Section 1 - Section 1

Question No.1
4.00

Bookmark ☐

Choose the best synonym of the italicized word.
Dr. Elango is in the habit of using *obsolete* words.

- ○ wrong
- ○ outdated
- ○ difficult
- ○ simple

Question No.2
4.00

Bookmark ☐

- ○ 2
- ○ 1
- ○ 4
- ○ 3

Question No.3
4.00

Bookmark ☐

Which type of cost is a vital part of decision making but omitted from conventional accounting records?

- ○ Out of Pocket cost
- ○ Opportunity Cost
- ○ Sunk Costs
- ○ Direct cost

Question No.4
4.00

Bookmark ☐

Which of the following is a responsibility of Reserve Bank of India?

- ○ Determining tax rates
- ○ Making and implementing fiscal policy
- ○ Controlling inflation
- ○ Bank financial management

Question No.5
4.00

Bookmark ☐

Which of the following banks is not under PCA?

- ○ Central Bank of India
- ○ IDBI Bank
- ○ State Bank of India
- ○ Indian Overseas Bank

Question No.6   4.00

Bookmark ☐

A profitability index (PI) of 0.92 for a project means that _____

○ The project returns Rs.92 in present value for Rs. 100 invested (cost)

○ The project's NPV is greater than zero

○ The project's costs (cash outlay) are (is) less than the present value of the project's benefits

○ project's NPV is greater than 1

Question No.7   4.00

Bookmark ☐

A cost that cannot be changed by any decision made now or in the future is:

○ Indirect cost

○ Opportunity cost

○ Uncontrollable cost

○ Sunk cost

Question No.8   4.00

Bookmark ☐

Who among the following is the authority for appointing directors of public sector banks?

○ Bank Board Bureau

○ Banking Board of Directors

○ Reserve Bank of India

○ Ministry of Corporate Affairs

Question No.9   4.00

Bookmark ☐

Which is not true about off-shore banking units?

○ They are exempted from CRR and SLR requirements

○ These are overseas banks

○ Their operations cover only non-residents

○ These offer better forex rates

Question No.10   4.00

Bookmark ☐

Which of the following sectors is the most sensitive to business cycles?

○ Consumer Food

○ Pharmaceuticals

○ Textile

○ Capital Goods

Question No.11   4.00

Bookmark ☐

She studies very hard for the exams, _____?

○ doesn't she?

○ isn't it?

○ does she?

○ is it?

Question No.12   4.00

Bookmark ☐

Which of the following is not a financial instrument?
- ○ Commercial Deposits
- ○ Foreign Currency Convertible Bonds
- ○ Commercial Paper
- ○ Certificate of Deposits

Question No.13   4.00

Bookmark ☐

Statement: Apart from it's entertainment value of Television, it's educational value cannot be ignored
Assumptions:
I. People take Television to be the means of entertainment only.
II. The educational value of Television is not realized properly
- ○ If neither I nor II is implicit
- ○ If only assumption I is implicit

- ○ If only assumption II is implicit
- ○ If both I and II are implicit

Question No.14   4.00

Bookmark ☐

The demand curve for a good is derived from the:
- ○ Marginal benefits of the good minus marginal costs of the good
- ○ Marginal benefit of the good.
- ○ Marginal cost of the good.
- ○ Production Possibilities Frontier

Question No.15   4.00

Bookmark ☐

Which of the following is not a retail loan product?
- ○ Vehicle loan
- ○ Overdraft
- ○ Credit card
- ○ Housing loan

Question No.16   4.00

Bookmark ☐

If we have very large sample size, we can afford to discard which of the following assumptions of ANOVA?
- ○ The samples are drawn from normally distributed populations
- ○ Each population has the same variance
- ○ Samples are independent
- ○ None of these

Question No.17   4.00

Bookmark ☐

Short-term cash flow improvement may not be achieved by
- ○ Reducing inventories
- ○ Reducing trade receivables
- ○ Reducing trade payables
- ○ Increasing trade payables

Question No.18   4.00

Out of a batch of 15 bulbs, 4 are defective. Bulbs are drawn one by one and not replaced. The probability that the ninth bulb drawn is the last remaining defective is:

○ 28/195

○ 8/195

○ 32/195

○ 13/195

Question No.19   4.00

Based on the information given answer the following question.
1. In a family of six persons, there are people from three generations. Each has separate professions and they like different colours. There are two couples.
2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.
3. Chartered Accountant likes green colour and his wife is a teacher.
4. Manisha is the mother-in-law of Sunita and she likes orange colour.
5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes white colour.

What is the profession of Sunita?

○ Teacher

○ Principal

○ Chartered Accountant

○ Cannot be determined

Question No.20   4.00

The Indianised version of International Financial Reporting standards (IFRS) (IND AS) have been made applicable to which of the following companies w.e.f 1st April, 2016 :

○   All listed & unlisted companies having net worth of Rs.500 cr and more.

○ All listed companies having net worth of less than Rs. 250cr.

○   All listed companies having net worth of more than Rs. 250 cr but less than Rs. 500 cr

○ All Indian companies irrespective of listing status and/or net worth

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Question No.21   4.00

According to CAPM, the measure of risk is

○ Standard deviation of stock prices

○ Standard deviation of returns

○ Beta

○ Unsystematic risk

Question No.22   4.00

If A+B means A is daughter of B,
A-B means A is husband of B
A × B means A is brother of B

From the statement A × B × C × D, which of the following statement is not necessarily true?

○ C is the brother of A

○ B is the brother of A

○ A, B, C are male

○ D is brother of C

Question No.23

4.00

Bookmark ☐

Which of the following is not an alternative delivery channel for banks?

○ ATMs

○ Branch banking

○ Business Correspondents

○ Internet Banking

Question No.24

4.00

Bookmark ☐

With a lower significance level (a), the probability not rejecting a false null hypothesis :

○ Decreases

○ Increases

○ Remains unaffected

○ None of these

Question No.25

4.00

Bookmark ☐

Among the following statements about the World Bank which one is correct?

○ Regulator of global inflation

○ Regulator of the global financial system

○ Multilateral Financial Institution

○ Commercial Bank

Question No.26

4.00

Bookmark ☐

This is the school where I studied till class 5.
The underlined word is a

○ adjective

○ adverb

○ pronoun

○ preposition

Question No.27

4.00

Bookmark ☐

Which of the following is the cheapest source of funds for banks?

○ Savings account deposit

○ Fixed deposits

○ Current account deposits

○ Term deposits

Question No.28

4.00

Bookmark ☐

If a study is "reliable", this means that:

○ a. The measures devised for concepts are stable and provide more or less same data/results on different occasions

○ The methods are stated clearly enough for the research to be replicated

○ The findings can be generalized to other social settings

○ It was conducted by a reputable researcher who can be trusted

Question No.29   4.00

The two-factor theory of motivation (Motivation-Hygiene Theory) was proposed by whom?

- ○ Abraham Maslow
- ○ Frederick Herzberg
- ○ Henry Herzberg
- ○ Bernard Weiner

Question No.30   4.00

Which of the following type of institutions are not existing in India?

- ○ Small Finance Banks
- ○ Development Banks
- ○ Payment Banks
- ○ Differentiated Banks

Question No.31   4.00

Which of the following statements about 'Options' is true?

- ○ Options can be used for hedging risk
- ○ Options can be used for measuring market risk
- ○ Put options will help minimise market risk
- ○ All of these

Question No.32   4.00

Which of the following statements is true?

- ○ Segmentation - divide the total market into smaller segments
- ○ Targeting - select the segment or segments to enter
- ○ Positioning - position the market offering in the minds of target customers
- ○ All of these

Question No.33   4.00

Arbitrage Pricing Theory is a

- ○ Single factor model
- ○ Two factor model
- ○ Market factor model
- ○ Multifactor model

Question No.34   4.00

Liquidity is very important for banks mainly because of the fact that banks use

- ○ Demand deposits
- ○ Time deposits
- ○ Public properties
- ○ Capital provided by the government

Question No.35   4.00

Bookmark ☐

Which of the following organisations is setting the standards for risk management in banks?

○ IMF

○ The World Bank

○ BIS

○ Basel

Question No.36   4.00

Bookmark ☐

Rating of borrowers is done as a part of which of the following?

○ Credit Risk Management

○ Country Risk Management

○ Operational Risk Management

○ Market Risk Management

Question No.37   4.00

Bookmark ☐

In context of Human Resource Management, the term 'procurement' stands for

○ Health and safety

○ Recruitment and selection

○ Pay and benefits

○ Training and development

Question No.38   4.00

Bookmark ☐

Current assets of a company include inventory Rs 140 crore, Sundry Debtors Rs. 100 crore, Cash and bank balance Rs. 35 crore, other current assets Rs. 75 crore, sundry creditors Rs. 70 crore, short term borrowings Rs. 120 crore and other current liabilities Rs. 50 crore. Quick Ratio of the company is

○ 1.33

○ 1.46

○ 1.14

○ 0.88

Question No.39   4.00

Bookmark ☐

SEBI restricts mutual fund investments in companies forming part of the same group as the AMC (Assets Management Company). This is:

○ Applied only to some mutual funds, not all

○ Not true

○ In the interest of investor protection

○ Not favourable to investors at all

Question No.40   4.00

Bookmark ☐

Choose the best synonym of the italicized word.
Children of excessively indulgent parents often become very *recalcitrant.*

○ insolent

○ indolent

○ disobedient

○ dependent

Question No.41
4.00

Bookmark ☐

What is not true about mutual funds?

- ○ collective investment vehicle
- ○ A fund that manages investment portfolio for Investors
- ○ A pool of funds used to purchase securities on behalf of investors
- ○ Owned jointly by all investors

Question No.42
4.00

Bookmark ☐

The amount required to buy 100 units of a mutual fund scheme having an entry load of 1.5% and NAV(Net Assets Value) of Rs. 20 is:

- ○ Rs. 2015
- ○ Rs. 2,030
- ○ Rs. 1985
- ○ Rs. 2,000

Question No.43
4.00

Bookmark ☐

Among the various functions of management which one is the first?

- ○ Leading
- ○ Planning
- ○ Organising
- ○ Control

Question No.44
4.00

Bookmark ☐

The term 'R Square' is referred to as what?

- ○ Area of circles
- ○ Coefficient of correlation
- ○ Significance of sample statistics
- ○ Coefficient of determination

Question No.45
4.00

Bookmark ☐

Which of the following does NOT affect the trend path of inflation over time?

- ○ Increasing money supply
- ○ Increase in Government spending
- ○ An increase in population growth
- ○ Fluctuations in the unemployment rate

Question No.46
4.00

Bookmark ☐

Random sampling is helpful as it is _____.

- ○ A well-defined method of data collection
- ○ Free from personal biases
- ○ Reasonably accurate and reasonably representative of the population
- ○ All of these

Question No.47 4.00

Statement: Ten Candidates, who were on the waiting list could finally be admitted to the course.
Assumptions:
I. A large of number of candidates were on the waiting list.
II. Wait listed candidates do not ordinarily get admission.

- ○ If neither I nor II is implicit
- ○ If only assumption II is implicit
- ○ If only assumption I is implicit
- ○ If both I and II are implicit

Question No.48 4.00

Correct the error in the italicized part of the sentence by choosing the most appropriate options
Job was a tiny man, barely five feet tall, with *a spright walk*

- ○ a sprightly walk
- ○ spright walkingly
- ○ spright walk
- ○ a sprightly walking

Question No.49 4.00

The target population for a research has clearly distinguishable subpopulations. The ideal method of sampling for such a population is

- ○ Simple random sampling
- ○ Convenience sampling
- ○ Judgment sampling
- ○ Stratified random sampling

Question No.50 4.00

Regulatory guidelines regarding Corporate Governance are issued by whom?

- ○ IBBI
- ○ RBI
- ○ SEBI
- ○ IRDA

Question No.51 4.00

Which of the following is a non-fund based credit facilities?

- ○ Letter of credit
- ○ Working capital loan
- ○ Cash Credit
- ○ None of these

Question No.52 4.00

Lower financial leverage is related to the use of additional _____.

- ○ Fixed costs
- ○ Common equity financing
- ○ Debt financing
- ○ Variable costs

Question No.53   4.00
Bookmark ☐

If the population proportion is unknown, the standard error of proportion is estimated by the formula where n is sample size, p is the probability of success and q is the probability of failure:

○ $\sqrt{npq}$

○ $\sqrt{pq}$

○ $\sqrt{np(1-q)}$

○ $\sqrt{pq/n}$

Question No.54   4.00
Bookmark ☐

In India, at present the level of NPA of banks in which of the following portfolios is the highest?

○ Agriculture credit

○ Credit to the Industry

○ Services sector credit

○ Rural Credit

Question No.55   4.00
Bookmark ☐

What is the full form of IBC?

○ Insolvency and Bankruptcy Code

○ Indian Banking Code

○ Insolvency Bankers Code

○ International Banking Codes

Question No.56   4.00
Bookmark ☐

Which of the following is not a derivative instrument?

○ Futures

○ Options

○ American Future

○ American Option

Question No.57   4.00
Bookmark ☐

Which of the following need not be subtracted from Net Worth in order to find out Tangible Net Worth?

○ Capital Work in Progress

○ Miscellaneous expenses not written off

○ Goodwill

○ All of these

Question No.58   4.00
Bookmark ☐

Crumb : Bread ::

○ Water : Bucket

○ Splinter : Wood

○ Flower : Vase

○ Tea : Cup

Question No.59

4.00

Bookmark ☐

Which of the following budgets is also used for estimating working capital requirement?

○ Production Budget

○ Cash Budget

○ Sales Budget

○ Master Budget

Question No.60

4.00

Bookmark ☐

Which of the following is true?

○ The sampling error becomes progressively larger the larger the sample size.

○ The sampling error becomes progressively smaller the larger the sample size.

○ The sampling error is unrelated to sample size.

○ The sampling error becomes progressively larger the smaller the sample size.

Question No.61

4.00

Bookmark ☐

_____ lease is a long-term lease, and at the end of the lease agreement, the lessee normally acquires the ownership of the asset.

○ A financial

○ An operating

○ A net

○ None of these

Question No.62

4.00

Bookmark ☐

In SWOT, Analysing strengths is a part of what?

○ Strength of the industry

○ Internal environment

○ External environment

○ Strength of management

Question No.63

4.00

Bookmark ☐

Which is not true for payment banks?

○ Can distribute third party products

○ Can accept demand deposits

○ Can lend to customers

○ Restriction of maximum balance per individual customer is Rs one lakh

Question No.64

4.00

Bookmark ☐

If level of significance(a = 0.05) for a particular hypothesis test, we are saying that :

○ Five percent is the minimum standard for acceptable probability

○ Five percent is the risk we are taking of rejecting a true null hypothesis

○ Five percent is the risk we are taking of not rejecting a false null hypothesis

○ None of these

Question No.65

4.00

ABC Limited sells its product for Rs. 20 per unit. The variable manufacturing costs and variable selling costs per unit are Rs. 8 and Rs. 4 respectively. Fixed manufacturing costs are Rs. 60,000 and Fixed selling costs are Rs. 20,000. If 2,00,000 units are sold, then the Margin of Safety ratio will be:

- ○ 90%
- ○ 60%
- ○ 95%
- ○ 85%

Question No.66

4.00

Among the following economists who propounded CAPM?

- ○ Henry Markowitz
- ○ Harry Markowitz
- ○ Wilson Sharpe
- ○ William Sharpe

Question No.67

4.00

Study the following information carefully and answer the question below it

Lakshman passes through seven lanes to reach his school. He finds that 'Truth lane' is between his house and 'Lie lane'. The third lane from his school is 'Karma lane'. 'Dharma lane' is immediately before the 'Yog lane'. He passes 'Salvation lane' at the end, 'Lie lane' is between 'Truth lane' and 'Dharma lane', the sixth lane from his house is 'Devotion lane'.

If Lakshman's house, each lane and his school are equidistant and he takes 2 minutes to pass one lane, then how long will he take to reach school from his house?

- ○ 13 minutes
- ○ 16 minutes
- ○ 15 minutes
- ○ 14 minutes

Question No.68

4.00

Prompt Corrective Action for banks is initiated by

- ○ Banks themselves
- ○ Reserve Bank of India
- ○ Government of India
- ○ NCLT

Question No.69

4.00

What is yield curve risk?

- ○ When instruments have different base rate
- ○ Interest sensitivity of non-interest income
- ○ When there are options embedded in assets and liabilities
- ○ Risk due to possible change in shape of yield curve

Question No.70   4.00
Bookmark ☐

What is a research design?
- ○ A way of conducting research that is not grounded in theory
- ○ A framework that outlines the way a researcher is going to collect data at every stage of the research and analysis of data
- ○ The style in which you present your research findings, e.g. a graph
- ○ The choice between using qualitative or quantitative methods

Question No.71   4.00
Bookmark ☐

Organisation establishes relationship between
- ○ People, work and management
- ○ People, work and resources
- ○ Customer, work and management
- ○ Customer, work and resources

Question No.72   4.00
Bookmark ☐

Study the following information carefully and answer the question below it

The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.
(i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.
(ii) Motivation should be organised immediately after Assessment Centre.
(iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion
(iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion

Which of the following information is not required for the above lecture arrangements?
- ○ Only (i)
- ○ Only (ii)
- ○ Only (iii)
- ○ All are required

Question No.73   4.00
Bookmark ☐

When their father died, their elder brother sold the old house and _____ in a small flat in a far-off suburb
- ○ set them up
- ○ put them up
- ○ put them down
- ○ set them down

Question No.74   4.00
Bookmark ☐

In which organisational form are there dual or multiple lines of authority?
- ○ Modular
- ○ Hybrid
- ○ Multidivisional
- ○ Matrix

Question No.75   4.00

Bookmark ☐

Market demand for fertilizer is

○ Direct Demand

○ Autonomous Demand

○ Cyclical Demand

○ Derived Demand

Question No.76   4.00

Bookmark ☐

Nidhi walks 10 metres in front and 10 metres to the right. Then every time turning to her left, she walks 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point?

○ 10 metres

○ 5 metres

○ 15 metres

○ None of the above

Question No.77   4.00

Bookmark ☐

Which of the following statements is not correct?

○ During the last five years, the rate of growth of deposits of banks has shown declining trend.

○ During the last five years, rate of growth of deposits, credit, assets and CRAR has shown an increasing trend in the case of PSBs.

○ During the last five years, the rate of growth of credit, deposits and assets of banking sector has shown declining trend

○ During the last five years, the rate of growth of credit of banking sector has shown declining trend, but the assets growth has been higher than rate of growth of credit.

Question No.78   4.00

Bookmark ☐

Rating models of CRISIL are used for

○ Measuring Credit Risk

○ Measuring Price Risk

○ Measuring Operational Risk

○ Measuring Market Risk

Question No.79   4.00

Bookmark ☐

The statement "the number of subordinates that a manager or supervisor can directly control" is referred to as

○ Span of authority

○ Participatory Management

○ Span of Control

○ Delegation of powers

Question No.80   4.00

Bookmark ☐

The human resource management functions aim at

○ ensuring that the human resources possess adequate capital, tool, equipment and material to perform the job successfully

○ helping the organization deal efficiently and effectively with its employees in different stages of employment

○ improving an organization's creditworthiness among financial institutions

○ None of these

Question No.81 — 4.00

Bookmark ☐

Identify the major actor of industrial relations from the following.

- ○ Employers
- ○ Unions
- ○ Government
- ○ All of these

Question No.82 — 4.00

Bookmark ☐

The sales of S. Ltd. is Rs. 2,45,000 and Variable cost to Sales ratio is 60%. If the fixed cost of the Company is Rs. 50,000, then the profit earned by the Company will be:

- ○ Rs. 24000
- ○ Rs. 48000
- ○ 36000
- ○ Rs. 72000

Question No.83 — 4.00

Bookmark ☐

Which of the following is not a measure of dispersion?

- ○ Mean deviation
- ○ Variance
- ○ Standard deviation
- ○ Mode

Question No.84 — 4.00

Bookmark ☐

Select the Pair that best respresents the relationship that is given in the question:
Explore : Discover

- ○ Think : Relate
- ○ Tree : Wood
- ○ Research : Learn
- ○ Books : Knowledge

Question No.85 — 4.00

Bookmark ☐

Yield offered by which of the following may be considered as the risk-free rate?

- ○ Government securities
- ○ Post office savings schemes
- ○ Fixed deposits of banks
- ○ Interest offered by provident fund

Question No.86 — 4.00

Bookmark ☐

Find the odd one out?

- ○ Deduction
- ○ Deposit
- ○ Debit
- ○ Withdrawal

Question No.87   4.00

Which of the following is not needed for calculating BEP?

- ○ Selling Price
- ○ Variable Cost Per Unit
- ○ Fixed Cost
- ○ Fixed cost per unit

Question No.88   4.00

A statement of the fundamental purpose of an organization is called its:

- ○ Mission statement.
- ○ Objectives
- ○ Policy
- ○ All of the above

Question No.89   4.00

Economies of Scope exist when:

- ○ Doubling factor input doubles output
- ○ Changing the mix of production reduces average cost.
- ○ A fall in wages reduces average cost
- ○ Greater experience in producing the product reduces average cost

Question No.90   4.00

The co-variance between X & Y is 20, Standard Deviation of X is 5 , Standard Deviation of Y = 6. If the number of observations are 10, what is the Karl Pearson's correlation coefficient between X &Y ?

- ○ 0.667
- ○ 6.667
- ○ 66.67
- ○ 0.0667

Question No.91   4.00

Choose the best antonym of the italicized word.
The deliberate *suavity* of Olaf's behavior made the emotions of the audience volatile.

- ○ impetuosity
- ○ stupidity
- ○ pleasantness
- ○ politeness

Question No.92   4.00

If cookies are a normal good and incomes increase, we would expect:

- ○ A decrease in equilibrium price and an increase in equilibrium quantity.
- ○ A decrease in equilibrium price and equilibrium quantity.
- ○ An increase in equilibrium price and a decrease in equilibrium quantity.
- ○ An increase in equilibrium price and equilibrium quantity.

Question No.93 4.00

Bookmark ☐

The terms 'Call' and 'Put' are relevant to which of the following contracts?

- ○ Forward contracts
- ○ Option contracts
- ○ Purchase contracts
- ○ Future contracts

Question No.94 4.00

Bookmark ☐

A can finish a work in 18 days and B can do the same work in half the time taken by A. Then, working together, what part of the same work they can finish in a day?

- ○ 0 1/8
- ○ 0 1/2
- ○ 0 1/6
- ○ 0 1/4

Question No.95 4.00

Bookmark ☐

The bank has total assets of Rs. 80 crore and liabilities of Rs. 70 crore with weighted duration of 2.5 and 1.5 respectively. What will be duration GAP?

- ○ 1.19
- ○ 1.5
- ○ 1.45
- ○ 1

Question No.96 4.00

Bookmark ☐

Being awarded the Best Singer in 2010 marked a _____ in her life.

- ○ sign-post
- ○ milestone
- ○ memorial
- ○ yardstick

Question No.97 4.00

Bookmark ☐

Banks are regulated more stringently because

- ○ Savings of the public are used by the banks
- ○ Confidence of the public in banks needs to be ensured
- ○ Failure of banks will have far reaching repercussions
- ○ All of these

Question No.98 4.00

Bookmark ☐

Managers never own complete responsibility for the all the decisions made by them since they are not the owners of the business is the assumption of -

- ○ Agency theory
- ○ Equity theory
- ○ Expectancy theory
- ○ Contingency theory

Question No.99   4.00

Bookmark ☐

Which of the following assumptions apply to 'kinked-demand' analysis in oligopoly markets?

○ Rivals will tend not to raise prices in response to the firm's higher prices.

○ Rivals' reactions are irrelevant.

○ Rivals will reduce prices in response to the firm's lower prices.

○ Rivals will raise prices in response to the firm's higher prices.

Question No.100   4.00

Bookmark ☐

What is the closest interpretation of a Beta Coefficient of 0.478 in a regression equation from the following?

○ That the regression is not significant

○ This means that for every unit increase in the independent variable, the percent change in the dependent variable would be 0.478%

○ That the relationship between the independent and dependent variables is not linear

○ This means that for every unit increase in the independent variable, the dependent variable increases by 0.478 units