B.Tech. DEGREE EXAMINATION, NOVEMBER 2022

Sixth Semester

18PDH201T – EMPLOYABILITY SKILLS AND PRACTICES

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Time: Two Hours						Max. Marks: 100						
Name of the Candidate	:											
Register Number	: [
Signature of the Candidate	:											

INSTRUCTIONS TO THE CANDIDATE

- 1. 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.
- 4. 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.

		PART – A	(50	Marks)
		ns: Question No. 1 to 10 carries 2 ma Question No. 11 to 40 carries 1 m		
1.		its digit of 287 ⁹⁵ ?		
	(A) 7 (C) 3		(B) (D)	
2.	Which one	of the following can't be square of	f nat	aral number?
	(A) 32761		(B)	81225
	(C) 52537		(D)	20164
3.	-	natural numbers between 23 and		<u> </u>
	(A) 8		(B)	
	(C) 13		(D)	12
4.		$+\log_{10} 8 = x$, then find x?		
	(A) 1/3		` /	0.064
	(C) -3		(D)	3
5,.	•	onday. After 61 days, it will be:	(T)	0 . 1
	(A) Friday		` '	Saturday
	(C) Sunday	y	(D)	Monday
6.		numbers greater than 23000 can be		rmed from the digits 1, 2, 3, 4, 5?
	(A) 120 (C) 90		(B)	100
	` '		` ,	
7.	the rest and	r a distance in 1 hour 24 minutes 5 kmph. Find the total distance?	by c	overing 2/3 rd of the distance at 4 kmph and
	(A) 5 km		` ′	6 km
	(C) 7 km		(D)	8 km
8.	price. Find	an article for ₹ 144 a merchant g the cost price of the article.		such that the gain percent equals the cost
	(A) ₹60			₹ 70
	(C) ₹80		(D)	₹90
9.		of 250 people, 210 took milk 50 ilk or coffee. Find the number pe		coffee. Some persons took both. If 20 did s who took both.
	(A) 20		(B)	30

(D) 47

(B) 16, 28, 36

(D) 12, 14, 18

10. The present ages of three persons in the ratio 4:7:9. Eight year ago, the sum of their ages

(C) 35

(A) 8, 20, 28

(C) 20, 35, 45,

was 56. Find their present ages.

11.	The characteristics of the logarithm of 1723	5 1S	
	(A) 4	(B)	5
	(C) 3	(D)	1
12.	Which of the following is not a leap year?		
	(A) 800	(B)	900
	(C) 1600	(D)	2400
13.	The calendar for the year 2007 will be same	for t	he year?
	(A) 2014	(B)	2016
	(C) 2017	(D)	2018
14.	If first day of the year 1999 was Tuesday, the January 2006?	hen v	what day of the week must have been on 1s
	(A) Monday	(B)	Tuesday
	(C) Wednesday	` ′	Thursday
15.	Father's age is 4 times that of his son. 5 year father.	rs ago	o it was 7 times. Find the present age of the
	(A) 30	(B)	35
	(C) 40	(D)	
16.	In how many ways can 5 girls and 5 boys alternate?	fron	a circle such that the boys and the girls
	(A) $4! \times 5!$	(B)	4! × 3!
	(C) 4! × 4!		3! × 3!
17	If A's salary is 50% higher than B's salary, than A's?	, then	by how much percent is B's salary lower
	(A) 20%	(B)	50%
	(C) $33\frac{1}{3}\%$	(D)	$16\frac{2}{3}\%$
18.	A's age after 15 years will be 5 times his age	_	
	(A) 11 years		10 years
	(C) 12 years	(D)	15 years
19.	A sum of money doubles is 6 years in S.I. itself?	in ho	ow many years will it become three times
	(A) 12 years	(B)	24 years
	(C) 8 years	(D)	6 years
20.	In how many ways can 7 beads be arranged to	to for	m a necklace?
	(A) 6!/2	(B)	5!
	(C) 4!	(D)	8!
21.	240 men can consume 1200 kg of rise in 30 270 kg?	days	. In how many days can 270 men consume
	(A) 18	(B)	12
	(C) 6	(D)	15

22.	A jogger is running at a speed of 15 metres?	kmph. In what time he will cross a track of length 400
	(A) 96 sec	(B) 100 sec
	(C) 104 sec	(D) 110 sec
23.	The ratio between the speeds of two b find the speed of the second boat?	poats is 5:8. If the first boat covers 200 km in s 2 hours
	(A) 140 kmph	(B) 150 kmph
	(C) 160 kmph	(D) 170 kmph
24	Two dice are tossed. Find the probabi	lity of getting the total score a prime number?
	(A) 1/6	(B) 5/12
	(C) 2/91	(D) 7/9
25.	A in how many years the C.I on ₹ 100	000 at the rate of 10% will be ₹ 2100?
	(A) 1.5 years	(B) 2 years
	(C) 2.5 years	(D) 3 years
26.	A mixture of 20 liters of milk and wat be added so that water becomes 40%?	ter contains 90% milk. Hoe many liters of water should
	(A) 10 liters	(B) 20 liters
	(C) 12 liters	(D) 8 liters
27.	100 kg of such a piece?	raes pieces is 13:7. How much zinc will be there in
	(A) 20 kg	(B) 35 kg
	(C) 55 kg	(D) 65 kg
28.	Pointing to a woman, a man said, "He related to the woman?	er father is the only son of my father", how is the man
	(A) Brother	(B) Grandfather
	(C) Father	(D) Son
29.	Find the missing term in the series RQ	OP, ONM,,IHG, FED.
	(A) CDE	(B) LKI
	(C) LKJ	(D) BAC
30.	In a certain code, ARMY is written as	ASOB. How is JUDGE written in that code?
	(A) KVEHF	(B) JVFJI
	(C) ITCFD	(D) JWGKJ
31.	Find the odd one out?	
	(A) Inch	(B) Kilogram
	(C) Centimeter	(D) Yard
32.	Find the wrong number in the series 2	, 6, 15, 31, 56, 93.
	(A) 93	(B) 15
	(C) 31	(D) 56

Directions for Q.No 33 to Q35:

A team of three is to be selected from six persons -A, B, C, D, E and F under the following constraints:

- (i) If A or B is selected, then C must not be selected
- (ii) If C or D is selected, then at least one of E and F must be selected
- 33. If D is selected, the who must not be selected?
 - (A) A

(B) B

(C) C

- (D) None of these
- 34. If A is selected, then in how many ways the team can be selected?
 - (A) 5

(B) 6

(C) 4

- (D) 7
- 35. If B is selected, then who must be selected?
 - (A) D

(B) E

(C) F

(D) Either B or C

Directions for Q.No 36 to 38:

Mark (A) if the question can be answered by using one of the statements alone, but cannot the answered by using the other stamen alone

Mark (B) if the question can be answered by using either statement alone.

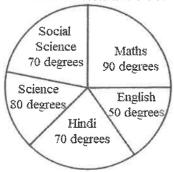
Mark (C) if the question can be answered by using both statements together, but cannot be answered by using either statement alone

Mark (D) if the question cannot be answered even by using both the statements together

- 36. What is the volume of the cylinder?
 - I. Height is equal to the diameter
 - II. Perimeter of the base is 352 cm
- 37. How many children does A have?
 - I. B is the only daughter of P, who is the wife of A
 - II.K and L are brothers of A
- 38. How much was the total sale of the company?
 - I. The company sold 8000 units of product A each costing ₹25
 - II. This company has no other product line

Directions for Q.No 39 and 40:

The given pie-chart shows the marks scored by a student in different subjects-English, Hindi, Maths, Science and Social Science in an examination. The values given are in degrees. Total marks obtained in the examination are 900.



39.	If the total marks were 3000, then marks in M	Math	s would be
	(A) 800	(B)	750
	(C) 850	(D)	900
40.	If the marks scored by the student are 125 the	en th	e subject is
	(A) English	(B)	Hindi
	(C) Maths	(D)	Science
	PART – I	3 (50	Marks)
	Instructions:	`	,
	(i) Question No. 41 to 50 carries 2 m	ark	s each
	(ii) Question No. 51 to 80 carries 1 m	ıark	each
	In the question below, four different ways Choose the best ways of writing the under		_
41.	A common disability in test pilots is hearing	; imp	airment, a consequence of sitting too close
	to large jet engines for long periods of time.		
	(A) A consequence of stating too close to	(B)	
	large jet engines for long periods of time		periods of times too near to large jet engines
	(C) A consequence which resulted from	(D)	
	sitting to close to large jet engines for	` /	engines forlong periods of time
	long periods of time		
42.	A huge flying reptile that dies out with to quetzalcoatius has a wingspan of 36 feet, bel has ever seen.		
	(A) Believed to be	(B)	And that is believed to be
	(C) And it is believed to have been	` /	Which was, it is belived
43.	A fire in an enclosed space burns with the a making ignition much easier and <u>flames spre</u>		
	(A) Flame spreading		Flame spreads
	(C) Flames are caused to spread	` '	Causing flames to spread
	(c) I make the tune of the special	(2)	causing names to optour
44.	Although asprin irritates the stomach, it can l	be av	voided if the asprin tablet is given a coating
	that will not dissolve until the tablet reaches	the in	ntestine.
	(A) Although asprin irritates the stomach,	(B)	The irritation of the stomach caused by
	it		asprin
	(C) The fact that asprin causes irritation of	(D)	Asprin causes stomach irritation, although
	the stomach		it
45.	Archaeologists in Ireland believe that a rece	ently	discovered chalice which dates from the
- (8)	eighth century, was probably buried to keep to		
	(A) To keep from		To keep it from
	(C) In order that is would avoid	` '	In order to keep from
	(c) In order that is would avoid	(1)	in order to keep from

Read the argument and answer the questions:

46. A new machine for harvesting corn will allow rows to be planted only fifteen inches apart, instead of the usual thirty inches. Corn planted this closely will produce lower yields per plant. Nevertheless, the new machine will allow corn growers to double their profits per acre because

Which of the following most logically completes the argument?

- the growing corn plants will quickly form a dense canopy of leaves, which will, by shading the ground, minimize the need for costly weed control and irrigation
- (A) With the closer spacing of the rows, (B) With the closer spacing of the rows, corn plants will be forced to grow taller because of increased competition for sunlight from neighboring corn plants
- growing per acre, more fertilizer will be required
- (C) With the larger number of plants (D) With the closer spacing of the rows, the acreage on which corn in planted will be utilized much more intensively
- 47. The Americans with Disabilities Act (ADH) was designed to ensure that there is no discrimination against and unfair termination of differently-abled workers in the workplace. However, after the act was introduced, there has been a marked increase in unemployment among the differently-abled.

Which of the following best explains this seeming discrepancy?

- (A) A number of differently-abled people (B) Not willing to deal with the issues of chose not to work
 - workplace discrimination of differently-abled, several companies recruited fewer of them in the first place
- (C) There was no act introduced that (D) The unemployment among the ablewould guarantee a job for the differently-abled
 - bodied has remained consistency high
- 48. Industrial and automobile pollution have long been through to contribute to global warming. However, researchers have identified that the carbon dioxide and carbon monoxide released into the atmosphere are not as potent as the methane emitted by cud-chewing animals such as cows when they fart or belch. Therefore, if you drive a hybrid electric car to the grocery, and favour that you would do to the environment would be offset if you end up buying beef. Which of the following best describes the author's reasoning?

(A) The author establishes a point by (B) The author disproves a popular notion by drawing an analogy

providing evidence that is contrary to it

response to existing wellan established theory

(C) The author presents a new theory in (D) The author uses an illustration to support a new school of thought that is contrary to popular school of thought

49. Because mining and refining nickels is costly, researchers have developed an alternative method for extracting nickels using streptanthus polygaloides, a plant that absorbs and stores nickel from the soil as if grows. The researchers incinerated a crop of streptanthus they grew in nickel-rich soil. By chemically extracting nickel from the ash, they produced 100 pounds of nickel per acre of land at a total cost per pound slightly above that of current mining.

Which of the following, if true, most strongly supports the conclusion that the use of streptanthus to extract nickel will be commercially adopted.

- (A) The season in which the researchers (B) Because lowering the concentration of grew streptanthus was an unusually favorable one, with the right amount of precipitation to maximize the growth rate of streptanthus
- (C) More air pollution is generated for (D) each pound of nickel produced by extracting it from streptanthus than is generated using conventional mining and refining
- more than its cost The land on which the researchers planted streptanthus was unusually free of the various weeds that can compete with streptanthus for water, nutrients and sunlight

nickel in the soil can make land much

better for agriculture in general, a plot in

which streptanthus has been grown and

harvested can be sold for substantially

50. Early in the twentieth century, lake Konfa became very polluted. Recently fish populations have recovered as release of industrial pollutants has declined and the lake's waters have become cleaner. Fears are now being voiced that the planned construction of an oil pipeline across the lake's bottom might revive pollution and cause the fish population to decline again. However, a technology for preventing leaks is being installed. Therefore, provided this technology is effective, those fears are groundless.

Which of the following, if true, seriously weakness the argument?

- pipeline's construction (A) The disturb sediments at the bottom of the lake, dispersing into the water toxic pollutants that have settled there
- (C) The leak preventing technology has (D) been in use for several years without any pipeline in which it is installed developing serious leaks
- will (B) Changes in the land use and drainage patterns around the lake mean that the lake's waters are increasingly likely to be affected by agricultural runoff
 - A major leak of oil from the pipeline would harm not only the lake's fish but also populations of other aquatic animals and plants

51.	Choose the synonym of the underlined wo It would be wise to <u>curtail</u> answers when one (A) Reduce	runs	s out of time. Shut
	(C) Lengthen	(D)	Write
52.	The president's arrest precipitated the country	y into	o war.
	(A) Falsified	(B)	Triggered
	(C) Abridged	(D)	Checked
53.	Your goal is to pique the reader's interest to	get th	nem read the rest of your resume.
	(A) Irritate	(B)	Resent
	(C) Stimulate	(D)	Convey
54.	They have <u>audacious</u> plans for the new school	ol.	
	(A) Plain	(B)	Smart
	(C) Old	(D)	Bold
55.	Fickle minded people cannot be trusted.		

(B) Tasteless

(D) Helpless

(A) Capricious

(C) Boring

Choose the antonym of the underlined word:

56	. The target is mostly still transparent to the the interaction region.	probe light, although it is becoming opaque near
	(A) Furious	(B) Turbid
	(C) Clear	(D) Ambiguous
57.	The wrestler's plan was to deliver a crushin	g blow which would enervate his opponent.
	(A) Contemplate	(B) Evaluate
	(C) Necessitate	(D) Empower
58.	He felt his grip on reality was becoming inc	reasingly tenuous
	(A) Substantial	(B) Unclaimed
	(C) Welcome	(D) Light
50	She began to summarize the salient features	of the proposal
33.	(A) Arresting	(B) Insignificant
	(C) Proper	(D) Courageous
		, ,
60.	The justification seemed <u>spurious</u> when the	
	(A) Authentic(C) False	(B) Fake(D) Misleading
	(C) Taise	(D) ividisteading
	Choose the option that best completes the	sentence grammatically / semantically:
61.	The two brothers look so that it is diff	ficult to differentiate them.
	(A) Same	(B) Like
	(C) Identical	(D) Alike
62.	Every week, in the office, one hour is	to games and sports.
	(A) Conferred	(B) Give
	(C) Conceded	(D) Devoted
63	My friend has good command Engli	sh and Hindi
05.	(A) Of	(B) In
	(C) Over	(D) Upon
<i>C</i> 1		
64.	General Monsanto declared the dicta (A) Him	
	(C) They	(B) Himself (D) Them
	(C) They	(b) Them
65.	The city council to form a committee.	
	(A) Has decided	(B) Have decided
	(C) Is decided	(D) Are decided
	Choose the pair that has the same relation	ship with that of the question pair:
66.	Bouquet: Flower::	
	(A) Skin: Body	(B) Chain: Link
	(C) Page: Book	(D) Product : Factory

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67. Germ: Disease:

(A) Man: Woman

(C) Doctor: Medicine

(B) War: Destruction (D) Owner: Shop

68. Gazzle: Swift::

(A) Horse: Slow (C) Line: Roar

(B) Swan: Graceful (D) Lamb: Bleat

69. Wood: Carve::

(A) Clay: Mould

(C) Paper: Burn

(B) Pipe: Blow (D) Trees: Sway

70. Helmet: Head::

(A) Pedal:Foot

(C) Breastplate: Chest

(B) Gun: Hand (D) Pendant: Neck

Identify the part of the sentence that contains an error. If there is no error, choose the "No error" option:

71. We discussed the problem (A)/ so thoroughly (B)/ that I found it easy to work it out (C)/ No error (D)/.

72. I could not put up in a hotel (A)/ because the boarding and lodging charges (B) / were exorbitant (C)/ No error (D).

73. If I had known (A) this yesterday (B)/ I will have helped him (C) / No error (D).

74. Do the roses in your garden (A) / smell more sweetly (B) / than those in ours? (C) / No error (D).

75. Block of residential flats (A) / are coming up (B)/ near our house (C)/ No error.

Read the passage and answer the questions that follow:

There is small fire station in town. At this station, the fire-fighters are volunteers. That means they are volunteers. That means they work for free. The fire station gets some money from the government to take case of the building and the fire truck. But the fire station has a problem. Last winter, a pipe in the fire station froze. Then it burst. Water went everywhere. There is a lot of damage. Now the building cannot be used. What is worse, the fire station does not have enough money for the repairs needed to fix the damage. The people in town are worried about what will happen if there is a fire and no working fire station. But they will figure out a way to solve the problem. They always do!

76. The main problem in the town is that

(A) The fire fighters do not make any (B) A pipe in the fire station froze last winter money

(C) People cannot fix the fire station (D) People in town are worried

77. As used in the passage, which accurately describes something that has a damage? (A) A library is closed on Sundays, people (B) A hose is used to water the garden the cannot check out books that day water goes all over the plants (C) An old washing machine still works it (D) A stack of books feel on a computer now is almost 20 years old it will not turn on 78. In the passage, the author writes "But they will figure out a way to solve the problem". In this sentence, the phrase "solve the problem" most likely means (A) Get more money (B) Fix the fire station (C) Make sure no fires happen (D) Make sure no pipes freeze 79. The feeling at the end of the passage can best be described as (B) Worried (A) Hopeful

(C) Upset

(D) Excited

80. Based on information in the passage, it can be understood that the people in town will be most likely to

(A) Give money to the fire fighters

(B) Build a new fire station

(C) Help fix the fire station themselves

(D) Ask the fire fighters to work for free

* * * * *

WORK SHEET

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