

<u>APTIT</u>	<u>UDE</u>	
Choos	e the correct / most ap	propriate word/s to fill in the gap in the sentences given below.
1.This	looks too heavy,	pick it up?
a) Can	1	
b) may	y I	
c) nee	d I	
d) wo	uld I	
21,440	ndor if	usill show up at the meeting?
		will show up at the meeting?
a) som		
b) any		
c) one		
d) eve	ryone	
senter whole	nce are some words. Ch	or 2 blanks – each blank indicating that something has been omitted. Beneath the oose the word for each blank that best fits the meaning of the sentence as a
		g, & still subtler echoes of association, make language an instrument which nius can wield with &
a) Coi	nfidencealoofne	ess
b) Def	initenesscertaint	cy .
c) Sinc	cerityhope	
d) Elo	quenceruthles	sness
		a sentence of which some parts have been jumbled up. Rearrange these parts IS to produce the correct sentence. Choose the proper sequence
Since	the beginning of history	
P:	have managed to catcl	h
Q:	the Eskimos and Red I	ndians
R:	by a very difficulty me	thod
S:	a few specimens of thi	s aquatic animal
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5.The Proper sequence should be:
A. QRPS
B. SQPR
C. SQRP
D. QPSR
Ans-D
6.In the question below the sentences are given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.
I cannot accept your offer.
A. Your offer cannot be accepted by me.
C. The offer cannot be accepted by me.
D. Your offer cannot be accepted.
Ans-A
7.Choose the word which best expresses the meaning of the given word.
MBEZZLE
A. Misappropriate
B. Balance
C. Remunerate
D. Clear
Ans-A
8.Choose the word which is the exact OPPOSITE of the given words
CROWDED
A. Busy
B. Congested
C. Quiet
D. Deserted
Ans-D
9.Find the correctly spelt words.
A. Klaptomania KRIT Cummins Info systems Ltd. Broviously asked Questions 3



B. Klepptomania
C. Kleptemania
D. Kleptomania
Ans-D
10. Find the correctly spelt words.
A. Judicious
B. Cancious
C. Dilicous
D. Gracous
Ans-A
11.In the question below a sentence broken into five or six parts. Join these parts to make a meaningful
sentence. The correct order of parts is the answer.
1. of 2. we 3. heard 4. him 5. had
A. 42351
B. 52341
C. 25341
D. 25431
E. 25314
Ans-E
12.Question consist of two words which have a certain relationship to each other followed by four pairs of related words, Select the pair which has the same relationship.
LIGHT:BLIND
A. speech:dumb
B. language:deaf
C. tongue:sound
D. voice:vibration
Ans-A
13.An incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.



I felt somewhat more relaxed
A. but tense as compared to earlier
B. and tense as compared to earlier
C. as there was already no tension at all
D. and tension-free as compared to earlier
E. because the worry had already captured by mind
Ans-D
14. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle?
A. 16 cm
B. 18 cm
C. 24 cm
D. Data inadequate
E. None of these
Ans-B
15.In a race of 200 m, A can beat B by 31 m and C by 18 m. In a race of 350 m, C will beat B by:
A.22.75 m B.25 m C.19.5
Ans-B
16Seats for Mathematics, Physics and Biology in a school are in the ratio 5:7:8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats? A. 2:3:4 B. 6:7:8 C. 6:8:9 D. None of these Ans-A
17An accurate clock shows 8 o'clock in the morning. Through how may degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon? A. 144º
B. 150º
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C. 168º	
D. 180º	
Ans-D	
	t P on a level ground, the angle of elevation of the top tower is 30°. If the tower is 100 m high, point P from the foot of the tower is:
A. 149 m	B. 156 m
C. 173 m	D. 200 m
Ans-C	
19The percenta	age increase in the area of a rectangle, if each of its sides is increased by 20% is:
A. 40%	B. 42%
C. 46%	D. 44%
Ans-D	
20How many d	lays are there in x weeks x days?
A. 7x2	B. 8x
C. 14x	D. 7
Ans-B	
21Which of the	e following is not a leap year?
A. 700	B. 800
C. 1200	D. 2000
Ans-A	
22What is the	speed of the train?
	rain crosses a signal pole in 18 seconds.
	rain crosses a platform of equal length in 36 seconds.
	th of the train is 330 metres.
A. I and II only	
B. II and III onl	
C. I and III only	
D. III and eithe	
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E. Any two of the three Ans-D 23The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is: A. 15 B. 16 C. 18 D. 25 Ans-B 24In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? A. 810 B. 1440 C. 2880 D. 50400 E. 5760 Ans-D 25 In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there? A. 159 B 194 C. 205 E. None of these D. 209 Ans-D 26In how many different ways can the letters of the word 'DETAIL' be arranged in such a way that the vowels occupy only the odd positions? A. 32 B. 48 C. 36 D. 60 E. 120 Ans-C Technical 1What is the ratio of the peak ripple voltage level to its rms voltage level? ٧3 C. √2 √3/2 D. $\sqrt{2}/2$ Ans-A



2In an improved shunt regulator, which of the following components sets the reference voltage? A. Transistor Q1 B. Zener diode C. Transistor Q2 D. RS Ans-B 3As the forward current through a silicon diode increases, the internal resistance A. increases. B. decreases. C. remains the same. Ans-C 4 What occurs when a conduction-band electron loses energy and falls back into a hole in the valence band? A. doping B. recombination C. generation Ans-B 5What is the voltage measured from the negative terminal of C4 to the negative terminal of the transformer? A.-10 V C. 10 V B.-20 V D. 20 V Ans-B 6Calculate the output of the second stage op-amp if V1 = 25 mV. C. 0.06 V A.-0.075 V D. 4.2 V B. 0.525 V Ans-A 7The gain of the multiple-feedback band-pass filter above is equal to which of the following? Assume C = C1 = C2. A. A0 = R2 / R1C. A0 = R2 / 2 R1B. A0 = R1 / R2D. A0 = R1 / 2 R2Ans-C



8Identify the frequency response curve for a band-pass filter.				
9Which filter has a maximally flat response?				
A. Bessel C.	Chebyshev			
B. Butterworth). all of the above			
Ans-B				
10Which of the following FETs I	has the lowest input impedance?			
A. JFET	C. MOSFET enhancement-type			
B. MOSFET depletion-type	D. None of the above			
Ans-A				
11Referring to this transfer curv	ve. Calculate (using Shockley's equation) VGS at ID = 4mA.			
12How many unique symbols a	re used in the decimal number system?			
A. One B. 1	Nine			
C. Ten D. U	Inlimited			
Ans_C				
13With interrupt-driven I/O, if t	two or more devices request service at the same time,			
A. the device closest to the CPU	J gets priority			
B. the device that is fastest gets	s priority			
C. the device assigned the high	est priority is serviced first			
D. the system is likely to crash				
Ans-C				
14The logic gate that will have	a LOW output when any one of its inputs is HIGH is the:			
A. NAND gate				
B. AND gate				
C. NOR gate				
D. OR gate				
Ans-C				



15The register in the 8085A that is used to keep track of the memory address of the next op-code to be run in the program is the:
A. stack pointer
B. program counter
C. instruction pointer
D. accumulator
Ans-B
16Derive the Boolean expression for the logic circuit shown below:
17In a 4-bit R/2R ladder digital-to-analog converter, because of negative feedback, the operational amplifier keeps the inverting (minus) input near
A. 5 volts
B. zero volts
C. a voltage determined by the binary weighted input
D. none of the above
Ans-B
18Why is the given circuit called an inverter?
A. The output is the opposite (inverse) of the input.
B. The output is in phase with the input.
C. The output is the same as the input.
D. There is no output.
Ans-A
19The hexadecimal number 4B16 is transmitted as an 8-bit word in parallel. What is the time required for this transmission if the clock frequency is 2.25 MHz?
A.444ns
B.444s
C.3,55s
D.3.55ms
Ans A
20List which pins need to be connected together on a 7493 to make a MOD-12 counter.



A. 12 to 1, 11 to 3, 9 to 2
B. 12 to 1, 11 to 3, 12 to 2
C. 12 to 1, 11 to 3, 8 to 2
D. 12 to 1, 11 to 3, 1 to 2
Ans-C
21In a TTL circuit, if an excessive number of load gate inputs are connected,
A. VOH(min) drops below VOH
B. VOH drops below VOH(min)
C. VOH exceeds VOH(min)
D. VOH and VOH(min) are unaffected
Ans-B
22The internal RAM memory of the 8051 is:
A. 32 bytes
B. 64 bytes
C. 128 bytes
D. 256 bytes
Ans_C
23Which of the following commands will move the number 27H into the accumulator?(8051)
A. MOV A, P27
B. MOV A, #27H
C. MOV A, 27H
D. MOV A, @27
Ans-B
24An alternate function of port pin P3.0 (RXD) in the 8051 is:
A. serial port input
B. serial port output
C. memory write strobe

D. memory read strobe



Ans-A

24In an 8051 program DA A adjusts the value in the accumulator resulting from an addition into two BCDs.

A. True

B. False

Ans-A

