Smart, Structured & Syllabus-Aligned Content

RICE EDUCATION



SSC EXAMS

PYQs

SSC EXAMS

SSC MTS 2023

PREVIOUS YEAR QUESTIONS

Q.1 Tea leaves worth ₹108 per kg and ₹120 per kg are mixed with a third variety in the ratio 2 : 3 : 5. If the mixture is worth ₹125 per kg, the price (in ₹, rounded off to the nearest integer) of the third variety of tea leaves per kg will be:

A. 130
B. 128
C. 135
D. 133

Answer : C. 135

Q.2 Rima covers a certain distance by car driving at a speed of 59 km/h and she returns to the starting point riding on a bike with a speed of 43 km/h. Find the average speed (in km/h) for the whole journey. (Rounded off to 2 decimal places)

A. 52.25
B. 49.75
C. 42.00
D. 45.37

Answer : B. 49.75

Q.3 If 7 men working 8 hours a day for 5 days can complete a work, then how many men are required to complete the same work if they work 10 hours a day for 7 days?

A. 6
B. 4
C. 3
D. 5

Answer : B. 4

Q.4 The LCM of 1/6, 5/27, 4/15, and 8/3 is:

A. 40/3
B. 3/28
C. 5/28
D. 40/5

Answer : A. 40/3

Q.5 The mean proportional between 0.8 and 7.2 is:

A. 2.4
B. 3.4
C. 4.2
D. 1.2

Answer : A. 2.4

Q.6 The value of (3 ÷ 3 × 2 - 6 ÷ 3 + 7) / (5 ÷ 5 × 6 ÷ 6 + 3 + 3) is equal to:

A. 1
B. 3/2
C. 1(3/2)
D. 2

Answer : A. 1

Q.7 The bar diagram represents the number of E-Cycles parking at a metro station from 12:00 P.M. to 6:00 P.M.

How many times the number of E-Cycles parked is more than average?

A. 4
B. 5
C. 2

D. 3

Answer : C. 2

Q.8 A can do a piece of work in 10 days and B can do it in 15 days. They work together for 2 days and then A leaves. How long will B take to finish the remaining work?

A. 10 days
B. 22 days
C. 12 days
D. 5 days

Answer : A. 10 days

Q.9 A cylinder has a total surface area of 64π square units, where the height of the cylinder is equal to its radius. If the height is doubled and the radius is halved, then the total surface area of the new cylinder is:

A. 54π square units
B. 40π square units
C. 64π square units
D. 48π square units

Answer : B. 40π square units

Q.10 A boy covers a certain distance between his house and school on a cycle. Having an average speed of 10 km/h, he is late by 10 min. However, with an average speed of 15 km/h, he reaches the school 5 min earlier. Find the distance (in km) between his house and school.

A. 8.5
B. 8
C. 7
D. 7.5

Answer : D. 7.5

Q.11 A motorboat can row 12 km/h in still water. If the speed of the current is 2 km/h, it takes 1.5 hours more in covering some distance upstream than it does downstream for covering the same distance. The one-side distance is:

A. 52.5 km
B. 50 km
C. 51.5 km
D. 53 km

Answer : A. 52.5 km

Q.12 A and B entered a partnership for 5 years. At the start of the business, they invested ₹36,000 and ₹58,000, respectively. At the end of 5 years, their total profit was ₹94,000. What will be the share of B (in ₹) out of this profit?

A. 52,000
B. 46,000
C. 58,000
D. 60,000

Answer : C. 58,000

Q.13 If the ratio of the principal and the simple interest for 5 years is 10 : 7, then the rate of interest per annum is:

A. 18%
B. 16%
C. 12%
D. 14%

Answer : D. 14%

Q.14 Study the table showing earnings of schools (in crores) across years:
Find the ratio between the total earnings of schools P and R taken together in year 2020 to the total earnings of schools Q, S and T taken together in year 2022.

A. 17 : 31

B. 27 : 19
C. 12 : 7
D. 12 : 13
Answer : A. 17 : 31

Q.15 A student's marks were incorrectly entered as 44 instead of 86. Due to this, the average of the class got decreased by 1.5. What is the number of students in the class?
A. 24
B. 28
C. 36
D. 30
Answer : B. 28

Q.16 The percentage profit earned by selling an article for ₹955 is equal to the percentage loss incurred by selling the same article for ₹845. At what price should the article be sold to make a 6% profit?
A. ₹955
B. ₹954
C. ₹925
D. ₹1,014
Answer : B. ₹954

Q.17 Find the area of a triangle whose base is 7 cm and corresponding height is 82 cm.
A. 191 cm^2
B. 574 cm^2
C. 143 cm^2
D. 287 cm^2
Answer : D. 287 cm^2

Q.18 The price of a commodity increased from ₹200 to ₹250. What is the percentage increase in price?
A. 27%
B. 20%
C. 25%
D. 22%
Answer : C. 25%

Q.19 What will be the compound interest on ₹30,000 at 10% per annum for 1(1/2) years, when interest is compounded half-yearly?
A. ₹4,728.75
B. ₹4,800.75
C. ₹5,728.75
D. ₹4,928.75
Answer : A. ₹4,728.75

Q.20 Ravi sells a laptop bag to Reeta for ₹1,920 and he sells another similar laptop bag to Vinay for ₹1,280. The percentage profit earned in selling the laptop bag to Reeta is equal to the percentage loss in selling the laptop bag to Vinay. At what price (in ₹) should Ravi sell the laptop bag to make a profit of 25%?
A. 1,650
B. 1,600
C. 1,800
D. 2,000
Answer : D. 2,000

Section: Reasoning Ability and Problem Solving

Q.1

A. Option 1
B. Option 2

C. Option 3
D. Option 4
Answer : B. Option 2

Q.2 What should come in place of ? in the given series based on the English alphabetical order?
HPS, JRU, LTW, NVY, ?
A. PXA
B. MXB
C. NYB
D. NZA
Answer : A. PXA

Q.3 What will come in place of ? in the following equation, if '-' and '+' are interchanged and '÷' and '×' are interchanged?
16 - 4 ÷ 13 × 5 + 2 = ?
A. 36
B. 24
C. 48
D. 55
Answer : D. 55

Q.4 In a certain code language, 'PORTAL' is coded as 'RQIVCN' and 'QUIET' is coded as 'SWKGV'. What is the code for 'SIMPLE' in the given code language?
A. VKNRMJ
B. UKORNG
C. TJNSMH
D. TNOSMI
Answer : B. UKORNG

Q.5 17 is related to 52 following a certain logic. Following the same logic, 42 is related to 127. To which of the following is 29 related to?
A. 84
B. 88
C. 86
D. 82
Answer : B. 88

Q.6 What should come in place of '?' in the given series?
9, 26, 77, 230, 689, ?
A. 2035
B. 2112
C. 2094
D. 2066
Answer : D. 2066

Q.7 Which figure should replace the question mark (?) if the series were to be continued?

A. Option 1
B. Option 2
C. Option 3
D. Option 4
Answer : B. Option 2

Q.8 Statements: All stamps are keys. All keys are black. All black are grey.
Conclusions:
I. All keys are stamps.
II. Some keys are black.
A. Both conclusions (I) and (II) follow.
B. Only conclusion (II) follows.
C. Only conclusion (I) follows.

D. Neither conclusion (I) nor (II) follows.

Answer : B. Only conclusion (II) follows.

Q.9 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '÷' and '×' are interchanged?

17 - 9 + 39 ÷ 225 × 15 = ?

A. 167
B. 177
C. 157
D. 187

Answer : B. 177

Q.10 What should come in place of '?' in the given series?

1, 14, 79, 404, 2029, ?

A. 10154
B. 9848
C. 9812
D. 10132

Answer : A. 10154

Q.11 In a certain code language, 'do it now' is coded as 'gh to ce' and 'now or never' is coded as 'lx uk tr'. How is 'now' coded in the given language?

A. ce
B. gh
C. tr
D. lx

Answer : C. tr

Q.12 The position of how many letters will remain unchanged if each of the letters in the word 'ABSOLUTE' is arranged in alphabetical order?

A. Five
B. Two
C. Three
D. Four

Answer : C. Three

Q.13 Seven people, B, N, M, O, P, Y and S are sitting in a straight line, facing south. Only two people sit between P and S. N is the immediate neighbour of S and M. Only one person sits to the right of P. N sits second to the left of O. Y is an immediate neighbour of P. Total how many people sit between P and M?

A. Two
B. Four
C. Three
D. One

Answer : B. Four

Q.14 Statements: All threads are soft. Some soft are fruit. All fruit is yellow.

Conclusions:

I. Some thread is fruit.

II. Some fruit is yellow.

A. Neither conclusion (I) nor (II) follows.
B. Both conclusions (I) and (II) follow.
C. Only conclusion (II) follows.
D. Only conclusion (I) follows.

Answer : C. Only conclusion (II) follows.

Q.15 What should come in place of ? in the given series?

21, 24, 29, 36, 47, ?

A. 64
B. 60

C. 56
D. 66
Answer : B. 60

Q.16 Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.
WA_XV_FX_EFXTGF_SI_X
A. MNVKD
B. FCUXF
C. FVYNS
D. HKVHU
Answer : B. FCUXF

Q.17

A. Option 1
B. Option 2
C. Option 3
D. Option 4
Answer : B. Option 2

Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(5, 11, 80)
(6, 12, 90)
A. 4, 19, 148
B. 9, 11, 67
C. 7, 17, 120
D. 2, 16, 123
Answer : C. 7, 17, 120

Q.19 Scissors : Cloth :: ?
A. Pen : Ink
B. Razor : Beard
C. Nail : Hammer
D. Furnace : Smoke
Answer : B. Razor : Beard

Q.20 Select the combination of letters that when sequentially placed in the blanks of the given series will make it logically complete.
HLO_JOC_LI_E_LOG_P_OI
A. AONEL
B. ALONL
C. BGHPN
D. BLOEN
Answer : B. ALONL

Section: General Awareness

Q.1 What is the maximum time gap between two sessions of the State Legislature?
A. Three months
B. Two months
C. Six months
D. One year
Answer : C. Six months

Q.2 In 1951, the first Asian Games was held in which city?
A. Jaipur
B. Pune
C. Mumbai
D. New Delhi

Answer : D. New Delhi

Q.3 What is a government budget?

A. A report on economic growth
B. A plan for managing personal finances
C. A financial statement of expected revenue and expenditure
D. A document outlining foreign policy

Answer : C. A financial statement of expected revenue and expenditure

Q.4 Who is the author of the novel 'A Suitable Boy'?

A. Kiran Desai
B. Vikram Seth
C. Chetan Bhagat
D. Anita Desai

Answer : B. Vikram Seth

Q.5 Which of the following oceans extends into the Mediterranean Sea?

A. Indian Ocean
B. Pacific Ocean
C. Atlantic Ocean
D. Arctic Ocean

Answer : C. Atlantic Ocean

Q.6 What is the meaning of the term 'Collateral' in banking?

A. An investment portfolio
B. A type of credit card
C. A form of digital payment
D. An asset pledged as security for a loan

Answer : D. An asset pledged as security for a loan

Q.7 The word 'kathak' is derived from which of the following words?

A. Story
B. Narrator
C. Dance steps
D. Bells

Answer : A. Story

Q.8 Which of the following autobiographies was written by Dr. APJ Abdul Kalam, the former president of India?

A. One Life is Not Enough
B. Waiting for a Visa
C. Atmakatha
D. Wings of Fire

Answer : D. Wings of Fire

Q.9 Which Indian musician got the prestigious Academy Award?

A. AR Rahman
B. Anu Malik
C. Naushad
D. Bappi Lahiri

Answer : A. AR Rahman

Q.10 In relation to the state of Tamil Nadu, the Constitution (Scheduled Tribes) Order (Second Amendment) Act, 2022 included which community along with Kurivikkaran in the ST list?

A. Narikoravan
B. Irular
C. Kadar
D. Kammara

Answer : A. Narikoravan

Q.11 Which antibiotic is considered the first miracle drug, used to treat throat infections, meningitis, syphilis and other bacterial infections?

A. Aciclovir
B. Nifuratel
C. Penicillin
D. Metronidazole
Answer : C. Penicillin

Q.12 Which of the following is the Fundamental Law of any country which sets out the framework and the principal functions of various organs of the government?
A. Customs
B. International Law
C. Constitution
D. Ordinance
Answer : C. Constitution

Q.13 Who was the singer of the famous song 'Mere Desh Ki Dharti Sona Ugle' from the film 'Upkar' (1967)?
A. KJ Yesudas
B. Suresh Wadkar
C. Manna Dey
D. Mahendra Kapoor
Answer : D. Mahendra Kapoor

Q.14 Rani Machaiah was awarded with 'Padma Shri' in which year for her contribution to folk dance?
A. 2015
B. 2018
C. 2012
D. 2023
Answer : D. 2023

Q.15 Jyothi Yarraji created a new national record in 2023 in which of the following sports?
A. Indoor hurdling
B. High jump
C. Shot put
D. Long jump
Answer : A. Indoor hurdling

Q.16 Which physicist's experiment during a lecture in 1820 showed the connection between electricity and magnetism?
A. John Cockcroft
B. William Gilbert
C. Heinrich Hertz
D. Hans Christian Oersted
Answer : D. Hans Christian Oersted

Q.17 In the performance of which dance do women perform Raasa dances on one side while instrumentalists play Pung Choloms and Karataala on the other side?
A. Kathakali
B. Yakshagana
C. Odissi
D. Manipuri
Answer : D. Manipuri

Q.18 Who among the following was the founder of the Khudai Khidmatgars, a powerful non-violent movement among the Pathans of North-West Frontier Province?
A. Khan Abdul Ghaffar Khan
B. Abdul Qayyum Khan Kashmiri
C. Mohammad Ali Jinnah
D. Khan Abdul Jabbar Khan
Answer : A. Khan Abdul Ghaffar Khan

Q.19 In which year was the Vernacular Press Act passed?

A. 1757 CE
B. 1878 CE
C. 1888 CE
D. 1600 CE
Answer : B. 1878 CE

Q.20 Which state of India is associated with the famous thunderstorms 'Kaal Baisakhi'?
A. West Bengal
B. Karnataka
C. Gujarat
D. Haryana
Answer : A. West Bengal

Q.21 According to Ministry of Commerce and Industry (2018-19), which state of India is the largest producer of Rubber?
A. Maharashtra
B. Gujarat
C. Kerala
D. Uttar Pradesh
Answer : C. Kerala

Q.22 In which year was the first Khelo India Winter Games held?
A. 2022
B. 2019
C. 2021
D. 2020
Answer : D. 2020

Q.23 'Losoong' festival, celebrated by the tribal community, is usually the time when farmers rejoice and celebrate harvest in which state?
A. Sikkim
B. Jharkhand
C. Odisha
D. West Bengal
Answer : A. Sikkim

Q.24 According to the Human Development Index 2021, which group of neighbouring countries ranked behind India?
A. Maldives and Bhutan
B. Pakistan and Afghanistan
C. Bangladesh and China
D. Sri Lanka and Bhutan
Answer : B. Pakistan and Afghanistan

Q.25 Which of the following statements is true about the Great Bath of the Indus Valley Civilisation?
A. It was used for grain storage.
B. It was used for farming.
C. It was used as the water tank of the city.
D. It was probably used for religious purposes.
Answer : D. It was probably used for religious purposes.

Section: English Language and Comprehension

Q.1 Select the most appropriate option that can substitute the underlined segment in: 'France is a largest country.'
A. smaller
B. larger
C. smallest
D. large
Answer : D. large

Q.2 Identify the segment that contains an error in: 'Mr Sharma would have left / the station / by this time / tomorrow.'

A. tomorrow
B. by this time
C. the station
D. Mr Sharma would have left

Answer : D. Mr Sharma would have left

Q.3 Select the meaning of the underlined idiom: 'Do not turn a blind eye to all the mischief your child is up to'

A. Close the door
B. Take pride in
C. Give rewards
D. Pretend not to notice

Answer : D. Pretend not to notice

Q.4 Select the most appropriate option to fill in the blank: 'The mother ____ the chips because they were soggy.'

A. saved
B. wasted
C. discarded
D. recovered

Answer : C. discarded

Q.5 Identify the most appropriate meaning of the given word: Hope

A. Caution
B. Realism
C. Cynicism
D. Wish

Answer : D. Wish

Q.6 Select the meaning of the idiom: 'Have egg on your face'

A. Defeat someone thoroughly
B. To be made to look foolish or embarrassed
C. Making a choice between two unpleasant choices
D. Reveal a secret

Answer : B. To be made to look foolish or embarrassed

Q.7 Select the option that correctly rectifies the error in: 'The tiger was tranquillized in the morning and keept in a cage to avoid disturbannces by human beings.'

A. ...avoid disturbaences...
B. The tiger was tranquilized in the morning and kept in a cage to avoid disturbances by human beings.
C. ...traanquilized... dissturbances...
D. ...tranquiliized... keept...

Answer : B. The tiger was tranquilized in the morning and kept in a cage to avoid disturbances by human beings.

Q.8 Select the synonym of (secrecy) to fill in the blank: 'She's reading a ____ novel and can't wait to find out who the killer is.'

A. crisis
B. complication
C. difficulty
D. mystery

Answer : D. mystery

Q.9 Select the part that contains an error: 'The viable of life / depends on a pair / of conflicting realities.'

A. depends on a pair
B. No error

C. The viable of life
D. of conflicting realities
Answer : C. The viable of life

Q.10 Select the segment that contains an error: 'I shall be playing for four hours.'
A. four hours
B. I
C. shall be playing
D. for
Answer : C. shall be playing

Q.11 Select the meaning of the underlined segment: 'Our team is all on the same page when it comes to our goals for the upcoming project.'
A. Be confused
B. Be in agreement
C. Be unsure
D. Be in conflict
Answer : B. Be in agreement

Q.12 Select the meaning of the idiom: 'Bite the dust'
A. To suffer a defeat
B. To fall from a height
C. To remain calm
D. To fall asleep
Answer : A. To suffer a defeat

Q.13 One-word substitute for: 'A person who avoids sensory pleasures and physical comforts'
A. Frugal
B. Epicurean
C. Bohemian
D. Ascetic
Answer : D. Ascetic

Q.14 Select the INCORRECTLY spelt word.
A. Chivalrous
B. Expose
C. Conffess
D. Convict
Answer : C. Conffess

Q.15 One-word substitute for: 'A person living in solitude like a saint for religious practices.'
A. Hermit
B. Cretin
C. Heir
D. Heretic
Answer : A. Hermit

Q.16 Select the ANTONYM of: Clumsy
A. Jealous
B. Fierce
C. Graceful
D. Nervous
Answer : C. Graceful

Q.17 Substitute the underlined segment: 'No sooner had the sun risen over the horizon when the birds began to chirp...'
A. when the birds begin
B. than birds begin
C. when birds began
D. than the birds began
Answer : D. than the birds began

Q.18 Fill in the blank: 'During the meeting, he went on a long and angry ____ about how the project was being mismanaged.'

A. shout
B. whisper
C. rant
D. mutter

Answer : C. rant

Q.19 Identify grammatical error in: 'I had / a bad habit of / waking up / lately.'

A. lately
B. waking up
C. a bad habit of
D. I had

Answer : A. lately

Q.20 Select correct spelling to fill in the blank: 'Chaitnya was ____ from the school due to his misappropriate behaviour.'

A. expelled
B. xpelled
C. expeled
D. xpeled

Answer : A. expelled

Q.21 Comprehension Blank 1: 'Once there was a king named Midas who was granted a (1) ____ by Dionysus...'

A. slavery
B. wish
C. employment
D. job

Answer : B. wish

Q.22 Comprehension Blank 2: '...Midas asked that whatever he (2) ____ would turn to gold.'

A. next felt
B. touched
C. kept
D. left

Answer : B. touched

Q.23 Comprehension Blank 3: 'Excited about his newly-earned (3) ____, Midas started touching all kinds of things...'

A. legacies
B. powers
C. awards
D. visuals

Answer : B. powers

Q.24 Comprehension Blank 4: '...turning each item into pure gold. But soon, Midas became (4) ____.'

A. mad
B. hungry
C. tired
D. angry

Answer : B. hungry

Q.25 Comprehension Blank 5: 'Seeing his dismay, Midas' (5) ____ daughter threw her arms around him to comfort him...'

A. estranged
B. guarded
C. beloved
D. hated

Answer : C. beloved

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