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Roll No.....

## END TERM EXAMINATION, JUNE 2024 COURSE: B. Tech (All Branches) SEM - 6TH SUBJECT: CAREER SKILLS

TIME: 3 Hours

Maximum Marks: 100

Instructions for candidates:

- (i) All questions are compulsory. Each question carries 1 mark.
- (ii) Use of calculator is not allowed.
- (iii) There is no negative marking for incorrect responses.
- (iv) Write the SET on the OMR sheet.

Directions :(Q1-Q5) Choose the grammatically correct option from among the four choices provided in each of the following questions.

- Q1: (a) We will drive no further tonight.
  - (b) We will drive no farther tonight.
  - (c) We would drive no further tonight.
  - (d) We drive no further tonight.
- Q2: (a) I don't want to lose the job.
  - (b) I don't want to loose the job.
  - (c) I don't want to lost the job.
  - (d) I don't want to loosen the job.
- Q3: (a) He could not illicit the meaning from the passage.
  - (b) He could not elicit the meaning from the passage.
  - (c) He could not be illicit the meaning of the passage.
  - (d) He could not being elicit the meaning of the passage.
- Q4: (a) That was the best compliment I had ever received.
  - (b) That was the best complement I had ever received.
  - (c) That was the better compliment I had ever received. (d) That was the better complement I had ever received.
- Q5: (a) Jack is wiser than strong.
  - (b) Jack is more wiser than strong.
  - (c) Jack is more wise than strong.
  - (d) Jack is the wiser than strong.

Directions: (Q6-Q10) In each of the following questions find the grammatically correct option out of a, b, c, and d and mark it as your answer on OMR sheet.

- Q6: (a) He is delivering the lecture for two hours now.
  - (b) He has been delivering the lecture for two hours now.
  - (c) He had been delivering the lecture for two hours now.
  - (d) He has delivered the lecture for two hours now.
- Q7: (a) The printer had been working well before that moment.
  - (b) The printer has been working well before that moment.
  - (c) The printer was been working well before that moment.
  - (d) The printer is being working well before that moment.

- Q8: (a) By the time he would join school ,she would have been serving there for five years.
  - (b) By the time he would join school, she had been serving there for five years.
    - (c) By the time he enters school, she has been serving there for five years.
    - (d) By the time he enters school, she is being serving there for five years.
- Q9: (a) Had you been preparing sincerely, you could have got the desired result.
- (b) Have you been preparing sincerely, you could have got the desired result.
  - (c) Had you been preparing sincerely, you could have get the desired result.
  - (d) Would you been preparing well ,you had got the desired result.
- Q10: (a) "You have Jeopardized my position in the office", she said.
  - (b) "You are jeopardized my position in the office", she said.
  - (c) "You have been jeopardized my position in the office", she said.
  - (d) "You have jeopardy my position in the office", she said.

Directions:(Q11-Q15) Identify the correct sentence in each of the following questions and mark it as your answer.

- Q11: (a) I would travel around the world if I get a high salaried job.
  - (b) I would travel around the world if I got a high salaried job.
  - (c) I would travel around the world if I have got a high salaried job.
  - (d) I would travel around the world if I will get a high salaried job. .
- Q12: (a) When people smoke cigarettes, their health deteriorates.
  - (b) When people smoke cigarettes, their health deteriorated.
  - (c) When people smoke cigarettes, their health may deteriorates.
  - (d) When people smoke cigarettes, their health should deteriorates.
  - Q13: (a) If I am the prime minister, I would free the country from taxes..
    - (b) If I were the prime minister, I would free the country from taxes.
    - (c) If I can become the prime minister, I will free the country from taxes.
    - (d) If I am going to become the prime minister, I would free the country from taxes.
  - Q14: (a) I would not have to face humiliation, if I had studied.
    - (b) I would not have been facing humiliation, if I had studied.
    - (c) I would not have faced humiliation, if I had studied.
    - (d) I would not face humiliation, if I had studied.
  - Q15:(a) When you boil water to 100 degree centigrade, it does evaporates.
    - (b) When you will boil water to 100 degree centigrade, it evaporates.
    - (c) When you boil water to 100 degree centigrade, it evaporates.
    - (d) When you will boil water to 100 degree centigrade, it will evaporate.

Directions: (Q16-Q20) in each of the following questions four options are provided. Choose the option that has correct grammatical construction & mark it as your answer.

- Q16: (a) Not only the guitar player but the drummer were also soaked in sweat.
  - (b) Not only the guitar player but the drummer was also soaked in sweat.
  - (c) Not only the guitar player but the drummer are also soaked in sweat.
  - (d) Not only the guitar player but the drummer are being soaked in sweat.
- Q17 (a) The players, as well as the captain, wants to win.
  - (b) The players, as well as the captain, want to win.
  - (c) The players, as well as the captain, wanting to win.
  - (d) The players, as well as the captain, is wanting to win.

Q18 (a) A lot of the pies have disappeared.

- (b) A lot of the ples has disappeared.
- (c) A lot of the ples is disappeared..
- (d) A lot of the pies was disappeared.

Q19: (a) The committee members lead very different lives in private.

- (b) The committee members leads very different lives in private.
- (c) The committee members are lead very different lives in private.
- (d) The committee members does lead very different lives in private.

Q20:(a) Time and Tide wait for none.

- (b) Time and Tide waits for none.
- (c) Time and Tide have wait for none.
- (d) Time and Tide have been waiting for none.

Directions: (Q21-Q25) Read the following paragraph carefully and answer the questions that follow.

The city will be enforcing winter parking rules from December 1 through March 31, according to City Street Manager Joseph Parks. This includes alternate-side parking regulations, as well as tow-away zones and handicap exceptions. Cars are to be parked on the south and east sides of streets between the hours of 8 a.m. and midnight; and on the north and west sides of streets between midnight and 8 a.m. This is to permit snow plows and emergency vehicles access to all neighborhoods, as well as to keep rush-hour traffic to a minimum. Vehicles that do not follow these guidelines will be towed at the owner's expense, Parks said, with the exception of those vehicles displaying handicapped parking permits.

Q21: What is the style of writing of this paragraph?

(a) Namative

(b) Descriptive (c) Analytical

(d) Propaganda

Q22: What is the central idea of the passage?

- (a) Cars should be parked on the street.
- (b) Snow plows can bury cars under snow.
- (c) Winter parking regulations will be put into effect.
- (d) Winter parking regulations are good for the environment.

Q23: When should cars be parked on the west side of the street?

- (a) between 8 a.m. and midnight
- (b) between midnight and 8 a.m.
- (c) between December 1 and March 31
- (d) not stated

Q24: Which of the following is NOT a reason for these parking regulations to be followed?

- (a) They prevent excessive traffic.
- (b) It's good for the cars to be moved frequently in cold weather.
- (c) It allows snow plows to get through.
- (d) They enable emergency vehicles to gain access to all neighborhoods.

Q25: Choose the synonym of the underlined word in the passage.

(a) Volunteering

(b) Administering

(c) Neglecting

(d) Disregarding

Direction: (Q26-Q30) Read the following paragraph carefully and answer the questions that follow. Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. By contrast, in musical theater an actor's dramatic performance is primary, and the music plays a lesser role. The drama in opera is

presented using the primary elements of theater such as scenery, costumes, and acting. However, the words of the presented using the primary elements of the words of the opera, or libretto, are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a opera, or libretto, are sung rather than spoken. small instrumental ensemble to a full symphonic orchestra.

Q26; One of the major ideas from the paragraph is that:

- (a) Opera has developed under the influence of musical theater.
- (b) Opera is a drama sung with the accompaniment of an orchestra.
- (c) Opera is the most complex of all performing arts.
- (d) Opera is most often performed in Europe.

Q27: What is the central idea of the passage?

- (a) People are captivated more by opera than by musical theatre.
- (b) Drama in opera is more important than music.
- (C) A comparison is drawn between opera and musical theatre.
- (d) The size of orchestra in opera can vary.

Q28: The paragraph makes it clear that:

- (a) acting and costumes are secondary to music in musical theater.
- (b) opera doesn't have any properties in common with musical theater.
- (c) an opera requires a huge orchestra as well as a large choir.
- (d) music in musical theater is not as important as it is in opera.

Q29: Choose a synonym of the underlined word from the paragraph.

- (a) Incompleteness
- (b) Partiality
- (c) Fraction
- (d) Collection

Q30: Select the antonym of "refer" from the given options.

- (a) Refuse
- (b) Mention
- (c) Cite
- (d) Allude

Direction: (Q31-Q35) Read the following paragraph and answer the questions based on it. Erosion of America's farmland by wind and water has been a problem since settlers first put the prairies and grasslands under the plow in the nineteenth century. By the 1930s, more than 282 million acres of farmland were damaged by erosion. After 40 years of conservation efforts, soil erosion has accelerated due to new demands placed on the land by heavy crop production. In the years ahead, soil erosion and the pollution problems it causes are likely to replace petroleum scarcity as the nation's most critical natural resource problem.

Q31. As we understand from the reading, today, soil erosion in America
a) causes humans to place new demands on the land.
a) causes numans to place new demands on the land.

- b) is worse than it was in the nineteenth century.
- c) happens so slowly that it is hardly noticed.
- d) is the most critical problem that the nation faces.

Q32. The author points out in the passage that erosion in America\_

- a) has damaged 282 million acres ever since settlers over the years.
- b) has been so severe that it has forced people to abandon their settlements.
- c) occurs only in areas with no vegetation.
- d) can become a more serious problem in the future.

Q33.One of the major Ideas of the paragraph is that:

a) petroleum is causing heavy soil erosion and pollution problems.

- b) heavy crop production is necessary to meet the demands and to prevent a disaster.
- c) soil erosion has been hastened due to the overuse of farming lands.

d) water is undoubtedly the largest cause of erosion.

Q34: What is the tone of this paragraph?

a) Assertive

b) Laudatory

c) Analytical

d) Nostalgic

Q35. Choose a synonym of the underlined word from the passage.

a) Destruction b) Squandering c) Neglect

d) Preservation

Direction: (Q36-Q40) Read the following passage carefully and answer the questions based on it. Creativity is at once our most precious resource and our most inexhaustible one. As anyone who has ever spent any time with children knows, every single human being is born creative; every human being is innately endowed with the ability to combine and recombine data, perceptions, materials and ideas, and devise new ways of thinking and doing. What fosters creativity? More than anything else: the presence of other creative people. The big myth is that creativity is the province of great individual geniuses. In fact creativity is a social process. Our biggest creative breakthroughs come when people learn from, compete with, and collaborate with other people.

Cities are the true fonts of creativity... With their diverse populations, dense social networks, and public spaces where people can meet spontaneously and serendipitously, they spark and catalyze new ideas. With their infrastructure for finance, organization and trade, they allow those ideas to be swiftly actualized. As for what staunches creativity, that's easy, if ironic. It's the very institutions that we build to manage, exploit and perpetuate the fruits of creativity — our big bureaucracles, and sad to say, too many of our schools. Creativity is disruptive; schools and organizations are regimented, standardized and stultifying.

The education expert Sir Ken Robinson points to a 1968 study reporting on a group of 1,600 children who were tested over time for their ability to think in out-of-the-box ways. When the children were between 3 and 5 years old, 98 percent achieved positive scores. When they were 8 to 10, only 32 percent passed the same test, and only 10 percent at 13 to 15. When 280,000 25-year-olds took the test, just 2 percent passed. By the time we are adults, our creativity has been wrung out of us.

I once asked the great urbanist Jane Jacobs what makes some places more creative than others. She said, essentially, that the question was an easy one. All cities, she said, were filled with creative persons; that's our default state as people. But some cities had more than their shares of leaders, people and institutions that blocked out that creativity. She called them "squelchers."

Creativity (or the lack of it) follows the same general contours of the great socio-economic divide - our rising inequality - that plagues us. According to my own estimates, roughly a third of us across the United States, and perhaps as much as half of us in our most creative cities - are able to do work which engages our creative faculties to some extent, whether as artists, musicians, writers, techies, innovators, entrepreneurs, doctors, lawyers, journalists or educators - those of us who work with our minds. That leaves a group that I term "the other 66 percent," who toll in low-wage rote and rotten jobs — if they have jobs at all — in which their creativity is subjugated, ignored or wasted.

Creativity itself is not in danger. It's flourishing is all around us - in science and technology, arts and culture, in our rapidly revitalizing cities. But we still have a long way to go if we want to build a truly creative society that supports and rewards the creativity of each and every one of us.

Set A

Paper Code: XCS 601/600

Q36: In the author's view, cities promote human creativity for all the following reasons EXCEPT that they:

a) Contain spaces that enable people to meet and share new ideas.

b) Expose people to different and novel ideas, because they are home to varied groups of people.

c) Provide the financial and institutional networks that enable ideas to become reality.

d) Provide access to cultural activities that promote new and creative ways of thinking.

Q37: The author uses 'ironic' in the third paragraph to point out that:

a) People need social contact rather than isolation to nurture their creativity.

b) Institutions created to promote creativity eventually stifle it.

c) The larger the creative population in a city, the more likely it is to be stifled.

d) Large bureaucracies and institutions are the inevitable outcome of successful cities.

Q38: The central idea of this passage is that

a) Social interaction is necessary to nurture creativity.

b) Creativity and Ideas are gradually declining in all societies.

c) The creativity divide is widening in societies in line with socio-economic trends.

d) More people should work in jobs that engage their creative faculties.

Q39: Jane Jacobs believed that cities that are more creative:

a) Have to struggle to retain their creativity. -

b) Have to 'squelch' unproductive people and promote creative ones.

c) Have leaders and institutions that do not block creativity.

d) Typically do not start off as creative hubs.

Q40: The 1968 study is used here to show that:

a) As they get older, children usually learn to be more creative.

b) Schooling today does not encourage creative thinking in children.

c) The more children learn, the less creative they become.

d) Technology today prevents children from being creative.

Direction: (Q41-Q45) Read the below given passage carefully and answer the questions.

Grove snails as a whole are distributed all over Europe, but a specific variety of the snail, with a distinctive whitelipped shell, is found exclusively in Ireland and in the Pyrenees mountains that lie on the border between France and Spain. The researchers sampled a total of 423 snail specimens from 36 sites distributed across Europe, with an emphasis on gathering large numbers of the white-lipped variety. When they sequenced genes from the mitochondrial DNA of each of these snails and used algorithms to analyze the genetic diversity between them, they found that. . . a distinct lineage (the snails with the white-lipped shells) was indeed endemic to the two very specific and distant places in question.

Explaining this is tricky. Previously, some had speculated that the strange distributions of creatures such as the white-lipped grove snails could be explained by convergent evolution—in which two populations evolve the same trait by coincidence—but the underlying genetic similarities between the two groups rules that out. Alternately, some scientists had suggested that the white-lipped variety had simply spread over the whole continent, then been wiped out everywhere besides Ireland and the Pyrenees, but the researchers say their sampling and subsequent DNA analysis eliminate that possibility too. "If the snalls naturally colonized Ireland, you would expect to find some of the same genetic type in other areas of Europe, especially Britain. We just don't find them," Davidson, the lead author, said in a press statement.

Moreover, if they'd gradually spread across the continent, there would be some genetic variation within the whitelipped type, because evolution would introduce variety over the thousands of years it would have taken them to spread from the Pyrenees to Ireland. That variation doesn't exist, at least in the genes sampled. This means that rather than the organism gradually expanding its range, large populations instead were somehow moved en mass to the other location within the space of a few dozen generations, ensuring a lack of genetic variety.

"There is a very clear pattern, which is difficult to explain except by involving humans," Davidson said. Humans, after all, colonized Ireland roughly 9,000 years ago, and the oldest fossil evidence of grove snails in Ireland dates to roughly the same era. Additionally, there is archaeological evidence of early sea trade between the ancient peoples of Spain and Ireland via the Atlantic and even evidence that humans routinely ate these types of snails before the advent of agriculture, as their burnt shells have been found in Stone Age trash heaps. The simplest explanation then is "Boats". These snails may have inadvertently traveled on the floor of the small, coast-hugging skiffs these early humans used for travel, or they may have been intentionally carried to Ireland by the seafarers as a food source. "The highways of the past were rivers and the ocean—as the river that flanks the Pyrenees was an ancient trade route to the Atlantic, what we're actually seeing might be the long lasting legacy of snails that hitched a ride…as humans travelled from the South of France to Ireland 8,000 years ago," Davidson said.

Q41: All of the following evidence supports the explanation of sea travel/trade EXCEPT:

- a) Archaeological evidence of early sea trade between the ancient peoples of Spain and Ireland via the Atlantic
- b) The oldest fossil evidence of white-lipped grove snails in Ireland dates back to roughly 9,000 years ago, the time when humans colonized Ireland.
- c) Absence of genetic variation within the white-lipped grove snalls of Ireland and the Pyrenees, whose genes were sampled.
- d) The coincidental existence of similar traits in the white-lipped grove snails of Ireland and the Pyrenees because of convergent evolution.

Q42: In paragraph 4, the evidence that "humans routinely ate these types of snails before the advent of agriculture" can be used to conclude that:

- a) 9,000 years ago, during the Stone Age, humans traveled from the South of France to Ireland via the Atlantic
- b) white-lipped grove snails may have inadvertently traveled from the Pyrenees to Ireland on the floor of the small, coast-hugging skiffs that early seafarers used for travel.
- c) The seafarers who traveled from the Pyrenees to Ireland might have carried white-lipped grove snails with them as edibles.
- d) Rivers and oceans in the Stone Age facilitated trade in white-lipped grove snails.

Q43: Which one of the following makes the author eliminate convergent evolution as a probable explanation for why white-lipped grove snails are found in Ireland and the Pyrenees?

- a) The absence of genetic similarities between white-lipped grove snails of Ireland and snails from other parts of Europe, especially Britain.
- b) The distinct lineage of white-lipped grove snalls found specifically in Ireland and the Pyrenees.
- c) The absence of genetic variation between white-lipped grove snails of Ireland and the Pyrenees.
- d) The coincidental evolution of similar traits (white-lipped shell) in the grove snails of Ireland and the Pyrenees.

Q44: The passage outlines several hypotheses and evidences related to white-lipped grove snails to arrive at the most convincing explanation for:

- a) How the white-lipped variety of grove snails independently evolved in Ireland and the Pyrenees.
- b) How the white-lipped variety of grove snails might have migrated from the Pyrenees to Ireland.
- c) Why the white-lipped variety of grove snails are found only in Ireland and the Pyrenees.
- d) Why the white-lipped varieties of grove snails were wiped out everywhere except in Ireland and the Pyrenees.

Q45: What was the sample size and location of the research on the white lipped snails?

- a) a total of 432 snail specimens from 36 sites distributed across France.
- a total of 423 snail specimens from 36 sites distributed across Europe.
- c) A total of 423 snail specimens from 63 sites distributed across Spain.
- d) a total of 324 snail specimens from 36 sites distributed across Pyrenees.

Direction: (Q46-Q50) Pick the one sentence out of the four given options that has a synonym of the word given in the bold letters.

## Q46: Helped

- (a) She unknowingly abetted the burglar by holding open the elevator doors.
- (b) She unknowingly coerced the burglar by holding open the elevator doors.
- (c) She unknowingly solicited the burglar by holding open the elevator doors. (d) She unknowingly proclaimed the burglar by holding open the elevator doors.

## Q47: Copy

- (a) He failed in his research work because he authorized material from another author. (b) He falled in his research work because he stimulated material from another author.
- (c) He failed in his research work because he plagiarized material from another author.
- (d) He failed in his research work because he meditated material from another author.

# Q48: Threatened

- (a) Her back injury advanced his prospects for a gold medal at the championship.
- (b) Her back injury jeopardized his prospects for a gold medal at the championship. (c) Her back injury expounded his prospects for a gold medal at the championship.
- (d) Her back injury compelled his prospects for a gold medal at the championship.

## Q49: Arouse

- (a) She would advocate her little sister into an argument by teasing her.
- (b) She would lament her little sister into an argument by teasing her.
- (c) She would expunge her little sister into an argument by teasing her.
- (d) She would provoke her little sister into an argument by teasing her.

#### Q50: Ploys

- (a) The fraudster used his malleability to convince her to sign over her savings to him.
- (b) The fraudster used his wile to convince her to sign over her savings to him.
- (c) The fraudster used his attentiveness to convince her to sign over her savings to him.
- (d) The fraudster used his vulnerability to convince her to sign over her savings to him.

(d) The Haddster ases the			nnh
Q51. A man travels the first 50 km at 25 kmph, th	e next 40 km	at 20 kmph, and the remaining 90 km at 13 km	iipi.
His average speed for the whole journey in kmph-	cl 25	d) 32	

a) 18

b) 20

c) 25

Q52. Deepak goes to the school at the speed of 3kmph and returns at the speed of 2kmph. If he takes 10 hours in all, then the distance between the village and the school is-

a) 15km

b) 16km

c) 17km

d) 12km

Q53. In a km race, P beats Q by 100 m and Q beats R by 200 m. By how many meters does P beat R in the same race?

a) 280 m

b) 300 m

c) 301 m

d) 250 m

Q54. P and Q start simultaneously from two different places and proceed towards each other at a speed of 20 km/h and 30 km/h respectively. By the time they meet each other. Q has covered 36km more than that of P. The distance (in km.) between the two places is

a) 144

b) 162

c) 180

d) 108

P to Q and back in 12h and for	I-point between two porom P to R in 16 h 40 m 4.33h c) 3.5h	in. Now long would	ne same bank of the river. A boat can go from Id It take to go from R to P?					
current. If the whole trip last a) 4kmph b)	6 h, find his rowing sp 5kmph	c) 6kmph	nd then turns around and rows back with the d) 8kmhp					
	is running at a speed	of 72 km/h. How	long will it take to cross an 800 metre long					
bridge? a) 50 seconds b) 40 secon		d) 30 seconds						
Q58. A train passes two bridges of lengths 500 metres and 250 metres in 10 seconds and 6 seconds respectively								
What is the length of the trai a) 152 metres b) 125 metr	res c) 250 metres	d) 120 metres						
QS9. A train passes two pers	ons walking in the san	ne direction at spe	eeds of 3 km/h and 5 km/h respectively in 10					
seconds and 11 seconds. Who a) 28 km/h b)	at is the speed of the ti 27 km/h	c) 25 km/h	d) 24 km/h					
Oco A passanger train 350 m	netres long is travelling	at a speed of 30 kg	m/h. If a man is cycling in the direction of the					
train at 9 km/h, how long will	lit take for the train to	d) 60 seconds						
a) 40 seconds b) 45 secon	ds c) 58 seconds	a) eo seconos						
distance of 84 kms while go	still water is 25 kmph ing upstream, find the	and the speed of distance covered	f the stream is 4 kmph. If the boat travels a d by the boat in the same time while going					
	116 kms	c) 168 kms	d) 140 kms					
Q62: 2 people A and B start move in the same direction. A a) 20 sec b) 35 sec	at the same point of a After how much time si c) 26.66	nce the start will th	ack at speeds of 40 m/sec and 25 m/sec and hey meet for the first time? d) None of These					
063 Two pines can fill a tank	in 15 hours and 20 ho	urs respectively, w	while the third pipes can empty it in 30 hours.					
If all the pipes are opened sin	nultaneously, the empt 12 hours	c) 15 hours	d) 15.5 hours					
Q64. Two pipes A and B can fill a cistern in 15 hours and 10 hours respectively. A tap can empty the full cistern in 30 hours. All the three taps were open for 2 hours, when it was remembered that the emptying tap had been left open. It was then closed. How many hours more would it take for the cistern to be filled?  a) 4hr 30 min. b) 4hr 12 min, c) 4 hr 24 min. d) 4hr 35 min.								
Q65. Ravi and Radhe work to	gether to finish a pro	ject in 12 days. If	Ravi alone can finish the project in 20 days,					
how many days will it take for	r Radhe and Ravi worki 12 days	c) 15 days	he works only half a day daily? d) 18 days					
men and 40 women to compl	a task in 5 days, which ete the task together? 2 days	h takes 20 women c) 2(1/2) days	a 20 days to finish. How long will it take for 6 d) 2/3 days					
0,2,200,			Johan Joanes after working for six days, how	į				
Q67. Mohan can finish a job many more days will it take fo	in 20 days, and Sohar or Sohan to finish the re	n in 30 days. If M emaining work?	lohan leaves after working for six days, how					
a) 8 b) :	12	c) 13	d) 15					
			¥					

	Q68. M takes ten days mo			ele 16	together they finish the	work in 6(2/3) days,
	ace Maker ten days mo	ore than N to com	plete a plec	e of work.	toberne	
	how many days will it take	IDI IVI CO COMP	· c) 2	0	-,	
	a) 12 Q69. Four boys can complete and five piris complete	b) 15	d five	girls can fini	sh it in eight days. In ho	w many days will six
	Q69. Four boys can comp	lete a task in six o	lays, and Tive	Buris com		
	DOYS and live Buis comple	LLD to down	. c) 2	(2/3) days	0/5/5	
	a) 5/2 days  Q70. A pipe can fill a tank	After h	If the tank is	s filled, three	more similar pipes are	opened. What is the
	Q70. A pipe can fill a tan	k in bars. After its	in the tolling			
	total time taken to im the	highes 45 min	cl4hrs 45 mi	n d)4hrs		
		000		an minutes re	spectively. If tap J is op	ened all the time and
	Q71. Three taps J, K, and	L can fill a tank in	12, 15, and	tank will be f	ull in (approx)	
	Q71. Three taps J, K, and pipes K and L are opened	tol one nout are		talk will be.	d) 5hr	
	a) 2 b c	D1 4111	C) 0111			
				6 of the sam	e work in 4 days, how m	uch will A get it both
	Q72. If A can do 1/4 of a	work in 3 days an	d B can bo 1/	o or the sam		
	work together and are pa	IU N3. 100 III UIII		d) Rs 12	10	
	a) Rs 80	b) Rs 160	c) Rs 150			The state of the s
	Q73: The efficiency of A i		12 and of C If	B alone can	finish a job in 48 days, ir	n how many days can
	Q73: The efficiency of A	s twice of B and 1	73 tu oi c. ii	B Blotte serv		
	the three of them do it to	Becuert		5 days	d) none of these	
	a) 5.33 days	b) 7 days			12. 5. 20. 10.	200 - 0000 kg a garan a garan
	Q74: A can do a work i	ac days and B	alone in 24	days. They st	arted together but A le	ft 2 days before the
	Q74: A can do a work is completion of the work.	n 16 days and b	was the wor	completed?		
		b) 8.8 days	c)	10.8 days	d) none of the	se
	a) 15 days	and the second second				
	Q75. If six persons are se	lected out of ten	in how many	ways will a pa	articular person be includ	ded among those six:
	a) 124 b) 126	c) 144	,	d) 84		
	-, ,				02	a Have many
	Q76. From a group of per	rsons, the number	of ways of s	electing 5 per	sons is equal to that of 1	o persons. How many
	persons are there in the	group?				
	a) 13	b) 40	c)	18	d) 15	
	-	f (				of ways in which the
	Q77. From 4 gentlemen	and 6 ladies, a	committee o	f five is to be	e formed. The number	of ways in which the
	committee can be forme	d so that the gent	lemen are in	majority is:		3
*	a) 66	b) 156	c) 60		d) None of these	
					·	of ways in which the
	Q78. Two out of six pap	er sets for an exam	mination are	of mathemat	tics. What is the number	Of ways in which the
	papers can be set so that	t the two mathem	atics papers a	are not togeth	leir	
	a) 580 b) 520			d) 512		
	* 5 %		75% %	7 1 15 E	- 4 different constant va	lues possible. What is
	Q79. A certain code con	sists of 5 variables	, with each v	rariable navin	g 4 different constant va	e?
	the total number of code	ed messages that o	can be sent w	ith 5 constan	ts, one from each variabl d) 1024×2!	<b>c</b> .
	a) 1024×5!	b) 1024×4!	c)	1024×3!	0) 1024^2!	
					ed lacticle' so that the vo	wels occupy the even
	Q80. How many words	can be formed ou	t of the lette	ers of the wor	rd 'article' so that the vo	man outself me start
	places?				d) 36	*
	a) 72	b) 144	c) 288		0) 30	
	15.					

Q81. In how mar together?	ny ways c	an the le	tters of t	he word	'Lucknov	w' be arr	anged so	that the	two vo	wels do	not come	
a) 720	b) 1440		c) 3600		d) None	of these	٨				•	
Q82. How many o	different v	words car	be form	ed with I	the letter	s of the	word 'Vic	e Chancell	or' so t	hat the	vowels are	
a) 10×5!	b) 10!×5!	4		) 5×(10)	/2)		d) 5×10!					
Q83. How many 1 a) 720	new word b) 719		formed fr c) 372	om the I		the word d) 359	d 'Circle'	taken toget	ther?			
Q84. How many digits in a numbe	numbers	between	100 and	1000 car	be form	ed using	the digit	ts 0, 2, 4, 6	, 8, and	d S, if re	petition of	
a) 99		b) 82			c) 100			d) 120	4			
Q85. How many being repeated?	different	numbers	greater t	han 500	0 can be	formed	with the	digits 0, 1,	5, 6, a	nd 9, wi	th no digit	
a) 48		b) 72			c) 124			d) 96		T:	t	
Q86. There are particular men a	5 men an re always	d 3 wom excluded	en. In ho	w many	ways ca	n a com	mittee o	f 3 membe	ers be	made s	uch that 2	
a) 50		b) 20			c) 24			d) 48				
Q87. In how mar a) 1234	ny ways ca b) 1728	ın 3 prize	s be giver c) 5314	n away to	d) 1331	ents whe	n each s	tudent is el	ligible t	for all th	e prizes?	
Q88. Total numb	ber of way	ys in whi	ch 10 ide	ntical sw	eets can	be distr	ibuted ar	mong 3 per	rsons s	uch tha	t everyone	
a) 9 C 2	b) 10 C 2	2	c) 12 C 2		d) 351 / 5	51						
Q89. In how man a) 2520	ny ways ca b) 5040		is be strur c) 1024	ng into a	necklace d) 360	?					٠	
Q90. Find the nu a) 252 ,	ımber of 3 b) 345	3-digit nu	mbers su c) 648	ch that a	t least on	e of the d) 560	digits is 6	(with repe	etition	s)?		
Q91. One numb		cted at r	random fr	rom the	first 40 r	natural n	umbers.	What is the	he pro	bability	that it is a	
a) 13/40	b) 3/10		c) 5/18		d) 3/7							
Q92. A bag contains 6 green apples and 7 red apples. If two apples are drawn from that bag, then what is the probability that one is red and the other is green?												
a) 6/7		b) 7/13		c) 5/13		d) 6/13						
Q93. The proba	bility of a	problem	n being so	lved by	Rohan is ed?	1/3 and	by Moh	an is 1/4.	If they	try inde	pendently,	,
a) 3/5		b) 1/20		c) 2/7			d) 5/12					
Q94. Probabilit			t by Ama	n is 4/5,	by Rohit	is 3/4,	and by S	ohit is 2/3.	. Find	the prot	ability that	t
none of them w a) 1/60	ill hit the b) 3/5	target.		c) 1/12		d) 2/3		×			3	

			· Flore	sudents are select	ted at random. What is the probability that 2
O95. In a clas	s, there are	15 boys and 10 girl	s. Five :	STUDENTS are server	
girls and 3 bo	ys are select	ed? b) 211/435		c) 195/506	d) Can't be determined
-,,					obability that A and B will sit together?
A bos A ago	sit in a ring a	rrangement with 1	0 perso	ons. What is the pro	oodent, the
a) 2/11	b) 3/11	c) 4/11		d) 5/11	
6) 4/11	0,0,722				of the world (BROBABILITY) the free fits de-
	- Cabillar	that in a random a	arrange	ment of the letter	s of the word 'PROBABILITY', the two B's do
		that in a famous			
not come top		c) 9/11	d) 4/11		4
a) 1/11	b) 2/11				
Q98. A five-	digit number	is formed with the	e digits	0, 1, 2, 4, and 6	without repetition. Find the chance that the
number is di	visible by 5.				d) 2/5
a) 3/5	•	b) 1/4		c) 3/5	5, -, -
					of at most one head?
Ogg Three C	nins are toss	ed. What is the pro	bability	of the appearance	e of at most one head? d) 3/4
a) 1/2		b) 1/3		012/5	
0100 0 4 5	ov contains	s articles out of w	hich 5	are defective. 3 art	icles are to be delivered to a customer. What
is the probab	offity that he	get one defective a	uticier	d) 22/45	