B.Tech. DEGREE EXAMINATION, JANUARY 2023

Sixth Semester

15PD302 - EMPLOYABILITY SKILLS

(For the candidates admitted during the academic year 2015-2016 to 2017-2018)

Time: Two Hours			Max. Marks: 100				
Name of the Candidate	•	pr — — — — —					
Register Number	3 . 6						
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)

	Instructions: (i) Question No. 1 to 10 carries 2 ma (ii) Question No. 11 to 40 carries 1 m	
1.		(B) 1 · · ·
2.	. If the side of a rhombus is increased by 25%,	(D) 8 then by what % the area increases? (B) 50%
3.	(C) 31.25% Ram is 40 years old and Rahim is 64 years of	(D) 56.25% Id. How many years ago was the ratio of their
		(B) 4 years (D) 6 years
4.	• /	(B) 9 (D) 13
5.		83, 131? (B) 171 (D) 201
6.		on whose 8 th term is 39 and 12 th term is 59. (B) 4 (D) 6
7.	Divide ₹ 680 among P, Q, R such that P get	s $\frac{2}{3}$ of what Q gets and Q gets $\frac{1}{4}$ of what R
		(B) ₹300 (D) ₹480
8.		
9.		
10.	In $\triangle ABC$, $\underline{A} + \underline{B} = 80^{\circ}$, $\underline{B} + \underline{C} = 120^{\circ}$, then fi	` '

(D) 60°

(C) 50°

11.	Find the value of $\sqrt{676} \times \sqrt[3]{1331}$ (A) 11 (C) 286	(B) (D)	26 300
12.	Find the number of zero's at the end of 264! (A) 52 (C) 64	(B) (D)	
13.	Find the number of divisors of 1980. (A) 3 (C) 18	(B) (D)	
14.	Find 40 log ₄ 64 (A) 40 (C) 160	(B) (D)	120 200
15.	If today is Wednesday, what is the day after (A) Wednesday (C) Friday	(B)	lays? Thursday Sunday
16.	Find the day of the week on 2 nd October 1869 (A) Friday (C) Monday	9. (B) (D)	Saturday Tuesday
17.	The price of sugar increases by 20%, then reduced so that the total expenditure remains (A) 16.67% (C) 25%	sam (B)	
18.	By selling an article for ₹ 800, a men lose 2 gain 40%? (A) ₹ 1000 (C) ₹ 1400	(B)	At what price should be sell the article to ₹ 1200 ₹ 1600
19.	Find the difference between simple interest at the rate of 20% p.a. at the end of 2 years. (A) ₹ 1200 (C) ₹ 3600	(B)	ompound interest for a sum of ₹ 60,000 at ₹ 2400 ₹ 4800
20.	How many different garlands can be made us (A) 10! (C) 10! 2	sing (B) (D)	9!
21.	Find the number of triangles formed by joini (A) 56 (C) 45	ng th (B) (D)	64

22.	(A) 15 (C) 5 64	(B) $\frac{15}{32}$ (D) $\frac{15}{128}$
23.	Pointing to a lady, a man said, "She is my m to the man? (A) Sister in law (C) Grand aunt	mother's father's sister"? How is the lady related (B) Mother in law (D) Aunt
24.	If HOME is coded as 41, RACE is coded as (A) 30 (C) 51	S 27, then DHOOM is coded as (B) 43 (D) 55
25.	Find the odd one out in the series 256, 484, (A) 256 (C) 676	676, 841 (B) 484 (D) 841
26.	₹ 8 on the 4 th day, ₹ 16 on the 5 th day and 8 for 30 days? (A) 2^{30}	the 1 st day, $\stackrel{?}{\stackrel{?}{\stackrel{?}{\stackrel{?}{\stackrel{?}{\stackrel{?}{\stackrel{?}{\stackrel{?}$
27.	(C) 2 ²⁹ In a class, the number of girls is one less number of boys and the number of girls is 2.7 (A) 10 (C) 16	s than then number of boys. If the product of
28.	40 students played football, 50 students play	yed cricket, 20 students played both football and botball nor cricket. Find the total number of (B) 70
	(C) 80	(D) 100
29.	Virat's average score in 40 innings was 62 becomes 65 runs. How much he scored in hi (A) 185 (C) 150	runs, after playing his next innings his average is last innings? (B) 200 (D) 175
30.		workers P, Q and R such that 8 times P's share ld to 6 times R's share. How much did P make? (B) ₹150 (D) ₹160
31.	In a shop, there are some dogs and some partotal number of feet is 80. How many parrots (A) 10 (C) 16	parrots. The total number of heads is 28 and the ts are there? (B) 12 (D) 20
one A o	f 11	06166/15003

32. A tank is filled by a pipe A in 10 hour and emptied by a pipe B in 12 hour. If both pipes are opened simultaneously, in what time the tank gets filled?

(A) 20 hours

(B) 40 hours

(C) 60 hours

(D) 80 hours

33. A chord of length 16 cm is at a distance of 6 cm from the centre of a circle. The radius of circle is

(A) 10 cm

(B) 23 cm

(C) 21 cm

(D) 20 cm

34. The ratio of radius of cylinder to that of cone is 1:2 and their heights are equal. Find the ratio of volume

(A) 1:2

(B) 2:3

(C) 3:4

(D) 4:5

35. In which triangle the centroid, orthocentre, circumcentre and incentre coincides?

(A) Scalene

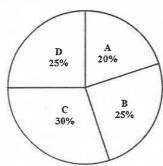
(B) Isosceles

(C) Equilateral

(D) None of these

Directions for questions 36 to 38:

Percentage (%) of boys opted for various courses



Total number of boys = 400

36. How many boys opted for course A?

(A) 40

(B) 80

(C) 120

(D) 200

37. How many boys opted for course B and D?

(A) 150

(B) 200

(C) 220

(D) 250

38. Find the difference between those who opted for course A and C.

(A) 40

(B) 50

(C) 60

(D) 70

Directions for question 39 and 40:

Each of the questions is followed by two statements. You have to decide whether the information provided in the statements is sufficient for answering the questions.

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

39. Find the radius of circle.

Statement I: area of circle is 80π

Statement II: $\pi = 3.14$

40. Is X divisible by 6?

Statement I: 2X is divisible by 4 Statement II: 3X is divisible by 18

PART - B (50 Marks)

Instructions:

- (i) Question No. 41 to 50 carries 2 marks each
- (ii) Question No. 51 to 80 carries 1 mark each

In each of the questions below, four different ways of writing a sentence of the underlined part are indicated. Choose the best way of writing the sentence:

- 41. Start the engine, and then you should press the accelerator.
 - (A) Start the engine, and then you should (B) Start the engine, and then press press
 - (C) Start the engine, then pressing
- (D) Starting the engine go on pressing
- 42. They continued to work in the field despite of the heavy rains.
 - (A) Despite of the heavy rains
- (B) Inspite the heavy rains
- (C) Even though it rained heavily
- (D) Although heavily rains
- 43. Making friends is more rewarding than to make enemies.
 - (A) To make enemies

(B) To making enemies

(C) For making enemies

(D) Making enemies

Choose the pair that has the similar relationship with that of the question pair:

- 44. Beautiful: Ugly
 - (A) Car: Driver

(C) Good: Bad

(B) Seeds: Farmer

(D) Morose: Dull

45. Lorry: Truck

(A) Petrol: Gasoline

(B) Coal: Coke

(C) Torch: Light

(D) Motor: Car

Rearrange the following sentences to form a coherent paragraph:

- 46. (P) Thus begins the search for relief: painkiller, ice, yoga, herbs, even surgery
 - (Q) Most computer users develop disorders because they ignore warnings like tingling fingers, a numb hand or a sore shoulder
 - (R) They keep pointing and dragging until tendons chafe and scar tissue forms
 - (S) But cures are elusive, because repetitive steer injuries present a bog of ills that often defy easy diagnosis
 - (A) QSPR

(B) QPSR

(C) QRPS

(D) PQRS

- 47. (P) Today, the study of the fruit fly has expanded to research for human diseases
 - (Q) This is because the fruit fly's robust genetic system makes it an invaluable tool for scientists studying current inheritance diseases
 - (R) These diseases include Alzhimer's, Parkinson's and Huntington's disease
 - (S) In past decades, scientists have used the fruit fly as a model organism for examining biological systems

(A) SPQR

(B) SPRQ

(C) QPRS

(D) PQRS

Read the argument and answer the questions that follow:

48. People in a South African tribe have observed that heavy rains are usually preceded by claps of thunder. They are convinced that the heavy rains are somehow caused by the claps of thunder.

Which of the following, if true, would weaken the tribals conviction?

- (A) The temperature must fall below 20°C for both heavy rains and claps of thunder to occur
- (B) The presence of rain bearing clouds is the reason for claps of thunder
- (C) The tribals of the particular tribe are unscientific people prone to superstitions
- (D) Claps of thunder actually cause heavy rains
- 49. The city council of Nowheresville has proposed establishing tollbooths on all of the major routes into the city. The council's reasoning is that this fee will force many commuters to switch from private automobiles to the public transportation system.

Which of the following statements, if true, provides the best evidence that the city councils plan will be successful?

- (A) Most of the citizens of Nowheresville support the new plan
- (B) Several other cities have attempted to implement the scheme in the past, with mixed results
- (C) A new study suggests that many commuters with cars would switch to public transportation if driving in the city becomes more expensive
- (D) The price of gasoline is projected to plummet in the next few months
- 50. In 1950, the average child visited the dentist once a year, by 1970, the number of visits had increased to two. Today the average child visits, the dentist thrice a year.

Each of the following, it true, could explain this trend except.

- (A) Dentist's fees have declined over the (B) Better home care of teeth has reduced the period number of cavities
- (C) Dental care has become less painful
- (D) Parents are more aware of the importance of dental care

Choose the synonym of the underlined word:

- 51. The rescue team searched among the ruins for signs of life
 - (A) Terminal

(B) Foundation

(C) Rubble

- (D) Establishment
- 52. Since all of the employees collaborated on the project, they met the deadline.
 - (A) Evolved

(B) Advanced

(C) Deconstructed

(D) Worked together

53.	The latest job promotion found him at the <u>acme</u> of his professional career.							
	(A) Nadir	(B)	Median					
	(C) Zenith	(D)	Epitome					
54.	As a generation, we were taught to look up	to our	leader with great reverence.					
	(A) Respect	(B)	Deride					
	(C) Derail	(D)	Admonish					
55.	Even <u>erudite</u> people found this puzzle difficult.							
	(A) Research		Scholarly					
	(C) Aforesaid	(D)	Indigenous					
56.	They waited for the crowd's fury to abate.							
	(A) Dwindle		Amplify					
	(C) Enhance	(D)	Astound					
57.	She disparaged her student's efforts							
	(A) Lauded	. ,	Derided					
	(C) Complimented	(D)	Appreciated					
	Choose the antonym of the underlined w	vord:						
58.	Mohan gave a very <u>furious</u> speech on bribe	ery.						
	(A) Wrathful	(B)	Cheerful					
	(C) Frenzied	(D)	Angry					
59.	The sanctity of every temple is enchanting.							
	(A) Unattractive	` '	Attractive					
	(C) Alluring	(D)	Entrapping					
60.	Many people are needed to vitalize the unit							
	(A) Strengthen	` '	Nourish					
	(C) Augment	(D)	Weaken					
61.	A man who shows <u>zeal</u> even at the time of (A) Enthusiasm	_	-					
	(C) Sorrow	(B)	•					
		, ,	Happiness					
62.	Mike Tyson is really a gentle man, but if p							
	(A) Friendly	. ,	Devastative					
	(C) Uncontrollable	(D)	Deadly					
63.	Charlie Chaplin is very famous for his hilarious actions.							
	(A) Tragic	. ,	Comical					
	(C) Laughable	(D)	Ludicrous					
64.	The chemical will <u>retard</u> the spread of fire.							
	(A) Slacken	(B)	Decelerate					
	(C) Speedup	(D)	Testify					

	Choose the option that best completes the	sent	ence semantically and grammatically:
65.	The formerly waters of the lake havisible from the surface.		
	(A) Muddy		Tranquil
	(C) Stagnant	(D)	Pellucid
66.	Confronted by his mother, the four bedroom walls with purple and blue markers	-year s.	-old could not lie about scribbling on his
	(A) Guileless		Inauspicious
	(C) Untarnished	(D)	Indiscriminate
67.	Gypies do not live at a particular pla	ce.	
	(A) Broadly		Voluntarily
	(C) Permanently	(D)	Willingly
68.	My pen is than yours.		
	(A) more costly	(B)	costliest
	(C) costlier	(D)	much costly
69.	A new theatre last Sunday.		
	(A) has been opened	(B)	was opened
	(C) opened	(D)	had been opened
70.	The messenger hardly read or write.		
	(A) can't		does
	(C) does not	(D)	can
	Identify the part of the sentence that conterror' option:	ains :	an error. If there is no error, choose 'No
71.	He asked (A)/ supposing if he fails (B)/ wha	t he v	would do (C)/ No error (D).
72.	To die with honour (A)/ is better than (B)/ li	ve w	ith dishonor (C)/ No error (D).
73.	The families (A)/ are living in Gulmohar p (D).	ark (B)/ for the last two decades (C)/ No error
74.	The secretariat (A)/ comprises of (B)/ many	air-c	onditioned rooms (C)/ No error (D).

Read the passage and answer the questions that follows:

75. Heavy rain (A)/ prevented us (B)/ to go to the cinema (C)/ No error (D).

The last half of my life was spent at one of those painful epochs of human history, during which the world seemed to be getting worse; where past victories which had seemed to be definitive have turned out to be only temporary. When 1 was young, Victorian optimism was taken for granted. It was thought that freedom and prosperity would spread gradually throughout the world through an orderly process, and it was hoped that cruelty, tyranny and injustice would continually diminish. Hardly anyone was haunted by the fear of great war. Hardly anyone thought of the 19th century as a brief interlude between the past and future barbarism.

76. The author felt sad about the latter part of his life because (A) He was nostalgic about his childhood (B) The world had not become prosperous (C) The author had not won any further (D) The world was painfully disturbed during victories that period of time 77. The victories of the past (A) Brought permanent peace and (B) Ended cruelty, tyranny and injustice prosperity (C) Proved to be temporary events (D) Filled men with a sense of pessimism 78. The term 'definitive' used in the passage means (A) Defined (B) Final (C) Temporary (D) Incomplete 79. During the Victorian age people believed that (A) Strife would increase (B) There would be unlimited freedom (C) Wars would be fought on a bigger (D) Peace would prevail and happiness scale would engulf the whole world 80. "A brief interlude between the past and future barbarism" can be interpreted as (A) A short period of time between past (B) A short interlude between two great and future acts of savagery events

* * * *

(D) A dramatic performance during wars

(C) An interval between crude wars

WORK SHEET