be made connecting Haridwar to Unnao.
3. An area of 100 meters from the edge of Ganga between Haridwar to Unnao will be turned into green belts.
4. Haridwar and Unnao will be developed more

Correct Option - **1**

| Que. 42 | Under which of the following article of the Constitution, has the right to privacy been included as fundamental rights? |

1. Article 20
2. Article 22
3. Article 18
4. Article 21

Correct Option - **4**

| Que. 43 | With whom of the following has Indian Council of Medical Research signed a pact for vaccine research and development recently? |

1. International Vaccine Institute
2. National Vaccine Institute
3. International Institute of Vaccination
4. National Institute of Vaccine Immunology

Correct Option - **1**

| Que. 44 | Which of the following refer to GEF grant agreement recently signed between the Central Government and the World Bank? |

1. Monetary Fund Regulation Project
2. Ecosystem Service Improvement Porject
3. Trade and Tariffs Project
4. Employment Opportunities Project

Correct Option - **2**

| Que. 45 | Which of the following anniversary of Quit India Movement was celebrated in 2017? |

1. 73rd Anniversary
2. 76th Anniversary
3. 75th Anniversary
4. 74th Anniversary

Correct Option - **3**

| Que. 46 | Which of the following is the latest historic discovery? |

1. Sun's core and surface rotate at the same speed
2. Sun's core rotates four times faster than its surface
3. Sun's surface rotates four times faster than its core.
4. Sun's core do not rotate.

Correct Option **- 2**

Que. 47 Which of the following institute has recently launched India's heaviest rocket which put GSAT -19 in space?

1. ISS
2. ISSO
3. ISRO
4. NASA

Correct Option **- 3**

Que. 48 Which of the following app has been recently launched to help the disabled to find the accessible public places?

1. Billion Ables
2. Million Ables
3. Trillion Ables
4. Tetra Ables

Correct Option **- 1**

Que. 49 Which one of the following is China's next generation bullet train?

1. Ruxing
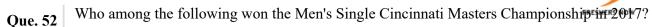2. Beixing
3. Boxing
4. Fuxing

Correct Option **- 4**

Que. 50 Which of the following government is set to launch 'My Plant' app to create database on tree plantation?

1. Maharashtra Govt.
2. Kerala Govt.
3. Karnataka Govt.
4. U.P Govt.

Correct Option **- 1**

Que. 51 Who among the following won the Gold Medal in the Women's 20 km Walk at World Athletics, 2017?

1. Yang Jiayu
2. Lyu Xiuzhi
3. Maria Gaudalupe
4. Khushbir Kaur

Correct Option **- 1**

Que. 52 Who among the following won the Men's Single Cincinnati Masters Championship in 2017?

1. N. Kyrgios
2. Simon Halep
3. G. Dimitrov
4. Rafael Nadal

Correct Option - **3**

Que. 53 In which of the following country was the Greco-Roman and Free Style Wrestling World Cup for 2017 organised?

1. India
2. Iran
3. America
4. Pakistan

Correct Option - **2**

Que. 54 Which of the following city hosted the Senior Asian Wrestling Championship 2017?

1. Sarajevo
2. Budapest
3. Belgrade
4. New Delhi

Correct Option - **4**

Que. 55 Which of the following refers to the recently launched 'Sagar Vani'?

1. An integrated information dissemination system related to education
2. An integrated information dissemination system related to ocean alerts
3. An integrated information dissemination system related to industries
4. An integrated information dissemination system related to professional skill development

Correct Option - **2**

Que. 56 Which of the following government is recruiting a Special Rhino Protection Force (SRPF) to protect one-horned rhinos?

1. Kerala Government
2. Tamil Nadu Government
3. Assam Government
4. Bengal Government

Correct Option - **3**

Que. 57 Which among the following day was celebrated as 'The International Tiger Day' in 2017?

1. September 29
2. June 29
3. August 29
4. July 29

Correct Option - **4**

Que. 58 Which of the following refers to 'Suchitwa Mission' recently launched in Kerala?

1. It is a state nodal agency of sanitation and is promoting plastic free wedding ceremonies.
2. It is a mission to promote crop production.
3. It is a state nodal agency of preserving water.
4. It is a state nodal agency of protecting elephants.

Correct Option **- 1**

Que. 59   Which among the following was the theme of the World Environment Day in 2017?
1. Go Green
2. Connecting People to Nature
3. Biodiversity
4. Stop Pollution

Correct Option **- 2**

Que. 60   Which of the following campaign has been recently launched by the Ministry of Environmental to reduce the adverse environmental conditions?
1. Harit Diwali, Swasth Diwali
2. Swasth Diwali, Sab ki Diwali
3. Is Diwali, Harit Diwali
4. Swasth Diwali, Meethi Diwali

Correct Option **- 1**

Que. 61   Two friends A and B have a total amount of Rs. 1,200. If $\frac{7}{12}$ th A's amount is the same as 25% of B's amount, how much amount does B have?
1. Rs. 360
2. Rs. 480
3. Rs. 840
4. Rs. 960

Correct Option **- 3**

Que. 62   A town has 40% men and 35% women in its population. Of all the children in the town, 40% are girls. If the total number of girls is 1200 what is the total population?
1. 15500
2. 14000
3. 12000
4. 11500

Correct Option **- 3**

Que. 63   Two students A and B appeared in an examination in which A scored 12% more than B. B scored approximately what percent less than A?
1. 20%
2. 16.67%
3. 12%
4. 10.7%

Correct Option **- 4**

Que. 64 The sum of two numbers is 33 and their difference is 7. Find the sum of their squares.

1. 829
2. 569
3. 469
4. 319

Correct Option **- 2**

Que. 65 If $(\frac{1}{5})^{3y} = 0.008$, then find the value of $(0.25)^y$

1. 1.00
2. 0.75
3. 0.50
4. 0.25

Correct Option **- 4**

Que. 66 If 50% of the difference between two numbers equals 30% of their sum, then what is the ratio between the numbers?

1. 2 : 1
2. 1 : 3
3. 4 : 1
4. 1 : 5

Correct Option **- 3**

Que. 67 If the numerator of a fraction is increased by 10% and denominator is decreased by 10%, then the percent increase in the value of the fraction would be

1. 10.5%
2. 19.3
3. 22.2%
4. 25.4%

Correct Option **- 3**

Que. 68 A shopkeeper gives successive discounts of 20%, 10% and 5%. A customer bought an article for Rs. 342. The marked price of the article was

1. Rs. 600
2. Rs. 500
3. Rs. 480
4. Rs. 400

Correct Option **- 2**

Que. 69 A student walks at a speed of 5 km/hr from home and reaches his school at 7 a.m. When he walks at a speed of 6 km/hr, he reaches 15 minutes earlier. The distance between his home and his school is:

1. 4.5 km
2. 5.5 km
3. 6.5 km
4. 7.5 km

Que. 70 Two trains of length 120 m and 90 m run in the same direction with speeds of 72 km/hr and 54 km/hr respectively. The approximate time taken by the longer train to cross the shorter one will be

1. 42 seconds
2. 65 seconds
3. 95 seconds
4. 115 seconds

Correct Option - **1**

Que. 71 Find the number of triangles in the figure given below:

1. 20
2. 17
3. 12
4. 9

Correct Option - **2**

Que. 72 Two pipes A and B fill a tank in 15 and 30 minutes respectively. A third pipe C empties it in 20 minutes. If all the three pipes are opened simultaneously, then the time taken to fill the tank will be

1. 45 minutes
2. 35 minutes
3. 20 minutes
4. 10 minutes

Correct Option - **3**

Que. 73 A fruit vendor bought bananas at the rate of 10 bananas for Rs. 8 and sold them at the rate of 8 bananas for Rs. 10. His profit percent was

1. 20.75%
2. 28.25%
3. 38.75%
4. 56.25%

Correct Option - **4**

Que. 74 Find the number of triangles in the adjoining figure:

1. 8
2. 16
3. 20
4. 24

Correct Option - **4**

Que. 75 Find the next term in the series given below:

AMNZ, BLOY, CKPX, DJQW, _____?

1. EHSW
2. EIRV
3. FHQV
4. FGPT

Correct Option - **2**

Que. 76 The medians of a triangle intersect at a point inside it. The total number of triangles in the resulting figure are

1. 6
2. 12
3. 16
4. 18

Correct Option - **3**

Que. 77 Find the order of appearance of the given words in the English Dictionary:

a. Preparation

b. Preoccupation

c. Premeditation

d. Preservation

1. a, b, d, c
2. d, b, a, c
3. b, c, d, a
4. c, b, a, d

Correct Option - **4**

Que. 78 If 'A' is 'B's brother, 'C' is A's mother, 'B' is 'D' grand-daughter and 'F' is A's son, then how is 'F' related to 'D'?

1. Grandson
2. Great Grandson
3. Grandson-in-law
4. Son-in-law

Correct Option - **2**

Que. 79 A man walks 8 km towards South and then turns left. After walking 6 km, he turns partially left in such a way that while walking straight he reaches his starting point. The total distance travelled by him was

1. 10 km
2. 19 km
3. 24 km
4. 30 km

Correct Option - **3**

Que. 80 Rakesh introduced a girl saying, 'Her mother is the only daughter of my mother-in-law." How is the girl related to Rakesh?

1. Daughter
2. Cousin
3. Sister
4. Wife

Correct Option - **1**

Que. 81 A slow learner is one whose classroom achievement

1. is below the class average
2. does not improve even with remedial teaching.
3. falls short to achievement of children with same I.Q.
4. is below pass mark

Correct Option - **1**

Que. 82 World Literacy Day falls on

1. 8th March
2. 11th July
3. 8th September
4. 10th December

Correct Option - **3**

Que. 83 Which of the following statements <u>does not</u> correspond to the concept of special education? Special education is

1. very important to ensure optimum human resource development.
2. a total program which is entirely different from the education of normal children.
3. one which includes some specific aspects of education in addition to the regular programmes for all children.
4. one which very much requires specific teaching methods that circumvent children's deficiency.

Correct Option - **3**

Que. 84 When most of the students obtain high scores, the distribution is termed as

1. Normal
2. Positively skewed
3. Negatively skewed
4. Leptokurtic

Correct Option **- 3**

Que. 85 Which one of the following is not a principle of guidance?

1. Principle of individual differences.
2. Principle of prescriptiveness.
3. Principle of co-operativeness.
4. Principle of wholeness of individual

Correct Option **- 2**

Que. 86 Lecture method is most valuable in

1. enhancing students participation
2. solving students problems
3. promoting self-study
4. providing in depth knowledge

Correct Option **- 4**

Que. 87 The main characteristics of standardized tests is that they are free from

1. Interpretive errors
2. Personal errors
3. Variable errors
4. Constant errors

Correct Option **- 2**

Que. 88 Skinner's Operant Conditioning theory can be best represented by

1. R- S
2. S - R
3. $R\dfrac{O}{RN}S$
4. $S\dfrac{O}{NR}R$

Correct Option **- 1**

Que. 89 Which agency has been assigned for monitoring of child's Right to Education at the national level?

1. National Council of Educational Research & Training (NCERT)
2. National Council for Teacher Education (NCTE)
3. Central Board of Secondary Education (CBSE)
4. National Commission for Protection of Child Rights (NCPCR)

Correct Option **- 4**

Que. 90 A school dropout from class II aged 13 years will have to be admitted to which class as per RTE, Act 2009?

1. Class III
2. Class V
3. Class VI
4. Class VII

Correct Option **- 4**

Que. 91 Constructivism theory was propounded by

1. Chomsky
2. Vygotsky
3. Piaget
4. Terman

Correct Option **- 3**

Que. 92 The idea of multipurpose schools was mooted by

1. Radhakrishnan Commission (1948-49)
2. Mudaliar Commission (1952-53)
3. Kothari Commission (1964-66)
4. National Policy on Education (1986)

Correct Option **- 2**

Que. 93 In the post-independence era the issue of vocationalization of education was dealt with by a committee chaired by

1. Ishwar Bhai J. Patel
2. Laxmiswamy Mudaliar
3. Melcom Adisheshaiyah
4. D. S. Kothari

Correct Option **- 3**

Que. 94 A learning theory given by Sheriff and Cantril is known as

1. Field Theory
2. Insight Theory
3. Ego-Involvement Theory
4. Conditioning Theory

Correct Option **- 3**

Que. 95 Which of the following Psychologists defined General Intelligence as 'a global capacity to think rationally, act purposefully and deal effectively with the environment'?

1. Spearman
2. Thurston
3. Thomson
4. Wechsler

Correct Option **- 4**

Que. 96 Reliability of a test means

1. Genuineness of the test
2. Originality of the test
3. Strength of measurement
4. Consistency of measurement

Correct Option **- 4**

Que. 97 Which one of the following is <u>not</u> a guiding principle of National Curriculum Framework 2005?

1. Connecting knowledge to life outside the school.
2. Ensuring that learning shifts away from rote methods.
3. Ensuring that curriculum perfectly corresponds to the textbooks
4. Making examinations more flexible and integrating them with classroom life.

Correct Option **- 3**

Que. 98 Hindrance in Socialization is caused by

1. Religion
2. Equality
3. Politics
4. Prejudices

Correct Option **- 4**

Que. 99 Continuous and Comprehensive Evaluation mainly aims at promoting

1. Competition among children
2. Competition among teachers
3. Academic excellence among children
4. Inclusive education

Correct Option **- 4**

Que. 100 If some students create disturbance in your class, you will

1. report their names to the Principal
2. ask them to get out of the class
3. understand their potential and engage them in appropriate activities
4. assign them heavy homework

Correct Option **- 3**

Que. 101 Which of the following most accurately describes "multiple inheritance"?

1. When two classes inherit from each other.
2. When a child class has two or more parent classes.
3. When a base child has two or more derived classes.
4. When a child class has both an "is a" and "has a" relationship with its parent class.

Correct Option **- 2**

Que. 102 The logic circuit of binary adder which is used to add 4-bits binary numbers, requires _____ half adder (s) and _____ full adder(s).

1. 1,3
2. 3,1
3. 2,2
4. 4,0

Correct Option **- 1**

Que. 103 _____ refers to the amount of time required to position the read - white head of a hard disk on appropriate sector.

1. Seek time
2. Rotational latency
3. Access time
4. Load time

Correct Option **- 1**

Que. 104 Anti-aliasing is important to improve the readability of text. It deals with the:

1. Spacing between two individual characters.
2. Spacing of a group of characters.
3. Underlining of letters.
4. Elimination of "jaggies".

Correct Option **- 4**

Que. 105 Assume X and Y are non-zero positive integers. consider the following pseudo code fragment:

while X <> Y do

if X > y then

X <- X - Y

else

Y <- Y - X

endif

endwhile

print (X)

What is the code doing?

1. It computes the LCM of two numbers.
2. It divides the largest numbers by the smaller.
3. It finds the smallest of two numbers.
4. It computes the GCD of two numbers.

Correct Option **- 4**

Que. 106 How many gate(S) would be required to implement the following Boolean expression after simplification?
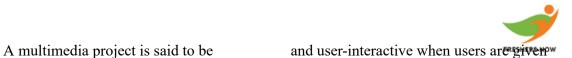
Expression : AC + ABC

1. 1
2. 2
3. 3
4. 4

Correct Option **- 1**

Que. 107 To declare the version of XML, the correct syntax is:

1. <> xml version = '1.0'/>
2. <? xml version = "1.0"/>
3. <* xml version ='1.0/>
4. </ xml version = '1.0'/>

Correct Option **- 2**

Que. 108   A multimedia project is said to be _____ and user-interactive when users are given navigational control.

1. Hypertext
2. Non-linear
3. Linear
4. Secure

Correct Option **- 2**

Que. 109   On which of the following storage media, storage of information is organized as a single continuous spiral groove?

1. Ram
2. Floppy disk
3. Hard disk
4. CD-ROM

Correct Option **- 4**

Que. 110   The addressing mode used in an instruction of the from ADD X,Y is:

1. Absolute
2. Indirect
3. Immediate
4. Index

Correct Option **- 1**

Que. 111   The problem of indefinite blockage of low-priority jobs in general priority scheduling algorithm can be solved using:

1. Dirty bit
2. Compaction
3. Aging
4. Swapping

Correct Option **- 3**

Que. 112   What is garbage collection in the context of Java?

1. The operating system periodically deletes all of the Java files available on the system.
2. When all references to an object are gone, then the memory used by the object is automatically reclaimed.
3. Any java package imported in a program and not being used, is automatically deleted.
4. The java virtual machine (JVM) checks the output of any java program and deleted anything that does not make sense at all.

Correct Option **- 2**

Que. 113   Which of the following represents the life-cycle of software development ?

1. Analysis -> Design -> Coding -> testing -> operation and maintenance
2. Analysis -> Design -> Coding -> operation and maintenance -> testing
3. Design -> Analysis -> Coding -> testing -> operation and maintenance
4. Design -> Analysis -> Coding -> operation and maintenance -> testing

---

Que. 114 In a relational database model, cardinality of a relation means

1. The number of tuples
2. The number of tables
3. The number of attributes
4. The number of constraints

Correct Option - **1**

Que. 115 The 10 base 5 cabling is also known as _____.

1. Thick Ethernet
2. Gigabit Ethernet
3. Thin Ethernet
4. Fast Ethernet

Correct Option - **1**

Que. 116 What is the bit rate for transmitting uncompressed 880 X 600 pixel color frame with 8 bits/pixel at 40 frames / second ?

1. 2.4 mbps
2. 153.6 mbps
3. 15.36 mbps
4. 1536 mbps

Correct Option - **2**

Que. 117 What is the length of an IP address in bytes (pre-IPv6)?

1. 1
2. 4
3. 2
4. 8

Correct Option - **2**

Que. 118 Program counter contents indicate:

1. The time elapsed since execution begins.
2. The count of programs being executed after switching the power ON
3. The address where next instruction is stored.
4. The time needed to execute a program.

Correct Option - **3**

Que. 119 Which of the following is the most appropriate format for graphics that are to be embedded within an internet document?

1. BMP
2. GIF
3. TIFF
4. HTML

Correct Option - **2**

Que. 120 The technology that stores only the essential instructions on a microprocessor chip and thus enhances its speed is referred to as:

1. CISC
2. SIMD
3. RISC
4. MIMD

Correct Option - **3**

Que. 121 Ten signals, each requiring 3000 Hz, are multiplexed onto a single channel using FDM. How much minimum bandwidth is required for the multiplexed channel? Assume that the guard bands are 300 Hz wide.

1. 30,000
2. 33,000
3. 32,700
4. 33,700

Correct Option - **3**

Que. 122 In which addressing mode, the operand is given explicitly in the instruction (Example instruction : ADD R4, #3)

1. Absolute mode
2. Register indirect mode.
3. Immediate mode
4. Based Indexed mode.

Correct Option - **3**

Que. 123 In relational databases, the natural join of two tables is:

1. Combination of Union and filtered Cartesian product.
2. Combination of projection and filtered Cartesian product.
3. Combination of selection and filtered Cartesian product
4. Cartesian product always

Correct Option - **2**

Que. 124 Which of the following memory improves the speed of execution of a program?

1. Primary memory
2. Cache memory
3. Secondary memory
4. Virtual memory

Correct Option - **2**

Que. 125 Which of the following devices understands the format and contents of the data and translate message from one format to another?

1. Hub
2. Router
3. Switch

4. Gateway

Correct Option - **4**

Que. 126   Buying and selling goods over the internet is called:

1. Hyper-marketing
2. E-Commerce
3. Cyber-selling
4. Euro-Conversion

Correct Option - **2**

Que. 127   Mechanism that is used to convert domain name into IP address is known as _____.

1. URL
2. DNS
3. FTP
4. HTTP

Correct Option - **2**

Que. 128   An analog signal carries 4 bits in each signal unit. If 1000 signal units are sent per second, then baud rate and bit rate of the signal are _____ and _____.

1. 1000 bauds / sec, 500 bps
2. 2000 bauds / sec, 1000 bps
3. 4000 bauds / sec, 1000 bps
4. 1000 bauds / sec, 4000 bps

Correct Option - **4**

Que. 129   Which of the following data structures is most suitable for evaluating postfix expressions?

1. Stacks
2. Queue
3. Linked list
4. Tree

Correct Option - **1**

Que. 130   The complexity of linear search algorithm is:

1. O (n)
2. O (n*n)
3. O (log n)
4. O (n log n)

Correct Option - **1**

Que. 131   For the following binary tree, inorder traversal yields the expression:

1. a + bd* - ef /
2.   a + b*d - e/f
3. abdef* / + -
4. - + * / abdef

Correct Option **- 2**

Que. 132 Given that a 22-inch monitor with an aspect ratio of 16 : 9 has a monitor resolution of 1920 X 1080, what is the width of the monitor?

1. 8.53 inches
2. 19.17 inches
3. 10.79 inches
4. 22 inches

Correct Option **- 2**

Que. 133 The number of bits require to represent decimal number 4096 in binary form is _____ .

1.   10
2. 13
3. 12
4. 16

Correct Option **- 2**

Que. 134 In the context of Visual basic, multiple controls of the same type can be grouped into an array, in the same manner as a collection of data items. Such a grouping is known as :

1. Primary array
2. An integer array
3. Secondary array
4. Control array

Correct Option **- 4**

Que. 135 What is the octal equivalent of the hexadecimal number 132A?

1.   11450
2. 46250
3. 11452
4. 46252

Correct Option **- 3**

Que. 136 Consider the following code segment:

if (Y<0)

{X=-X;Y=-Y;}

Z = 0;

While (Y>0)

{Z=Z+X;Y=-1;}

Assume that X,Y and Z are integer variables, and that X and Y have been initialized. which of the following best describes what this code segment does ?

1. Sets Z to be the sum X + Y
2. Sets Z to be the value of Y
3. Sets Z to be the absolute value of Y
4. Sets Z to be the product X*Y

Correct Option - **4**

Que. 137 The five items P,Q,R,S and T are pushed in a stack, one after the other starting from P. The stack is popped four times and each element is inserted in a queue. Then two elements are deleted from the queue and pushed back on the stack. now one item is popped from the stack. The popped item is:

1. P
2. R
3. Q
4. S

Correct Option - **4**

Que. 138 Conceptual level, internal level and External level are three components of the three-level RDBMS architecture. which of the following is not of the conceptual level?

1. Entities, attributes, relationships
2. Semantic information
3. Constraints
4. Storage dependent details

Correct Option - **4**

Que. 139 Consider two database relations R and S having 3 tuples in R and 2 tuples in S. what is the maximum number of tuples that could appear in the natural join of R and S?

1. 2
2. 5
3. 3
4. 6

Correct Option - **4**

Que. 140 When an ASP.NET file is placed on an IIS sever and viewed through a browser, the resulting HTML Page contains?

1. All ASP.NET code
2. As much ASP.NET code as is in the ASP.NET file
3. all HTML code
4. A mix of ASP.NET and HTML code

Correct Option - **3**

Que. 141 What result set is returned from the following SQL query?

A. Select customer_name, telephone

From customers

Where city in ('Jaipur', Delhi', Agra)

1. The customer_name and telephone of all customers.
2. The customer_name and telephone of all customers Living in Jaipur, Delhi and Agra.
3. The customer_name and telephone of all customers Living in either Jaipur Delhi or Agra.
4. The customer_name and telephone of all customers who are not living in Jaipur, Delhi or Agra.

Correct Option - **3**

Que. 142 Which of the following transmission media works on the principle of total internal reflection ?

1. Shielded twisted pair cable
2. Coaxial cable
3. Unshielded twisted pair cable
4. Optical fiber cable.

Correct Option - **4**

Que. 143 Semaphores are used to solve the problem of _____.

1. Race Condition
2. The belady problem
3. Process synchronization
4. mutual exclusion

Correct Option - **3**

Que. 144 An entity set that does not have sufficient attributes to form a key is termed as:

1. Strong entity set
2. Simple entity set
3. Weak entity set
4. Primary entity set

Correct Option - **3**

Que. 145 A combinational logic circuit that is used when it is desired to send data from two or more source through a single transmission line is known as _____.

1. Encoder
2. Multiplexer
3. Decoder
4. Demultiplexer

Correct Option - **2**

Que. 146 A condition that is caused by run-time error in a computer program is known as:

1. Syntax error
2. Fault
3. Semantic error
4. Exception

Correct Option - **4**

Que. 147 A register in the microprocessor that keeps track of the answer or result of any arithmetic or logic operation is the _____.

1. Stack pointer
2. Instruction pointer
3. Program counter
4. Accumulator

Correct Option - **4**

Que. 148 Which of the following is true to define a variable for ASP?

1. Dim
2. Sets
3. $
4. Var

Correct Option - **1**

Que. 149 _____ is an intermediate storage area used for data processing during the extract, transform and load process of data warehousing .

1. Buffer
2. Virtual memory
3. Staging area
4. inter-storage area

Correct Option - **3**

Que. 150 Which of the following Java statements declare and allocate a 2-dimensional array of integers with four rows and five columns?

1. int array [4][5];
2. int array [][] = new int [4][5]
3. int array [5][4];
4. int array [][]= new int [5][4]

Correct Option - **2**

Que. 151 Copying a process from memory to disk to allow space for other processes is called _____.

1. Deadlock
2. Swapping
3. Page fault
4. Demand paging

Correct Option - **2**

Que. 152 Which of the following methods in java script will display a window having a dialog box with a specified message, along with an OK and a CANCEL button as options?

1. Alert
2. Request
3. Confirm
4. Prompt

Que. 153 Which of the following statements best describes the main reasons for normalizing relational database?

I. To achieve physical data independence.

II. To remove data anomalies (insertion, update, deletion, anomalies).

III. To save space on Disk.

1. (I) and (II) only
2. (II) and (III) only
3. (I) and (III) only
4. (I) (II) and (III)

Correct Option - **2**

Que. 154 Consider the database table "Persons" having person_ID as the primary key.

Person_ID	Name	Age
1000	Rajan	40
-	Jatin	-45
1001	Rajesh	35

What are the constraints violated by the above table?

1. Referential integrity only
2. Referential and domain integrity
3. Entity and domain integrities
4. Relationship integrity

Correct Option - **3**

Que. 155 The Boolean expression

(A + C) (AB' + AC) (AC' + B')

Can be simplified as:

1. AB'
2. AB + A'C
3. AB + BC
4. A'B + BC

Correct Option - **1**

Que. 156 Consider the following statements:

S1: A small page size causes large page tables.

S2: Internal fragmentation is increased with small pages.

S3: I/O transfers are more efficient with large pages.

Which of the following is true?

1. S1 and S2 are true
2. S1 is true and S2 is false
3. S2 and S3 are true
4. S1 is true S3 is false

Que. 157 The easiest method in Flash to draw a heptagon is to use the _____.

1. Polygon Tool.
2. Polystar Tool with the "Star" style.
3. Lasso Tool with the "Create star" option.
4. Polystar tool with the "Polygon" style.

Correct Option - **4**

Que. 158 Consider the following statements with respect to JavaScript:

(I) A variable is created using the var keyword

(II) JavaScript is untyped language.

Which of the above are true?

1. (I) only
2. Both (I) and (II)
3. (II) only
4. neither (I) nor (II)

Correct Option - **2**

Que. 159 With SQL, how can you return the number of records in the "persons" table?

1. SELECT COUNT () FROM persons
2. SELECT COLUMN (*) FROM persons
3. SELECT COLUMN () FROM persons
4. SELECT COUNT (*) FROM persons

Correct Option - **4**

Que. 160 What is the correct HTML tag for the largest heading?

1. <head> = large
2. <h6>
3. <heading> = large
4. <h1>

Correct Option - **4**

Que. 161 An operating system contains 3 user processes each requiring 2 units of resource R. The minimum number of units of such that no deadlock will ever occur is:

1. 2
2. 4
3. 3
4. 5

Correct Option - **2**

Que. 162 Java is a _____ language. This means that you must be explicit about what type of data you are working with.

1. Strongly typed
2. Loosely typed

3. Dynamically typed
4. Weakly typed

Correct Option **- 1**

Que. 163 What correction is required for following Java code snippet to compile?

int [ ] X = new int [10];

for (int P = 0; P <= X.length (); P++)

X [P] = 5;

1. P <= X.length() should be P < X.length()
2. P++ should be P + 1
3. X.length() should be X.length
4. X[P] = 5 should be X(P) = 5

Correct Option **- 3**

Que. 164 The minimum number of comparisons for a particular record among 32 sorted records through binary search method will be:

1. 16
2. 5
3. 8
4. 2

Correct Option **- 2**

Que. 165 The kernel keeps track of the state of each executing program by using a data structure called _____.

1. User control block
2. Memory control block
3. File control block
4. Process control block

Correct Option **- 4**

Que. 166 What is the form of DTD that is used to describe content in an XHTML document?

1. Document Type Definition
2. Document Text Definition
3. Document towards Definition
4. Document To Definition

Correct Option **- 1**

Que. 167 The term sum-of-product in Boolean algebra means:

1. The AND function of several OR functions
2. The OR function of several OR functions
3. The OR function of several AND functions
4. The AND function of several AND functions

Correct Option **- 3**

Que. 168

The units receiving the data item responds with another control signal to acknowledge receipt of the data. This type of agreement between two independent units is known as _____.

1. Multitasking
2. Piggybacking
3. handshaking
4. Strobe control

Correct Option - **3**

Que. 169 When a subroutine is called, the address of the instruction following the CALL instructions stored in /on the _____.

1. Stack
2. Accumulator
3. Stack pointer
4. Program counter

Correct Option - **1**

Que. 170 Which of the following is not a program control instruction?

1. MOV
2. CALL
3. JMP
4. CMP

Correct Option - **1**

Que. 171 If the time quantum size is 2 units of time and there is only one job of 14 time units in a ready queue, the round-robin scheduling algorithm will cause _____context switches.

1. 5
2. 7
3. 6
4. 8

Correct Option - **3**

Que. 172 Which of the following is the default scripting language in Active server Pages (ASP)?

1. PHP
2. VBScript
3. HTML
4. JavaScript

Correct Option - **2**

Que. 173 The memory which does not lose its content on failure of power supply is known as _____ memory.

1. Volatile
2. RAM
3. Non-volatile
4. Main memory

Correct Option - **3**

Que. 174 Which of the following techniques allows execution of programs large than the size of physical memory?

1. DMA
2. Demand paging
3. Buffering
4. Thrashing

Correct Option **- 2**

Que. 175 Which of the following topologies gives highest reliability?

1. Bus topology
2. Ring topology
3. Star topology
4. Mesh topology

Correct Option **- 4**

Que. 176 Which of the following protocol is used for transferring electronic mail message from one machine to another?

1. FTP
2. SNMP
3. SMTP
4. HTTP

Correct Option **- 3**

Que. 177 In C++, which of the following statements correctly returns the memory from the dynamic array pointer pp to the free store?

1. delete pp [ ];
2. delete *pp;
3. delete [ ]pp ;
4. delete pp;

Correct Option **- 3**

Que. 178 In which of the following state, the process is waiting for processor ?

1. New
2. Waiting
3. Ready
4. Running

Correct Option **- 3**

Que. 179 Consider a set of n tasks with known runtimes r1,r2,.....rn to be run on a uniprocessor machine. which of the following processor scheduling algorithms will result in the maximum throughput?

1. Round - robin
2. Shortest job first
3. FCFS
4. Priority scheduling

Correct Option **- 2**

Que. 180 If the period of a signal is 1000 ms, then what is its frequency in kilohertz?

1. 1 kHz
2. 10^{-2} kHz
3. 10^{-3} kHz
4. 10^{-1} kHz

Correct Option **- 3**

Que. 181 Recursive procedures is implemented using:

1. Queue
2. linked List
3. Stack
4. String

Correct Option **- 3**

Que. 182 What do data warehouses support?

1. OLAP
2. OLAP AND OLTP
3. OLTP
4. Operational database

Correct Option **- 1**

Que. 183 How many bits are used in the exponent part of IEEE single precision format for the representation of floating - point numbers ?

1. 8 bits
2. 24 bits
3. 16 bits
4. 32 bits

Correct Option **- 1**

Que. 184 The comment in XML document is given by :

1. <?---->
2. <!----!>
3. <!---->
4. </---->

Correct Option **- 3**

Que. 185 What is 'EOQ' in Inventory control ?

1. Economic Occurring Quantity
2. Economic Order Quantity
3. Economic Over Quantity
4. Economic Of Quantity

Correct Option **- 2**

Que. 186 A thread is also called:

1. A virtual process
2. A lightweight process
3. A heavyweight process
4. A scheduler`

Correct Option **- 2**

Que. 187 Which of the following Visual Basic statements will assign the value "QUICK" from the variable y to the string variable x ?

y = "THE QUICK RED FOX JUMPED OVER THE DOG"

1. x = left (y,5)
2. x = Instr (5,y "QUICK")
3. x = mid (y,5,5)
4. x = middle (y,5,5)

Correct Option **- 3**

Que. 188 The major goal of object - oriented programming is

1. Speed
2. Reuse
3. User - interface
4. Top - down program development

Correct Option **- 2**

Que. 189 Based on the current technology, _____ is the fastest logic family.

1. TTL
2. ECL
3. MOS
4. CMOS

Correct Option **- 2**

Que. 190 Concurrency control in RDBMS is important for which of the following reasons ?

1. To ensure data integrity when updates occur to the database in a single -user environment.
2. To ensure data integrity when reads occur to the database in a single-user environment.
3. To ensure data integrity when updates occur to the database in a multi-user environment.
4. To ensure data integrity when reads occur to the database in a multi-user environment.

Correct Option **- 3**

Que. 191 The mechanism that brings a page into memory only when it is needed is called _____.

1. segmentation
2. Demand paging
3. Fragmentation
4. Page replacement

Correct Option **- 2**

Que. 192   In a positive edge triggered JK flip-flop, a low J and a low K produces :

1.   Low state
2.   Toggle state
3.   high state
4.   No change

Correct Option **- 4**

Que. 193   For a tree with just one node, the root node, the height of a binary tree is defined to be zero; if there are 2 levels of nodes, the height is 1 and so on. Binary search tree is built according to the usual rules with the following six keys, inserted one at a time given:

B, I, N, A, R, Y. what is the height of the tree?

1.   2
2.   4
3.   3
4.   5

Correct Option **- 2**

Que. 194   Which of the following statements is false with respect to relational DBMSrelational DBMS ?

1.   Foreign key constraints are referential integrity constraints.
2.   Nulls reduce space requirements in tables.
3.   A primary key uniquely identifies a row in a table.
4.   A disadvantage of highly normalized tables is that queries may require too many time consuming joins.

Correct Option **- 2**

Que. 195   Assume the C++ definition : class circle : public point Which of the following is false.?

1.   The colon (:) in the header of class definition indicates inheritance.
2.   All the public and protected members of class 'circle' are inherited as public and protected members , respectively, into class 'point'.
3.   the keyword 'public' indicates type of inheritance.
4.   'Point' is the base class and 'circle' is the derived class.

Correct Option **- 2**

Que. 196   Which of the following sorting algorithms users recursion ?

1.   Heap sort
2.   Bubble sort
3.   Merge sort
4.   Insertion sort

Correct Option **- 3**

Que. 197   _____ is a special effect in motion pictures and animations that changes one image or shape in to another through a seamless transition.

1.   inverse kinematics
2.   tweaking
3.   Morphing

4.   Tweening

Correct Option **- 3**

Que. 198 | Which of the following is not a transaction management SQL command ?

1.   Commit
2.   Savepoint
3.   SELECT
4.   Rollback

Correct Option **- 3**

Que. 199 | In structured programming, a program is decomposed into modules. Coupling and cohesion describe the decomposition should attempt to :

1.   Maximize coupling and minimize cohesion.
2.   Maximize coupling and maximize cohesion.
3.   Minimize coupling and maximize cohesion.
4.   Minimize coupling and minimize cohesion.

Correct Option **- 3**

Que. 200 | OLE, a Microsoft's component document technology, means

1.   Online Linking and Embedding
2.   Object Linking and Embedding
3.   Open learning Exchange
4.   Overly linking and Exchange

Correct Option **- 2**