### **B.Tech. DEGREE EXAMINATION, JANUARY 2024**

Second Semester

#### 18PDH101T - GENERAL APTITUDE

(For the candidates admitted during the academic year 2020-2021 & 2021-2022)

Time: Two Hours							Max	. Ma	ırks:	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.

Page 1 of 11 07JF2-18PDH101T

## PART - A (50 Marks)

### **Instructions:**

- (i) Question No. 1 to 10 carries 2 marks each
- (ii) Question No. 11 to 40 carries 1 mark each

1.	If the strength of a school reduced by 20% should it be increased to bring it back to the 6 (A) 25%	origii	
	(C) 10%	` '	50%
2.	A and B have ₹ 75 and ₹ 60 with them respercentage more than that of B?	pecti	vely. The amount with A is how much
	(A) 30%	(A)	15%
	(C) 40%		25%
3.	If the selling price of 30 pens is equal to percentage?	the	cost price of 40 pens, find the profit
	(A) 20%	(A)	$33\frac{1}{3}\%$
	(C) 60%	(C)	40%
4.	Ram received ₹ 12,500 in denominations of notes, how many ₹ 500 notes did he receive?		0 and ₹ 500. If he received a total of 37
	(A) 15 (C) 17	(B) (D)	
5.	The sum of the digits of a 2 digit number is digits of the number is 36 more than the odigits of the number?		
	(A) 21	(B)	35
	(A) 21 (C) 40	(D)	
6.	In how many years the C.I on ₹ 10000 at the	rate	of 10% will be ₹ 2100?
	(A) 1.5 years	(B)	2 years
	(C) 2.5 years		3 years
7.	Simran is younger than Nisha by 7 years, a age of Simran?	nd th	ne ratio of their ages is 7:9. What is the
	(A) 23.5 years	(B)	24 years
	(C) 24.5 years	` '	25 years
		•	·
8.	If $log 2 = 0.3010$ then find the number of dig		
	(A) 20	` '	30
	(C) 35	(D)	31

9. When 60 - [30 - (35 - (15 - \*))] = 60, then \* is equal to

(A) -19 (C) 20 (B) 35 (D) 10

10.	Find out the wrong number in the series 3, 8, 15, 24, 34, 48, 63		
	(A) 15 (C) 34	(B) (D)	
11	If a number 836475Z is divisible by 11, then (A) 2 (C) 4	find (B) (D)	3
12.	Three bells toll at intervals of 5, 10 and 15 the same time, after how many seconds will to (A) 5	they (B)	toll together again for the first time? 10
13.	(C) 15 Find the LCM of $\frac{35}{2}$ and $\frac{70}{3}$	(D)	30
	(A) 1 (C) 100	(B) (D)	
14.	Find the unit digit of 4!+ 5!+ 6!+ 7! (A) 4 (C) 6	(B) (D)	
15.	What is the maximum power of 3 in 9!? (A) 4 (C) 15	(B) (D)	
16.	Mr 'A' wants to type first 1000 natural numbuttons of a computer keyboard?		s. How many times he has to press the 2987
	(A) 2893 (C) 3000	` '	1000
17.	<ul><li>150 is what percentage of 120?</li><li>(A) 150%</li><li>(C) 110%</li></ul>	, ,	125% 75%
18.	Which of the following is least? (A) 20% of (80) (C) 35% of (50)	` '	30% of (60) 40% of (45)
19.	A number when increased by 40% becomes (A) 200 (C) 400	(B)	What is the number? 300 240
20.	The length of a rectangle increased by 25% the percentage increase in its area?  (A) 10%	(B)	35%
	(C) 15%	(D)	12.5%

(a)

21,	The C.P of an article is equal to the profit % C.P of the article.  (A) 40  (C) 80	(B)	-
22.	The ratio of the ages of Asin and Meena is the ratio of their ages after 8 years.	4:2.	If the sum of their ages is 6 years, find
	(A) 8:6 (C) 6:4		6:5 7:5
23.	In how many years the S.I on ₹ 6000 at 10%		
	(A) 3 years (C) 5 years	` '	4 years 6 years
24.	A sum of money amounts to 3300 in 2 years	and	₹ 3600 in 5 years. What is the principal
	amount? (A) ₹2700	(B)	₹ 2850
	(A) ₹2700 (C) ₹2950	` '	₹ 3100
25	What is the C.I on ₹2500 for 2 years at rate	of in	terest 4% P.A
25.	(A) ₹180		₹210
	(C) ₹ 204	` '	₹ 220
26.	If selling price of 20 apples is same as cost p		
	(A) 25% (C) 75%	` ′	50% 100%
	(C) 7370	(D)	100/0
27.	Find the single equivalent discount of success		
	(A) 28%	` '	40%
	(C) 55%	(D)	78%
28.	A shopkeeper sells his goods at ₹.700. Find		
	(A) 30%	` '	40%
	(C) 50%	(D)	60%
29.	A sum becomes ₹ 3000 in 5 years at 10 % sum?	% per	r annum at simple interest. What is the
	(A) ₹1000	(B)	₹ 2000
	(C) ₹200	• •	₹ 2500
30.	Find the simple interest on ₹ 30,000 at 10%		
	(A) ₹3000	` '	₹ 6000
	(C) ₹9000	(D)	₹ 12000
31.	Find the difference between CI and SI on ₹ 5	500 a	t 10% p.a for 2 years?
	(A) ₹50	` '	₹10
	(C) ₹5	(D)	₹ 25
32.	A sum of money at SI amounts ₹ 560 in 3 years		-
	(A) ₹500	` '	₹400
	(C) ₹450	(D)	₹ 200

33.	If $\log 4x - \log 8 = \log 12$ than x is (A) 12 (C) 36	(B) (D)	
34.	Simplify: $\log_2 96 - \log_2 3$ (A) 5 (C) 3	(B) (D)	
35.	log 2 + log 4 + log 6 is (A) log 12 (C) log 24		log 48 log 36
36.	A man has some hens and cows. If the numerous 140, then the number of hens will be (A) 22 (C) 20	(B) (D)	24
37.	7, 10, 8, 11, 9, 12, (A) 7 (C) 12	(B) (D)	
38.	544, 509, 474, 439, (A) 404 (C) 420	` '	414 445
39.	CMM, EOO, GQQ,, KUU. (A) GRR (C) ITT	, ,	GSS ISS
40.	QAR, RAS, SAT, TAU, (A) UAV (C) TAS	` /	UAT TAT
	PART – B	<b>(50</b> ]	Marks)
	Instructions:  (i) Question No. 41 to 50 carries 2 m  (ii) Question No. 51 to 80 carries 1 m		
	In each of the question below, four di underlined part are indicated. Choose the		
41.	<ul> <li>Everybody at the party love the chocolate ca</li> <li>(A) Everybody at the party love the chocolate cake Shelley made</li> <li>(C) Everybody at the party loves the chocolate cake Shelley made</li> </ul>	(B)	Everybody at the party loving the chocolate cake Shelley made
42.	Health professionals widely concur that, be the benefits that an individual can expect to (A) By further execise is (C) In furthering exercise are	devid (B)	I a certain amount of exercise each day, ce by further exercise is negligible. From further exercise are By exercising further would be

43.		he time we have reached France, we will		
	(A)	By the time we have reached France,	(B)	
		we will have been backpacking for twelve weeks		we will have backpacked for twelve weeks
	(C)	By the time we reach France, we will	(D)	By the time we will have reached
		have been backpacking for twelve		France we will have backpacked for twelve weeks
		weeks		twelve weeks
44.		ause women buy approximately 80 perc		
		n displayed near displayed near perfume		
	` '	They are often displayed The displaying of ties is often	` '	Ties are often being displayed Ties are often displayed
45.		activism of state citizens <u>have lead to a</u> dents.	signi	ficant decrease in the number of traffic
		Have lead to a significant decrease in	(B)	Have lead to significant decreases in
	(=)	the number	(T)	the number
	(C)	Has lead to a significant decrease in the number	(D)	Has been significant in the decrease in the number
		the number		the number
	Cho	ose the pair that has similar relationsl	nip w	ith that of the question pair:
46.	Woo	od : Carve		
	, ,	Clay: Mould		Paper: Burn
	(C)	Trees: Play	(D)	Pipe: Music
47.	Doc	tor: Patient		
	` '	Driver: Nurse	` /	Lawyer: Client
	(C)	Teacher: Book	(D)	Dog : Puppy
48.		f: Restaurant		
	, ,	Druggist: Pharmacy		Player: Game
	(C)	Lover: Park	(D)	Chemist: Physics
49.		cer: Stage		*
	` '	Speaker: Pulpit		Writer: Book
	(C)	Professor: lecture	(D)	Horse: Wagon
50.		ror : Reflection		
	` '	Water: Refraction	• •	Computer : Screen People : Population
	(C)	Pen: Ink	(D)	reopie : ropulation
	Cho	oose the SYNONYM of the underlined	word	d:
51.	The	store keeper eventually paid \$56 billion	to re	ctify the disaster.
	` '	To command	` ′	Destroy
	(C)	Correct	(D)	To build
52.		ors are typically in ecstasy upon winning		
	` '	Exhaust	, ,	Strong
	(C)	Joy	(ח)	Greed

· , =

53.	Aromatic flowers can add greatly to the amb (A) Crippled (C) Sentimental	(B)	of a room Fragment Stinking
54.	He was slothful and so he failed his exam.  (A) Fat  (C) Lazy	` '	Stubborn Ignorant
55.	People should not <u>meddle</u> with things they d  (A) Disregard  (C) Overlook	(B)	inderstand Interface Free
56.	Choose the antonym of the underlined wo Most Utopian ideas are considered roman impossible to carry out fully.	tic, s	
	<ul><li>(A) Frivolous</li><li>(C) Pensive</li></ul>	` ′	Earthy Tacit
57.	I had to answer a panel of <u>erudite</u> people for	my F	Ph.D. viva voice.
	<ul><li>(A) Unscholarly</li><li>(C) Mire</li></ul>	` '	Swathe Perpetuate
50		` ,	1
50.	The speaker was unable to <u>pacify</u> the crowd.  (A) Excite		Antagonist
	(C) Threaten	(D)	Challenge
59.	His officer was a very strict person.		
	<ul><li>(A) Pleasant</li><li>(C) Lenient</li></ul>		Open hearted Indifferent
	(C) Lement	(1)	indirioront
60.	He has an <u>aversion</u> to milk.	( <b>D</b> )	Loving
	(A) Dear (C) Liking	` ′	Pet
٠	Choose the option that best completes the	sent	ence grammatically / semantically:
61.	The problem Steven is that he cannot		st anyone. By
	(A) From (C) With		Among
	•		
62.	I suggested that Pruja walk on and t (A) Would		get neip. Can
	(C) Should		Could
63.	Had the function not been postponed becaparticipate.	ause	of the strike, he been able to
	(A) May have	` '	Would have
	(C) Will have	(D)	Can have

64.	(A)	any knowledge of your whereabo Refuses Deny	(B)	Rejects Denies				
65.	(A)	accused to the judge for mercy. Appealed Begged	` '	Requested Applied				
	Iden	tify the part of the sentence that cont	ains a	nn error:				
66.	A glass of this (A)/ green juice every morning (B)/ helped myself (C)/ lose weight (D).							
67.	You	ng girls seems (A)/ to be on an (B)/ unsu	ıng n	hission (C)/ to save the world (D).				
68.	In a world where (A)/ everything we say and do (B)/ and everywhere we go (C)/ are recorded and analysed (D).							
69.	9. It was found that (A)/ there were 1.1 million tweet (B)/ that were classified (C)/ as problematic or abusive.							
70.	). Do we really (A)/ want our legacy (B)/ to contained all the hate (C)/ we have ever felt (D).							
	In the question given below, a set of sentences is given, which when properly sequenced form a coherent paragraph. From the options, choose the one the provides the correct find order of the rearranged statements.							
71.		lower grades, to even up the numbers. Atleast in the rick world, that wasteful Stendhal once wrote that all geniuses vigood.	truth who who whe, me, mes.	bected of admitting male applicants with has been triumphantly overcome. Were born women were lost to the public such ability, both male and female, is PSRQ RSQP				
72.	P. Q. R. S. (A) (C)	evolved a bit earlier than that.  These have been land plants for 465 over two thirds of that time.  The equally familiar grasses appeared of Flowing plants only appeared in the mi	millio even i ddle (B)					
73.	P.			arch for a solution to the problem of plane has been commandeered from				

Page 8 of 11 07JF2-18PDH101T

terror episode led to fortification of the cockpit.

Flight safety has so far focused on threats from the passenger side, and the 9/11

within.

Q.

	(Ã)	In exceptional circumstances. Such as cockpit area, the crew can use a code the automatically if the pilots are immobility PQRS	at op zed o (B)	ens the cockpit door briefly, or it even duet to depressurization. PSRQ
	(C)	QPSR	(D)	QSRP
74.	P. Q.	Indeed, Indian policy – planners find continued monetary earning by some na in this context, a fund starved country direct investment rather than get us investment, which will have its ebb and	tions like Iduly flow	and the shrinkage in world trade India, will do well to focus on foreign worried about foreign institutional depending on the environment outside.
	R. boss S.	with everyone waiting for the other to es to devise quick solutions to accelerate Given this 'new normal' kind of an env	the e	economy.  ment they will have to look at ways to
		protect the Indian economy form externa		
	` '	PSQR QSRP	` '	RSQP RPQS
	(C)	QSKI	(D)	19 60
75.	P. Q.	Comments have the potential to turn a n But, there is also a danger of its descen opinions in a language that behaves the	ding	to cacophony if readers do not express
	R.	It can become a site for multiple com	curre	ent debates for registering dissent, for
	S.	pursuing an idea and finally for building The role of moderator is to retain the spa		
		PQRS		PQSR
		SQPR	(D)	PRQS
	use mor you nega begi	of these devices can interfere with work to time on social media of playing games can't stop yourself from repeatedly checative consequences in your life-it may be Smartphone addiction, sometimes colin without a phone), is often fuelled be iction disorder.	can , school than king time loqui	be a highly productive tool, compulsive ool, and relationships. When you spend you do interacting with real people, or texts, emails, or apps even when it has to reassess your technology use. ally known as 'nomophobia' (fear or
76.	(A)	npulsive use of devices is  Harmful to your life  More important for relationships	` /	Useful for growth Highly recommended for knowledge
	_			development
77.		tay be time to reassess you technology us	e it_	You gain evil company
	` '	Fall sick quite often It affects you negatively		Your mobile phone is slow
	(0)	it affects you negatively	(1)	I car moone bhone is one.
78.	(A)	mophobia' means TV addiction Mobile phone addiction	` /	Movie addiction Drug addiction
	• •	-		

But if they are in position to act, pilots can override this mechanism.

79. Technology devices are

(A) Productive tools if used properly
(C) Old-fashioned

(D) Very expensive

80. Fear of being without a smart phone can be called a \_\_\_\_\_.

(A) Physical illness
(B) Psychological disorder
(C) Mental retardation
(D) Lonely attitude

\* \* \* \* \*

# WORK SHEET

Page 11 of 11 07JF2-18PDH101T