

CMAT MOCK TEST QUESTION

Quantitative Techniques and Data Interpretation

1. A number is of two digits. The position of digits is interchanged and the new number is added to the original number. The resultant number will always be divisible by?

- a) 8
- b) 9
- c) 10
- d) 11

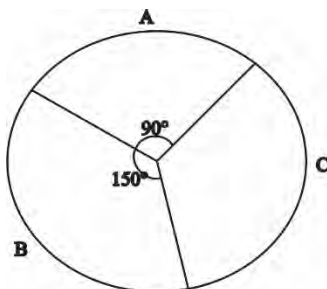
2. For how many integers n , $n/(20 - n)$ is the square of an integer?

- a) 0
- b) 1
- c) 2
- d) 3

3. If the selling price of 32 I-phone is equal to the cost price of 40 I-phone, then the percentage profit is.

- a) 12%
- b) 20%
- c) 40%
- d) 25%

4. The cost of three components A, B and C of a Samsung T.V worth Rs. 7200 in 2022 is given as a pie chart as show below



in the following year, the cost of three components A, B and C increases by 10%, 20% and 10% respectively the cost of the three components A,B and C respectively in 2023 was.

- a) Rs. 5500, Rs 3500, Rs 600
- b) Rs. 5500, Rs 3000, Rs 2400

c) Rs. 1980, Rs. 3600, Rs. 2640

d) Rs. 1800, Rs. 3600, Rs. 2400

5. L.C.M of two numbers is 495 and their H.C.F is 5. If the sum of two number is 100 then their difference is?

a) 10

b) 46

c) 70

d) 90

6. In an examination, a candidate must get 60% marks to pass. If a student who gets 120 marks fails by 60 marks, find the maximum marks?

a) 300

b) 240

c) 330

d) 360

7. In a group of 20 musician and 40 actors, 20% of the musician are less than 25 years old and 40% of the entire group are under 25 years. What percentage of actors are under 25 years?

a) 20%

b) 40%

c) 50%

d) 60%

8. A car owner buys diesel at Rs. 7.50, Rs. 8.00 and Rs. 8.50 per litre for these successive years. What approximately is the average cost per litre of diesel if he spends Rs. 4000 each year?

a) Rs. 8

b) Rs. 9

c) Rs. 7.98

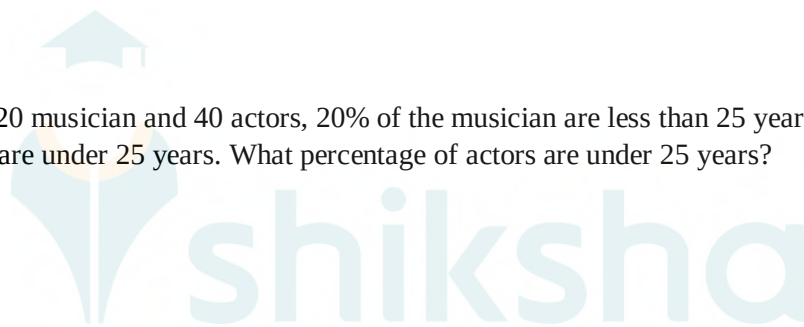
d) Rs. 8.50

9. The average of 5 consecutive numbers A, B, C, D and E is 41. What is the product of A and E?

a) 1677

b) 1517

c) 1665



d) 1591

10. The mean proportional between 45 and a certain number is three times the mean proportional between 5 and 22. The number is.

a) 24

b) 49

c) 22

d) 9

11. Eight people are planning to share equally the cost of a rental car. If one person withdraws from the arrangement and the others share equally the entire cost of the car, then the share of each of the remaining persons increases by _____.

a) one-ninth

b) one-eighth

c) one-seventh

d) seven-eighths

12. Ajay can do a work in 12 days. When he had worked for 3 days, Vijay joined him. If they complete the work in 3 more days, in how many days can Vijay alone finish the work?

a) 6 days

b) 12 days

c) 4 days

d) 8 days

13. Two trains start at the same time from Aligarh and Lucknow and proceed towards each other at the rate of 75 km/hr and 65 km/hr, respectively. When they meet, it is found that one train has travelled 10 km more than the other find the distance between Aligarh and Lucknow.

(a) 140 km

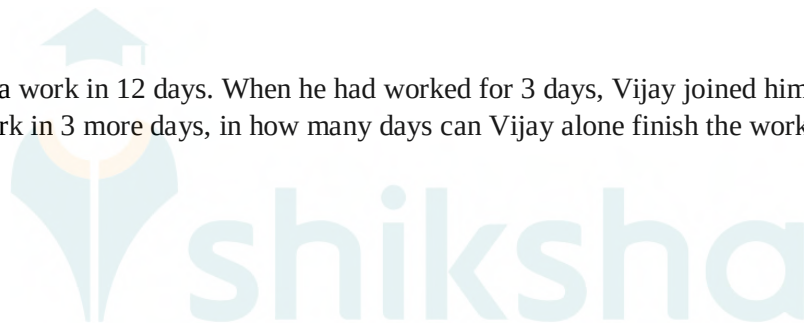
(b) 130 km

(c) 180 km

(d) 150 km

14. If simple interest on Rs. 1200 increases by Rs. 60, when the rate % increases by 4% per annum, find the time.

(a) $1\frac{1}{3}$ years



(b) $1\frac{1}{4}$ years

(c) $2\frac{1}{3}$ years

(d) None of these

15. The sum of the two digits of a number is 15. If 9 be added to the number, then the digits are reversed the number is.

a) 96

b) 87

c) 78

d) 69

16. An urn contains 3 red and 4 green marbles. If three marbles are picked at random, what is the probability that two are green and one is red?

a) $\frac{3}{7}$

b) $\frac{18}{35}$

c) $\frac{5}{14}$

d) $\frac{4}{21}$

17. Is Q a positive number?

A) $4Q + 24 > 0$

B) $4Q - 24 < 0$

(a) If the question can be answered by first statement (Statement A) alone but not by the second statement (Statement B) Alone.

(b) If the question can be answered by second statement (Statement B) alone but not by the first statement (Statement A) alone.

(c) If the question can be answered by using both the statements together, but cannot be using either statement alone.

(d) If the question cannot be answered even by using both the statements together.

18. In an examination of five papers, marks obtained by Sandeep are in the ratio 4 : 5 : 6 : 7 : 8 across the five papers. Each paper carries the same maximum marks in how many papers did Sandeep obtain more than 50% of the maximum marks?

I) Total marks obtained by Sandeep in all the papers together is 300 marks

II) Lowest percentage of marks obtained by Sandeep in any of the papers of this examination is 30%

- (a) If the question can be answered by first statement (Statement A) alone but not by the second statement (Statement B) Alone.
- (b) If the question can be answered by second statement (Statement B) alone but not by th first statement (Statement A) alone.
- (c) If the question can be answered by using both the statements together, but cannot be using either statement alone.
- (d) If the question cannot be answered even by using both the statements together.

19. Which sector received the maximum rainfall in the given year?

- a) North
- b) East
- c) South
- d) West

20. During which period there was minimum rainfall?

- a) Jan-March
- b) April-June
- c) July-Sep
- d) Oct-Dec



shiksha

Logical Reasoning

1. In a Zenith consultant 300 employees are randomly chosen. 240 like coke and 220 like pepsi and 170 like both coke and pepsi. How many like neither coke nor pepsi?

- a) 20
- b) 30
- c) 50
- d) 10

2. Complete the series.

ABZ, DFX, HJV, MNT, _____

- a) SRR
- b) RRR
- c) SRS

d) RRS

3. Dev travelled towards East from his home after travelling 20 km, he took a right turn and covered 4 km then he took a 90° turn in clockwise direction and travels 3 km. In which direction is he travelling now?

a) West

b) North West

c) South

d) South west

4. What is the angle between hour hand and minute hand at 4.30 am?

a) 60°

b) 45°

c) 30°

d) 90°

5. Complete the series

AJT, JTA, _____, AJT, JTA.

a) ATJ

b) JAT

c) TAJ

d) JTA

6. 164 is related to 77 in the same way as 32 is related to _____.

a) 21

b) 16

c) 11

d) 18

7) Select the pair which has following types of relationships

Lion : Pride

a) Bees : Flock

b) Hen : Shoal

c) Fish : Hoard

d) Monkey : Troop

8. Find the odd one among the following.

a) 512

b) 9262

c) 4097

d) 4914

9. Complete the sequence,

0, 120, 440, 960, _____.

a) 1410

b) 1920

c) 1680

d) 1740

10) If 8th September, 1999 is a Wednesday then what will be the day on 9th September, 2023?

a) Friday

b) Saturday

c) Sunday

d) Monday

11. Aman is Sachin's father Sachin is Dev's sister-in-law and Preeti's daughter. How is Preeti related to Aman?

a) Wife

b) Mother

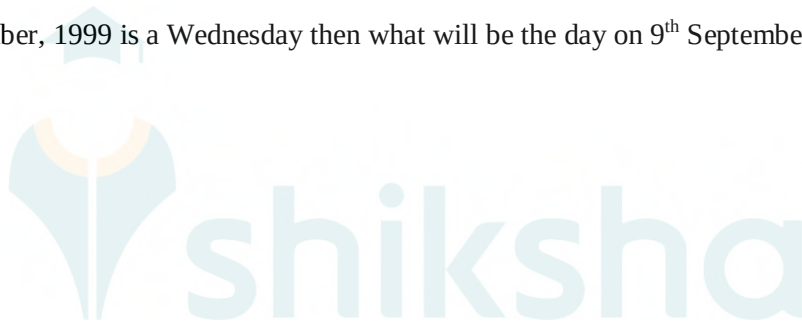
c) Father

d) Husband

12. In the question given below there is a statement followed by two course of action chose the course of action from the option given below the course of action you choose as your answer should logically justify the given statements.

Statements: A large number of people visiting India from country 'Y' have been tested positive for covid-19

Course of action :



I) The government of India should immediately put a complete ban on people coming to India from country 'y'

II) The government of India should immediately set up detection centers at all its airports and seaports to identify and quarantine all those who have tested positive

a) Only I follows

b) Only II follows

c) Both I and II follows

d) Neither I nor II follows

13. In the question given below is a statement followed by two arguments on the basis of the statement, find which of the following is 'strong'

Statements: Should the people taking dowry be punished?

Arguments I): Yes, such people who violate the law should be punished

Arguments II): No, because accepting dowry is a custom that is being carried from ancient times.

a) If only argument I is strong

b) If only argument II is strong

c) If both arguments I and II are strong

d) Neither argument I nor II is strong

14. Two statement is given followed by two assumption I and II you have to consider the statements to be true, if they seem to be at variance from commonly known facts you are which of the given t decide which of the given assumptions is follows.

Statements:

I) All girls do not like to marry

II) Some girls do not marry

Assumption:

I) All girls like to marry

II) All girls do not marry

a) Only I follows

b) Only II follows

c) Both I and II follows

d) Neither I nor II follows

15. Statement: Should the private companies be allowed to operate passenger train services in India?

Arguments:

I. Yes, this will improve the quality of service in Indian Railways as it will have to face severe competition.

II. No, the private companies may not agree to operate in the non-profitable sectors.

Each question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a strong arguments and which is a weak arguments.

- (a) If only arguments I is strong
- (b) If only Argument II is strong
- (c) If neither Argument I nor Argument II is strong
- (d) If both Argument I and Argument II are strong

16. Statement “Traffic police will be provided with alcometers to identify drunken drivers.” – Police chief.

- (a) If only assumption I is implicit
- (b) If only assumption II is implicit
- (c) If neither I nor II is implicit
- (d) If both I and II are implicit

17. Select the correct pair which has following types of relationship?

Adieu : Farewell

- a) Cajole : Coax
- b) Wrath : Pleasure
- c) Nomadic : Urban
- d) Guilty : Innocent

18. Six friends A, B, C, D, E and F are sitting in a circle (not necessarily in the same order), facing the center F is between E and A . E is to the left of D, C is between A and B. who sits to the immediate left of B?

- a) A
- b) E
- c) C
- d) D

19. Pointing to a man in a photograph a woman says, "He is the father of my only daughter-in-law's father-in-law" How is the man related to the woman?

- a) Father-in-law
- b) Mother-in-law
- c) Daughter-in-law
- d) Father

20. In a certain code language, '%' means 'is less than' and '#' means 'is equal to' and given that $A \% B$, $C \# D$ and $C * B$, then which of the following is true?

- a) $A > C$
- b) $A < D$
- c) $D = D$
- d) $D > C > B > A$

General Awareness

1. Bhavai' is a traditional dance form of _____.

- a) Punjab
- b) Maharashtra
- c) Bihar
- d) Rajasthan

2. _____ are the nomads of the Jammu and Kashmir.

- a) Bhotiyas
- b) Gaddi Shepherds
- c) Sherpas
- d) Gujjar Bakarwals

3. Indian Railways has targeted to become 'Green Railway' by _____.

- a) 2025
- b) 2032
- c) 2024
- d) 2030

4. Who was the founder of the Gupta dynasty?

- a) Chandragupta I
- b) Chandragupta II
- c) Samudragupta
- d) Skandgupta

5. When was the Dandi march undertaken?

- a) 13 april, 1919

- b) 18 march, 1919
- c) 12 march, 1930
- d) 5 feb, 1922

6. The Battle of Talikota was fought in the year?

- a) 1565
- b) 1526
- c) 1586
- d) 1576

7. Brabourne Stadium is located at?

- a) Chennai
- b) Nagpur
- c) Bangalore
- d) Mumbai

8. The term 'short corner' is related to which sport?

- a) Horse racing
- b) Lawn tennis
- c) Cricket
- d) Hockey

9. Which of the following planet is also called as Red-Planet?

- a) Venus
- b) Mars
- c) Earth
- d) Jupiter

10. How fast do raindrops fall to the ground?

- a) 1 to 2 metres per second
- b) 10 to 12 metres per second
- c) 3 to 8 metres per second
- d) 15 to 20 metres per second

11. Who appoints the Attorney General of India?

- a) President of India
- b) Prime Minister
- c) Chief Justice of India
- d) Vice- President of India

12. Which of the following High Courts exercises Jurisdiction over Andaman and Nicobar islands?

- a) Mumbai High Court
- b) Calcutta High Court
- c) New Delhi High Court
- d) Andhra Pradesh High Court

13. Which article of India constitution provides for election commission?

- a) 323

- b) 324
- c) 325
- d) 378

14. Which ocean has the longest coastline?

- a) Atlantic
- b) Indian
- c) Pacific
- d) Arctic

15. Where is Doyang Hydroelectric power station located?

- a) Mizoram
- b) Nagaland
- c) Assam
- d) West Bengal

16. _____ is the Outermost layer of Earth's atmosphere?

- a) Troposphere
- b) Stratosphere
- c) Exosphere
- d) Thermosphere

17. Which of the following is false about minimum wages?

- a) A minimum wage law benefits all unskilled workers.
- b) A minimum wage harms firms by forcing them to pay higher wages.
- c) A minimum wage harms customers because the law usually leads to higher product prices.
- d) A minimum wage increases unemployment.

18. Nikkei Index is related to which stock market?

- a) Bombay Stock Exchange
- b) Tokyo Stock Exchange
- c) National Stock Exchange
- d) Newyork Stock Exchange

19. Flipkart acquired which online shop?

- a) Amazon.com
- b) Snapdeal.com
- c) walmart
- d) None of the above

20. Sprite and Fanta are companies owned by?

- a) Pepsi company
- b) Coca-cola company
- c) Unilever
- d) Kraft

Language Comprehension

Direction (1-4): Read the following passage and answer the questions given below.

Regular exercise changes the structure of our bodies' tissues in obvious ways, such as reducing the size of fat stores and increasing muscle mass. Less visible, but perhaps even more important, is the profound influence exercise has on the structure of our brains – an influence that can protect and preserve brain health and function throughout life. In fact, some experts believe that the human brain may depend on regular physical activity to function optimally throughout our lifetime.

Many studies suggest that exercise can help protect our memory as we age. This is because exercise has been shown to prevent the loss of total brain volume (which can lead to lower cognitive function), as well as preventing shrinkage in specific brain regions associated with memory. For example, one magnetic resonance imaging (MRI) scan study revealed that in older adults, six months of exercise training increases brain volume.

Another study showed that shrinkage of the hippocampus (a brain region essential for learning and memory) in older people can be reversed by regular walking. This change was accompanied by improved memory function and an increase of the protein brain-derived neutrophic factor (BDNF) in the bloodstream.

BDNF is essential for healthy cognitive function due to its roles in cell survival, plasticity (the brain's ability to change and adapt from experience) and function. Positive links between exercise, BDNF and memory have been widely investigated and have been demonstrated in young adults and older people.

BDNF is also one of several proteins linked with adult neurogenesis, the brain's ability to modify its structure by developing new neurons throughout adulthood. Neurogenesis occurs only in very few brain regions – one of which is the hippocampus – and thus may be a central mechanism involved in learning and memory. Regular physical activity may protect memory in the long term by inducing neurogenesis via BDNF.

1. All the given statements regarding BDNF are true EXCEPT:

- a) It is essential for healthy cognitive function.
- b) It is a protein linked with adult neurogenesis.
- c) It plays a key role in protecting memory for the short term.
- d) Positive links between exercise, BDNF and memory have been widely investigated.

2. According to one study, how many months of exercise training can increase brain volume in the older adults?

- a) Two
- b) Six
- c) Four
- d) Nine

3. What can be the suitable title for the given passage?

- a) Effects of Exercise on Our Memory
- b) Structure of the Brain
- c) Memory and Physical Exercise
- d) Brain and its Memory

4. Which of the following words cannot replace the word 'ethical' meaningfully in the passage?

- a) Moral
- b) Decorous
- c) Depraved
- d) Principled

Direction (5-7): Find out which part of the following sentence has an error.

5. Neither my cousins nor your mother are wrong.

- a) Neither my
- b) nor your mother
- c) are wrong
- d) No error

6. Last but not the less, my mother is a good homemaker.

- a) Last but not
- b) the less, my mother
- c) is a good homemaker
- d) No error

7. She need to ask her parents about this decision.

- a) She need to
- b) ask her parents
- c) about this decision
- d) No error

8. Identify the correct passive form of the given sentence.

I am not believing her intentions.

- a) Her intentions are not believed by me.
- b) Her intentions are not being believed by me.

- c) Her intentions are not will believed by me.
- d) Her intentions is not being believed by me.

9. Choose the correct one-word substitute for the following phrase.

A person who deserts a party or cause for another

- a) Debutant
- b) Cynical
- c) Heresy
- d) Renegade

10. Pick the correct option to complete the following sentences.

- I. I cannot tolerate injustice _____ me.
- II. Not only my sister _____ my mother is supporting her.
- III. If I _____ the principal of your college, I would have suspended you.
- IV. Monika was unable to struggle _____ the office politics.

Choose the correct answer from the options given below.

- a) (I-is); (II-yet); (III-was); (IV-of)
- b) (I-around); (II-but also); (III-were); (IV- with)
- c) (I-about); (II-were); (III-also); (IV-in)
- d) (I-of); (II-but); (III-is); (IV-by)

Direction (11-12): Choose the word that is closest in meaning to the following statement.

11. Abstinent

- a) Temperate
- b) Voracious
- c) Sensual
- d) Logistic

12. Mollify

- a) Enrage
- b) Soothe

- c) Bug
- d) Vex

13. Pick the correct sentence.

- a) Scientist are trying hard.
- b) My teacher insisted on farther improvement.
- c) Ramesh can lift his mother easily.
- d) The government is trying there best.

14. Read the sentences given below.

I. I do not know how you make this recipe.

II. I do not know that he will comes or not.

Choose the correct answer from the options given below.

- a) I is correct but II is incorrect
- b) I is incorrect but II is correct
- c) Both I and II are correct
- d) Both I and II are incorrect

Direction (15-16): Choose the correct order of the sentences to create a meaningful paragraph.

15.

P. Accepting that things do not last, including success and wealth, allows you to truly appreciate what you have at hand.

Q. When something goes wrong, do not become depressed immediately because things will change.

R. If we accept that all things are impermanent, then that means there can be change, and with change there is hope.

S. This also holds true for the positive things in life.

- a) PQSR
- b) SQR P
- c) QRSP
- d) PRSQ

16.

P. Ecuador is home to some of the world's finest, single-origin dark chocolates.

Q. Remember to carry some mosquito repellent as cacao plantations are notorious for severe mosquito bites.

R. Start by visiting a chocolate plantation, called cacao locally.

S. Indulge in everything chocolate here.

a) PSRQ

b) SQRQ

c) QRSP

d) PRSQ

17. Match the following idioms with their respective meanings.

Idioms	Meanings
1. Once upon a blue moon	A. Never
2. When pigs fly	B. Very rarely
3. Under the weather	C. Feeling sick

a) 1-A, 2-B, 3-C

b) 1-C, 2-A, 3-B

c) 1-B, 2-C, 3-A

d) 1-B, 2-A, 3-C

18. Identify the correct meaning of the phrase.

Carpe Diem

a) Do nothing

b) Learn from the best

c) Have faith

d) Seize the day

Direction (19-20): Replace the phrase in italics in the given sentence from the options given below to make a grammatically correct sentence.

19. Bushfires *has wreaked havoc* and exacerbated the situations of forest animals.

- a) have wreaked havoc
- b) have wreak havoc
- c) have wrecking havoc
- d) has wreak havoc

20. Peel Vegetables *as thinly so possible to* prevent loss of minerals and vitamins.

- a) as thinly as possible to
- b) so thinly as possible to
- c) as thinly as possible too
- d) as thin as possible to

Innovation & Entrepreneurship

1. Which factor is crucial for fostering an innovative culture within an organization?

- a) Strict hierarchy
- b) Fear of failure
- c) Open communication and collaboration
- d) Resistance to change

2. Which term describes the process of bringing a new product or service to market?

- a) Innovation
- b) Ideation
- c) Commercialization
- d) Invention

3. What does the term "disruptive innovation" refer to in entrepreneurship?

- a) Incremental improvements

- b) Maintaining the current market structure
- c) Radical changes that transform industries
- d) Copying existing business models

4. Which of the following is a key characteristic of innovation?

- a) Maintaining the status quo
- b) Resisting change
- c) Creativity and novel ideas
- d) Conforming to industry norms

5. What does the term "intrapreneurship" refer to?

- a) Entrepreneurship in rural areas
- b) Entrepreneurship within an existing organization
- c) Entrepreneurship focused on technology
- d) Entrepreneurship in emerging markets

6. Match List I with List II.

List 1	List 2
A. Zomato	i. Ritesh Aggarwal
B. Zerodha	ii. Deepinder Goyal
C. OYO Rooms	iii. Nithin Kamath

Choose the correct answer from the options given below:

- a) A-i, B-iii, C-ii
- b) A-ii, B-i, C-iii
- c) A-iii, B-ii, C-i
- d) A-ii, B-iii, C-i

7. Who among the following said "Entrepreneurship is the purposeful activity of an individual or a group of associated individuals, undertaken to initiate, maintain or aggrandize profit by production or distribution of economic goods and services."?

- a) A.H. Cole

- b) Hoselitz
- c) Kirzner
- d) Kaish and Gilad

8. Which of the following objectives of Multiple Grant Scheme (MGS) is stated correctly?

- I. Establish, nurture and strengthen the linkages between the Industry and Institutes
- II. Encourage and accelerate development of indigenous products and packages

- a) Only I
- b) Only II
- c) Neither I nor II
- d) Both I and II

9. Which of the following is a characteristic of market pull innovation?

- a) Technology-driven solutions
- b) Proactive development based on internal expertise
- c) Reactive response to market needs
- d) Limited consideration for customer preferences

10. Which of the following is an external determinant of entrepreneurship?

- I. Individual's traits and qualities
- II. Exposure and experience
- III. Legal framework

- a) Only I
- b) Only I and III
- c) Only III
- d) Only I and II

11. What is the typical duration of protection offered by a utility patent?

- a) 5 years
- b) 10 years
- c) 15 years
- d) 20 years from the filing date

12. Which of the following statements is correct regarding small scale enterprises?

I. Access to finance is often cited as a significant challenge for small-scale enterprises.

II. The informal nature of many small-scale enterprises contributes to a flexible and personalized approach to business

III. Micro-enterprises are a subset of small-scale enterprises and typically have a smaller number of employees and lower revenue.

- a) Only I
- b) Only I and III
- c) Only III
- d) All three

13. Six Sigma level allows how many defects per one million opportunities?

- a) 3.4
- b) 4.6
- c) 2.6
- d) 3.9

14. What does the term "lean startup" emphasize in entrepreneurship?

- a) High initial investment
- b) Slow and cautious growth
- c) Rapid experimentation and iterative development
- d) Long-term planning over short-term results

15. Which of the following is an example of process innovation across different industries?

I. E-commerce and Online Ordering Systems

II. Business Process Reengineering

III. Automation and robotics

- a) Only I
- b) Only I and III
- c) Only III
- d) All three

16. Which of the following is an example of a third-party payment provider commonly used in e-commerce transactions?

- a) Amazon
- b) PayPal
- c) eBay
- d) Alibaba

17. Which e-commerce trend involves the use of artificial intelligence to analyse consumer behaviour and offer personalized shopping recommendations?

- a) Augmented reality shopping
- b) Social commerce
- c) Voice commerce
- d) Predictive analytics

18. In the context of venture capital, what does the term "exit strategy" refer to?

- a) Initial public offering (IPO) or acquisition
- b) Initial investment stage
- c) The negotiation process with startups
- d) The first phase of a business plan

19. In the startup ecosystem, what does the term "bootstrapping" refer to?

- a) Securing venture capital funding
- b) Self-funding and operating without external investment
- c) Joining a startup accelerator program
- d) Acquiring a competitor

20. Which stage of startup development involves refining the business model and preparing for market entry?

- a) Seed stage

- b) Series A
- c) Series B
- d) Growth stage

