14649

B.Tech. DEGREE EXAMINATION, JUNE - 2023

18PDH201T - EMPLOYABILITY SKILLS AND PRACTICES

(For the Candidates Admitted during the Academic Year : 2021–2022)

Name of the Candidate :	
Register Number :	
Signature of the Candidate :	

INSTRUCTIONS TO THE CANDIDATE

- The Question Booklet contains 80 Questions.
- 2. ANSWER ALL the questions. This paper contains TWO parts.
- 3. CALCULATORS OR ANY OTHER MATHEMATICAL DEVICES ARE NOT ALLOWED.
- Write your NAME, REGISTER NUMBER and put your SIGNATURE in the places specified on the first page of this Question Booklet.
- 5. Do not open this Question Booklet until the Hall Superintendent signals the commencement of the examination.
- 6. Check whether the Answer Sheet and the Question Booklet are in good condition. If not, before writing anything on the Answer Sheet, ask for the replacement of the Question Booklet/Answer Sheet.
- 7. Write and shade your REGISTER NUMBER, in the specified place in the OMR coding sheet.
- 8. Write and shade the question paper version code in the specified place in the OMR coding sheet.
- 9. Answer should be shaded with BLUE or BLACK BALL PEN in the coding sheet.
- 10. All instructions given in the OMR coding sheet should be strictly followed.
- 11. Use Answer Sheet carefully. No spare Answer Sheet will be given.
- 12. The answer should be given only in the Answer Sheet.
- 13. The last few pages of the Question Booklet are blank, except for the words 'Rough Work'. You can use them for any rough calculations.



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PART - A

(50 Marks)

	No	te : (i)	Questions 1 to 10	carries 2 ma	rks each.	
		(ii)	Questions 11 to 4	0 carries 1 m	ark each.	
1.	Fine	d the higl	hest power of 7 in 15	50!		
	(A)	26		(B)	21	
	(C)	24		(D)	25	
2.	Find	d the rem	nainder when 123456	678910119	99100 is divided by	4?
	(A)	3		(B)	0	
	(C)	2		(D)	1	
3.	Find	x if log ₅	(x-7)=1			
	(A)	10		(B)	15	
	(C)	12		(D)	18	
k.	The	compou	nd interest on ₹ 30,0	00 at 12% per	annum is ₹ 7,632.	The period (in years) is :
	(A)	2.5 yea	rs	(B)	2 years	
	(C)	3 years		(D)	3.5 years	
j	The	calendar	r for the year 2015 w	vill be the same	e for the year	
	(A)	2019		(B)	2022	
	(C)	2026		. (D)	2027	
i.	A ge	ets 92% r	marks in an examina	tion. If he scor	res 460 marks, find	the maximum marks
	(A)	400		(B)	500	
	(C)	600		(D)	300	
	The	angle be	tween the minute ha	and and the ho	our hand of a clock	when the time is 10 : 00
	(A)	90°		(B)	45°	
	(0)	ėno	A PAGE TO STATE OF THE PAGE TO	(D)	1200	



8.	An alloy contains 25% of copper. What quantity of alloy is required to get 500 gms of copper?				
	(A)	1000 gms	(B)	1500 gms	
	(C)	2500 gms	(D)	2000 gms	
9.	If log	g2=0.3010, then find the number of d	igits i	n 2 ⁶⁰	
	(A)	18	(B)	12	
-4.5	(C)	19	(D)	20	
			00		
10.	The	unit digit in the sum of (124) ⁶² + (124)	²³ is		
	(A)	8	(B)	4	
	(C)	2	(D)	0	
11	The	least perfect square number which is	divici	ble by 3.71.6 and 8 is	
11.			(B)	3600	
	(A) (C)	900 2500	(D)	4900	
	(0)	2300	(D)	1000	
12.	Wha	at is the number of trailing zeros in 20	0!?		
	(A)	49	(B ₁)	50	
	(C)	51	(D)	55	
13.		erson spends 20% of his salary on ho ₹ 7,000. Find his salary.	use re	ent, 10% for household expenses. He is left	
	(A)	₹ 12,000	(B)	₹ 10,000	
			(D)	₹ 9,000	
	(C)	₹ 15,000	(D)	X 9,000	
14.		an's wages were decreased by 50%. He had a loss of?	. Aga	ain, the reduced wages were increased by	
	(A)	35%	(B)	50%	
	(C)	No loss	(D)	25%	
15.		e cost price of 15 articles is equal to to to loss percent?	the	selling price of 10 articles, what is the net	
	(A)	25%	(B)	20%	
. 7	(C)	50%	(D)	33%	



16.	Find 20%		uivale	nt to two successive discounts of 10% and
	(A)	27%	(B)	25%
	(C)	30%	(D)	28%
17.		an complete a work in 10 days and B to complete the work?	does	the same in 15 days. How long both would
	(A)	8	(B)	10
	(C)	6	(D)	4
18.		ompleted the project in 10 days. If B ke to complete the same project?	is 25%	% more efficient than A , how many days will
	(A)	16	(B)	8
	(C)	10	(D)	12
19.		ni is driving at 50 kmph while Siva is o el the same distance which Rishi take		at 75 kmph. Find the time taken by Siva to
	(A)	6 hrs.	(B)	10 hrs.
	(C)	15 hrs.	(D)	8 hrs.
20.		kash goes from <i>P</i> to <i>Q</i> at a speed comph. Find his average speed for the		kmph and comes back to <i>P</i> at a speed of journey.
	(A)	56.5	(B)	50
	(C)	48	(D)	47.5
21.	A ca		wnstre	eam at 26 kmph. What is the speed of the
	(A)	10 kmph	(B)	5 kmph
	(C)	7 kmph	(D)	6 kmph
22.		hat ratio should a grocer mix two varions to the two varions of the two states are two states a		of rice, one costing ₹ 57 per kg and another ₹ 60 per kg.
	(A)	5:3	(B)	5:2
		5:1	(D)	5:4
23.	The	shares of A, B and C are in the ratio 3 :	2:5.	How much money will C get out of ₹ 1,200?
	(A)	252	(B)	350
	(C)	630	(D)	600
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24.	If A	B = 1:2, $B:C = 2:3$. Find $A:B:C$).	
	(A)	2:3:1	(B)	2:1:3
		1:2:3	(D)	3:1:2
25.		n a point 215 metres away from the erved at an angle of elevation of 45°,		ot of a building, the top of the building is he height (in mts.) of the building is
	(A)	√215 m	(B)	215 m
	(C)	215√2 m	(D)	200 m
26.	A wl		ing a	distance of 22 kms. Find the radius of the
	(A)	5 m	(B)	5.5 m
	(C)	7 m	(D)	6 m
27.	In a side		ypote	nuse is 6. What is the length of the shortes
	(A)	2	(B)	3
	(C)	3√3	(D)	$3\sqrt{2}$
28.		group of 100 people, 72 like reading ast one of the two. How many like both		ks, 52 like browsing and each person likes ding books and browsing?
	(A)	20	(B)	28
	(C)	24	(D)	22
29.	Ther	re are 10 points in a plane. How many	/ strai	ght lines can be formed?
	(A)	20	(B)	19
	(C)	10	(D)	45
30.	Find	the probability of choosing a Queen	card f	rom the pack of 52 cards.
	(A)	1 13	(B)	4 13
	(C)	2 13	(D)	3 13



Direction for Q.No. 31 to 35: Each question is followed by two Statements I and II. Indicate your responses based on the following directives:

- (A) If the question can be answered using one of the statement alone, but cannot be answered using the other statement.
- (B) If the question can be answered using either statement alone.
- (C) If the questions can be answered using I and II together but not using I (or) II alone
- (D) If the question cannot be answered even using I and II together.
- 31. What is the value of y?
 - 1. y 3 = 2
 - II. $y^2 = 25$
- 32. What is Ram's rank in the class?
 - 1. There are 26 students in the class.
 - II. There are 9 students who have scored less than Ram.
- 33. What is the area of a rectangle?
 - I. Length of the rectangle is 10 cm.
 - II. Breadth of the rectangle is 5 cm.
- 34. What percentage of matches are won by P?
 - I. P played 11 and drawn in 2
 - II. P played 11 and lost 4
- 35. What is the monthly income of Rahul?
 - I. Rahul spends 80% of his income.
 - II. Monthly savings of Rahul is ₹ 5,000.



Directions for Q.No. 36 to 40 : Study the following information and answer the related questions :

P, Q, R, S, T, A, B, C, D, E are employees of a Company. A table shows the average age of any two employees of the company. The average age of A and B is 27.5.

Employees	P	Q	R	S	T
Α	39.5		× = = =		27
В	42		25.5	E	
C		42		4	
D			36.5	42.5	31
E	Hit	44.5			36

i.e., average age of A & P is given as $\frac{(A+P)}{2}$ = 39.5

- 36. What is the age of T?
 - (A) 27 ·

(B) 29

(C) 33

- (D) 39
- 37. What is the average of D, R and S?
 - (A) 35.33

(B) 31

(C) 32

- (D) 35.6
- 38. What is the ratio of the ages of Q and E?
 - (A) 46:43

(B) 43:46

(C) 23:25

- (D) 25:23
- 39. What will be the average of sum of ages of A, B, C, D and E together after five years?
 - (A) 39.8

(B) 40

(C) 42.6

- (D) 45.5
- 40. If the age of *P* and *Q* is decreased by 50% and the age of *A* and *B* is increased by 20%, what will be the ratio of ages of *P*, *Q*, *R*, *S* and *T* together to the ages of *A*, *B*, *C*, *D* and *E* together?
 - (A) 51:50

(B) 50:51

(C) 199:133

(D) 133:199



PART - B

(50 Marks)

Note: (i) Questions 41 to 50 carries 2 marks each.

(ii) Questions 51 to 80 carries 1 mark each.

Read the argument and answer the question that follows:

41. In many hospitals, more and more monitoring is being carried out by automated equipments instead of human employees who previously carried out the work. This is done in an attempt to save hospital expenses. However, many employees who lose their jobs to automation will need Government assistance to get by and the same corporations that are laying people off will eventually pay for that assistance through increased taxes and unemployment insurance payments.

Which of the following, if true, most strengthens the author's argument?

- (A) Most of the new jobs created by automated equipments pay less than the jobs that were eliminated by automated equipments did.
- (B) Many hospitals that have failed to automate have seen their profits decline.
- (C) Many workers who have already lost their jobs to automated equipments have been unable to find new employment
- (D) Unemployment insurance and taxes are paid also by corporations that are not automating
- 42. The local university recently hired a new soccer coach. Although she has several years worth of coaching experience and is a diligent student of the game, she was never a member of a collegiate soccer team. For this reason, the new coach will be unable to build a successful program.

The argument above is based on which of the following assumptions?

- (A) The local university should have hired a former collegiate soccer player as its new coach
- (B) Coaching experience is one of the most crucial factors for coaching success
- (C) The previous coach at the university was dismissed due to her lack of success
- (D) To build a successful soccer program as coach, one must be a former collegiate soccer player



43. The retail price of decaffeinated coffee is considerably higher than that of regular coffee. However, the process by which coffee beans are decaffeinated is fairly simple and not very costly. Therefore the price difference cannot be accounted for by the greater cost of providing decaffeinated coffee to the consumer.

The argument relies on assuming which one of the following?

- (A) Processing regular coffee costs more than does processing decaffeinated coffee
- (B) Price differences between products can generally be accounted for by such factors as supply and demand, not by differences in production costs
- (C) There is little competition among companies that process decaffeinated coffee
- (D) The beans used for producing decaffeinated coffee do not cost much more before processing than the beans used for producing regular coffee
- 44. A computer equipped with signature recognition software, which restricts access to a computer to those people whose signature are on file, identifies a person's signature by analysing not only the form of the signature but also such characteristics as pen pressure and signing speed. Even the most adept forgers cannot duplicate all of the characteristics the program analysis.
 - (A) The time it takes to record and analyse a signature makes the software impractical for everyday use
 - (B) Computers equipped with the software will soon be installed in most banks
 - (C) Nobody can gain access to a computer equipped with the software solely by virtue of skill at forging signatures
 - (D) Signature-recognition software has taken many years to develop and perfect

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45. Despite the fact that antilock brakes are designed to make driving safer, research suggests that people who drive cars equipped with antilock brakes have more accidents than those who drive cars not equipped with antilock brakes.

Each of the following if true, would help resolve the apparent discrepancy described above EXCEPT:

- (A) Most cars equipped with antilock brakes, are, on average, driven more carelessly than cars not equipped with antilock brakes
- (B) Antilock brakes malfunction more often than regular brakes
- (C) Antilock brakes require expensive specialized maintenance to be even as effective as regular brakes that have not been maintained
- (D) Antilock brakes were designed for safety in congested urban driving, but accidents of the most serious nature take place on highways

In each of the following questions, choose the best way of writing the sentence for the underlined part of sentence:

- 46. Completing the physical examination, the tonsils were found to be diseased.
 - (A) Completing the physical examination, the tonsils
 - (B) Having completed the physical examination, the tonsils
 - (C) When the physical examination was completed, the tonsils
 - (D) The physical examination completed, the tonsils
- 47. Current economic conditions demand that we not only cut jobs and prices but also reduce the rate of interest on PF deposits.
 - (A) That we not only cut jobs and prices but also
 - (B) not only cutting job and prices but also to
 - (C) not only to cut jobs and prices but also
 - (D) not only a cut in jobs and prices but also to



48.	Aamir was sitting with his friends when the Premier, in accompaniment with his social secretary, entered the garden.					
	(A)	in accompaniment with his only socia	al sec	retary		
	(B)	accompanying only by his social sec	retary			
	(C)	accompanied only by his social secre	etary			
	(D)	only accompanied by his social secre	etary			
49.	. In the attempt to destroy them with completeness, the Indian team has launched a coordinated attack on the opposing team.					
	(A)	In the attempt to destroy them with o	omple	eteness		
	(B)	In attempting to destroy them comple	etely			
	(C)	In an attempt to destroy them compl	etely			
	(D)	In the attempt of destroying them co	mplet	ely		
50.		y middle-class South Asians find thoite the fact they need it badly.	nat th	ey cannot obtain good medical attention,		
	(A)	than, we have seen				
	(B)	from what we have seen				
100	(C)	from what we seen				
	(D)	so as to excellently provide shade in	sumr	mer, and shelter in winter		
	Cho	ose the synonym of the underlined	word			
51.	The	youth managed to drive his car safely	/ hom	e inspite of his <u>inebriate</u> state.		
	(A)	Dreamy	(B)	Stupefied		
	(C)	Unsteady	(D)	Drunken		
52.	The	y accepted the offer with <u>alacrity</u> .				
	(A)	dullness	(B)	enthusiasm		
	(C)	audacity	(D)	apathy		
			7.0			



53.	Ever	n erudite people found this puzzle to b	e diff	icult.
	(A)	research	(B)	scholarly
	(C)	aforesaid	(D)	indigenous
54.	The	e's no hidden agenda to this robust a	nd no	t terribly subtle tale of <u>duplicity</u> .
	(A)	innocence	(B)	cleverness
	(C)	double dealing	(D)	repetition
55.	For i	t is a lazy public which produces a <u>slo</u>	othful	and irresponsible theatre.
	(A)	fat	(B)	stern
	(C)	ignorance	(D)	lazy
	Cho	ose the antonym of the underlined	word	
56.	The	young leader was <u>reluctant</u> to should	er the	responsibilities of ministerial office.
	(A)	wanting	(B)	willing
	(C)	anxious	(D)	reckless
57.	It is	one of the <u>pernicious</u> customs prevail	ing in	the society.
	(A)	permanent	(B)	beneficial
	(C)	parochial	(D)	dangerous
58.	The	story told by the teacher amused child	dren i	n the class.
	(A)	frightened	(B)	jolted
	(C)	astonished	(D)	saddened
59.	Poe	ts often prefer <u>ambiguity</u> to		
	(A)	clarity	(B)	uncertainty
	(C)	rationality	(D)	perversity
60.	In hi	s old age his health became increasir	ngly <u>fr</u>	<u>ail</u>
	(A)	Fragile	(B)	Frangile
	(C)	Sturdy	(D)	Hail



Choose the option that best completes the sentence semantically/grammatically:

31.		ay's small, puters, whic		computers	contra	st markedly	with	the	earliest	electronic
	(A)	effective			(B)	useful				
	(C)	destructive			(D)	enormous				
52.	Thor	mas Paine, v	vhose poli	tical writing v	vas ofte	n flamboyant	, was	in pri	vate life s	urprisingly
	1	ma	an : he live	d in rented r	ooms, a	ite little, and v	vore d	rab c	lothes	10135
	(A)	simple			(B)	controversia	1			
	(C)	sordid			(D)	discourteous	5	+>		
										1-
3.		r ————finally compa		lties is first to	o onese	lf, next to kin	then	to fel	low tribe	members,
	(A)	merging			(B)	hierarchy				
	(C)	definition			(D)	judgement				
		* * * * * * * * * * * * * * * * * * * *				+ *.		- 25		
4.	I sug	gested that i	Priya ——	wa	lk on an	d try to get he	elp.			
	(A)	would			(B)	can				
	(C)	should			(D)	could				
5.		we	think dese	erve the awa	rd will c	ertainly get it.				
	(A)	whomever			(B)	whoever				
	(C)	whichever		Alijani,	(D)	whatever				



Identify the part of the sentence that contains an error.

66.	He suggested	that I should	see him	in his letter	
	(A)	(B)	(C)	(D)	

67.
$$\frac{\text{I am hardly pressed}}{\text{(A)}} \frac{\text{for time}}{\text{(B)}} \frac{\text{I cannot}}{\text{(C)}} \frac{\text{accompany you}}{\text{(D)}}$$

68.
$$\frac{\text{No sooner the bell rang}}{\text{(A)}} \frac{\text{than the teacher}}{\text{(B)}} \frac{\text{entered}}{\text{(C)}} \frac{\text{the class}}{\text{(D)}}$$

$$69. \quad \frac{\text{It was difficult}}{\text{(A)}} \, \frac{\text{to persuade Subas to agree}}{\text{(B)}} \, \frac{\text{to read the book}}{\text{(C)}} \, \frac{\text{to the blindman}}{\text{(D)}}$$

Choose the pair that is similar in relationship with the question pair :

71. Germ : Disease

(A) Man: Woman

(B) War: Destruction

(C) Doctor: Medicine

(D) Ownership: Shop

72. Gazelle: Swift

(A) Horse: slow

(B) Swan: graceful

(C) Lion: roar

(D) Lamb: bleat

73. Spear: Dart

(A) Knife: Tool

(B) Door: Window

(C) Molehill: mountain

(D) Cannon: Gun



Arrange the sentences to make a meaningful paragraph :

			7						
74.	(P)	However, critics say the scheme is too expensive and question whether the government will be able to support it							
	(Q)	Under the National Rural Guarantee Scheme, one member from each of India's 60 million rural households is guaranteed 100 days of work each year							
	(R)	They will receive a minimum allowance if there is no work	They will receive a minimum wage of 60 rupees (\$1.35) or an unemployment allowance if there is no work						
	(S)	The first phase of the programmed developed districts.	me will co	over 200 of the country's poorest and least					
	(A)	SRPQ	(B)	PRQS					
	(C)	RSQP	(D)	QRSP					
75.	(P)	Already the Company has 25 into	ernationa	partners to manufacture and market a host					
		of products ranging from bulk of therapy products.	lrugs and	pharmaceuticals to skin care and cardiac					
	(Q)	This hurry seems to take care came into effect.	of life af	ter 2005, when the product patent regime					
	(R)	And that seems to be the pharmaceuticals.	panacea	for growth for the ₹ 235 crore Elder					
	(S)	The Company is busy entering in	nto alliano	es as if there is no tomorrow.					
	(A)	PSQR	(B)	SRQP					
	(C)	PQSR	(D)	QSPR					



Read the following passage and answer the questions that follow:

Work expands so as to fill the time available for its completion. The general recognition of this fact is shown in the proverbial phrase 'It is the busiest man who has time to spare' Thus an elderly lady at leisure can spend the entire day writing a post card to her niece. An hour will be spent in finding the postcard, another hunting for spectacles, half an hour to search for the address, an hour and a quarter in composition and twenty minutes in deciding whether or not to take an umbrella when going to the pillar box in the street. The total effort that would occupy a busy man for three minutes, all told, may in this fashion leave another person completely exhausted after a day of doubt, anxiety and toil.

	Icavi	s another person completely extraces		
76.	Wha	t happens when the time to be spent	on so	ome work increases?
	(A)	The work is done smoothly	(B)	The work is done leisurely
	(C)	The work consumes all the time	(D)	The work needs additional time
77.	Expl	ain the sentence : 'Work expands so	as to	fill the time available for its completion'.
	(A)	The more work there is to be done, t	he m	ore the time needed
	(B)	Whatever time is available for a give	n am	ount of work, all of it will be used
	(C)	If you have more time, you can do m	ore v	vork .
	(D)	If you have some important work to	do, yo	ou should always have some additional.
78.	Who	is the person likely to take more time	to d	o work?
	(A)	A busy man	(B)	A man of leisure
	(C)	An elderly person	(D)	An exhausted person
79.	Wha	at is the total time spent by the elderly	lady	in writing a post card?
	(A)	Three minutes	(B)	Four hours and five minutes
	(C)	Half an hour	(D)	A full day
80.	Wha	at does the expression 'Pillar box' star	nd for	?
	(A)	A box attached to the pillar	(B)	A box in the pillar
	(C)	Box office	(D)	A pillar-type post box
		THE REPORT OF THE PARTY OF THE	15	

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A



ROUGH WORK



ROUGH WORK



ROUGH WORK

