Food Corporation of India (FCI)



Assistant Grade III Exam (Paper – I)

Previous Paper (Completely Solved) Held on - 05-02-2012

Powered by www.Guide4BankExams.blogspot.in

FOOD CORPORATION OF INDIA Assistants Grade III Exam - Previous Paper

Held on 05-02-2012

REASONING ABILITY

Directions (1-9) : In each of the following questioins; select the related word/letters/number from the given alternatives. 1. Student : Book :: Postman : ? (1) Delivery (2) Bicycle (3) Uniform (4) Mail 2. Illiteracy : Education :: Drought : ? (1) Well (2) Rain (3) Dam (4) River 3. Carpenter : Furniture :: ? (1) Book : Author (2) Magazine : Editor (3) Cook : Soup (4) Dam : Engineer 4. LOM : NMK :: PKI : ? (1) RIH (2) SHG (3) RIG (4) RHG 5. JTIS : HRGQ :: FPEO : ? (1) DNCM (2) DCNQ (3) CNDM (4).CNDQ 6. BAD : CBE :: ? : IVSU (1) GOOD (2) HSPR (3) HALT (4) HURT 7. 5:30:8:? (1) 14(2)50(3) 69 (4) 80 8. 12:30:2Q:? (1) 48 (2) 32(4) 42 (3) 35 9. 3:28:5:? (1) 179(2) 126(3) 124(4) 125 Directions (10-18) : In each of the following questions, select the one which is different from the other three responses. 10. (1) Cement (2) Glue (3) Gum (4) Lock 11. (1) Biography (2) Photography (3) Lithography (4) Xerography

12.	(1) Petrol - (Car
	(2) Coal - E	
- â	(3) Smoke -	
pr off	(4) Oil - Lan	
10		
13.		(2) 25
1000	(3) 19	(4) 17
14.	(1) 6121	(2) 7364
	(3) 1036	(4) 2710
15.	(1) 21 - 98	(2) 45-210
1000	(3) 7 - 29	(4) 27-126
16.	(1) EBD	(2) IFH. `
Conserves a	(3) QNO	(4) YVX
17.	(1) BQCR	(2) DSET
	(3) FUGV .	(4) HWAY
10	(1) AEIU	(2) BCDF
10.		(4) OLATA
	(3) AOIU	
1.1		(19-30) In each
		questions, which
		esponies would be
a m	eandingful o	rder of the follow-
ing	words in asce	ending order?
19	1. Child	2. Procession
	3. Marriage	4. Infant
	5. Educatio	
	(1),1,3,5,5	2, 4
-	(2) 2, 1, 4, 3	3.5
	(3) 4, 1, 5, 2	2.3
F	(4) 5, 4, 1, 3	3.2
20		
	3. Foundat	
		uon standis
\mathbb{N}	5. Ceiling	
,V	(1) 1. 2. 3.	
)).	(2) 3, 4, 1, 5	
2	(3) 3, 4, 5,	
	(4) 5, 4, 3, 5	2, 1
21	. If the follow	wing words are ar-
- 15	ranged acc	cording to English
12.	Dictionary,	which word will be
	on third pla	ace?
1	(1) KNOW	- (2) KNACK
	(3) KNIT	(4) KNOB
22		set of letters when
1	sequential	y placed at the gaps
	in the dive	n letter series shall
1.		
100		
1.08	_bc c _ a al	
1.1	(1) acbc	(2) abac
	(3) abcc	(4) aca c

Directions (23-26) : In each of the following questions, choose the correct alternative from the given ones that will complete the series :

ries :
23. ACE, BDF, CEG, 2 (1) CED (2) DFH (3) DEM (4) HED 24. AZBY, CXDW, EVFU, 2
(1) CED (2) DFH
(3) DEM (4) HED
(1) SHTG (2) GXHW
(1) SHTG (2) GXHW (3) GTHS (4) STHO
25. 33, 48, 65, 84, 2 , 2
(1) 105, 128 (2) 99, 110
(3) 101, 118 (4) 105, 126
26. 2, 10, 26, 50, 2
(1) 74 (2) 50
(3) 78 (4) 82
27. Find the wrong number in the
given number series :
2, 10, 30, 68, 120, 222
(1) 68 (2) 120
(3) 30 (4) 222
28. Savitha introduced a boy as
the son of the only daughter
 of the father of her maternal
uncle. How is boy related to
Savitha?
(1) Brother (2) Son
(3) Nephew (4) Son-in-law
29. A father is three times as old
his son. Eight years ago, the
father was five times as old as
his son. What is the present
age of the son ?
(1) 12 years (2) 14 years
(3) 16 years (4) 20 years
30. From following alternatives select the word which cannot
be formed using the letters of
the given word:
DEPARTMENT
(1) PART (2) TREAT
(3) MATURE (4) TAME
31. From the following alternatives
select the word which can be
formed using the letters of the
given word :
EXPERIENCE
and an an a state of the state

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

- (1) EXPIRE
- (2) PERCIEVE
- (3) EMPIRE
- (4) EXPENSE
- **32.** If E = 5 and TEA = 26 then TEACHER = ? (1) 75 (2) 59
 - (3) 60 (4) 57
- 33. In certain code COMPUTER is written as OCPMTURE. In that code which alternative will be written as OHKCYE ? HCOKEY (2) HYKOCE (3) HOCKEY (4) HOYECK
- 34. X stands for +, Z stands for +, Y stands for -, and P stands for x, then what is the value of 10 P 2 X 5 Y 5 ? (1) 10
 - (2) 15
 - (3) 20(4)25
- 35. Some equations are solved on the basis of a certain system. Find out the correct answer for the unsolved equation on that basis.

If $3 \div 5 = 5$, $4 \div 7 = 8$, $8 \div 7 = 6$ then, what should 9 + 6 be ? (1)4(2).9(4) 6

- (3)5
- 36. Select the correct combination of mathematical signs to replace * signs and to balance the given equation :
 - 28 4 9 16 (1) ÷ +1=
 - $(2) + \div =$ (3) - x +(4) - = x

Directions (37-38) : In each of the following questions, find the missing number from the given responses.

3	7.	8	15	22	\sim
		29	? _	43	\sim
		50	57	64 O	
	(1)	34	(2) 50	
	(3)	33	(4) 36	\searrow
3	8.	7	9.2	3	\mathcal{N}
		8	3	5	<u> </u>
		2	5	? /	
5		112	135	900	
	(1)	6	(2) 70	
	(3)	60	(4) 65	
39	. A :	man	starts fr	om h	is hou

se and walked straight for 10 metres towards North and turned left and walked 25 metres. He then turned right and

- walked 5 metres and again turned right and walked 25 metres. Which direction is he facing · now ?
 - (1) North (2) East
 - (3) South (4) West
- 40. A and B start walking from the same point. A goes north and covers 3 km, then turns right and covers 4 kms. B goes west and covers 5 kms, then turns right and covers 3 kms. How far apart are they from each other ?
 - (1) 10 km (2) 9 km
 - (4) 5 km -(3) 8 km
- 41. Five persons A, B, C, D and E are sitting in a row facing your such that D is on the left of C and B is on the right of E. A is on the right of C and B is on the left of D. If E occupies a corner postion, then who is sitting in the centre ?

(2) B

- ·(1) A
- (3) C (4) D
- 42: If Ram's house is located to the south of Krishna's house and Govinda's house is to the east of Krishna's house, in what direction is Ram's house situated with respect to Govinda's house?
 - (1) North-East
 - (2) North-West
 - (3) South-East
 - (4) South-West

Directions (43-44) : In each of the following questions, two statements are given followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be true even if they seem to be at variance from commonly known facts. You are to decide which of the given conclusions, if any, follow from the given statements.

43. Statements:

- 1. All children are students.
- 2. All students are players.

Conclusions:

- I. All cricketers are students.
- II. All children are players.

- (1) Only conclusion I follows.
- (2) Only conclusion II follows.
- (3) Both conclusions I and II follow.
- (4) Neither conclusion I nor II follows.

44. Statements:

- 1. No teacher comes to the school on a bicycle.
- 2. Anand comes to the school on a bicycle.

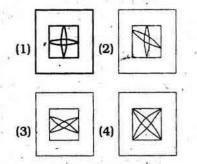
Conclusions:

- I. Anand is not a teacher.
- II. Anand is a student.
- (1) Conclusion I alone can be drawn.
- (2) Conclusion II alone can be drawn .
- (3) Both Conclusions can be drawn.
- (4) Both Conclusions can not be drawn.
- 45. Which answer figure will complete the pattern in the question figure ?

Question Figure



Answer Figures :

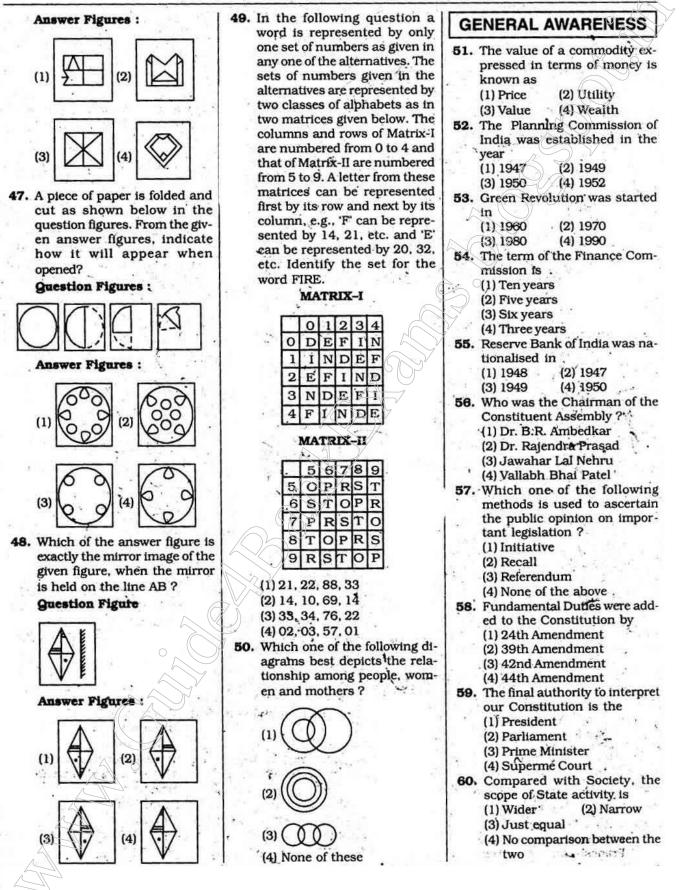


46. Select the answer figure in which the question figure is hidden/embedded.

Question Figure



SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM



81.	Seleucus Nicator was defeated	(1) Bhutan, Bangladesh and	80. Eclipses occur due to which
	by	. China .	optical phenomena?
	(1) Asoka	(2) Myanmar, Bangladesh and	(1) Reflection (2) Refractio
÷ .	(2) Chandragupta Maurya	China	(3) Rectilinear propagation
	(3) Bindu Sara	(3) Bhutan, China and Myan-	(4) Diffraction
	(4) Brihadratha	mar	81. Which of the following produc
2.	The striking feature of the Indus Valley Civilization was	(4) Bhutan, Bangladesh and Myanmar	es highest amount of energ
	(1) Urban Civilization	71. The green colour of the leaves	(1) Protein (2) Fat
	(2) Agrarian Civilization	is due to the presence of	(3) Glucose (4) An alkan
-	(3) Mesolithic Civilization	(1) Proteins (2) Lipids	82. Pure water is bad conductor of
	(4) Paleolithic Civilization	(3) Chlorophyll	electricity because it is
3.	The Governor-General who	(4) Carbohydrates	(1) feebly ionized
	abolished the practice of Sati	72. The edible part of an onion is(1) Modified root	(2) not volatile
	was	(2) Aerial flower	(3) a very good solvent
	(1) Dalhousie	(3) Aerial stem	(4) a non-polar solvent
	(2) Ripon (3) William Bentinck	(4) Fleshy leaves	85. Where is National Chemica
	(4) Curzon	73. To which group of blood an	Laboratory (NCL) located?
A	(4) Curzon The famous Bhakti Saint who	universal recipient belongs?	(I) Chanugain
	belonged to the royal family of	(1) A group (2) B group	(2) Bhavnagar (3) Pune
	Mewar was	(3) 0 group (4) AB group	(4) Panaji
	(1)Chaitanya (2) Andal	74. The normal body temperature	84. The metals commonly used for
	(3) Meerabai (4) Ramabai	of human beings is	electroplating are
5.	After Alexander's death the	(1) 96.4 °F (2) 97.4 °F	(1) Gold, Sodium and Chromi
	Eastern part of his empire	(3) 98.4 °F (4) 99.4 °F	um
	came under	75. Columba livia is the scientif-	(2) Chromium, Copper and
	(1) Seleucus Nicator	ic name of	Nickel >
	(2) Menander	(1) Pigeon (2) Snake	(3) Nickel, Lead and Chromi
	(3) Rudradaman	(3). Rabbit (4) Shark	um
	(4) Kanishka	76. Bones are pneumatic in	(4) Gold, Sodium and Potassi
6.	The Thar Express goes to	(1) Fishes	um
	(1) Afghanistan	(2) Amphibians	85. Which of the following in au
	(2) Bangladesh	(3) Reptiles (4) Birds	tomobile exhaust can caus
	(3) Pakistan	77. Name the process of produc-	cancer?
	(4) Myanmar	tion of energy in the Sun	(1) Oxides of nitrogen
37.	The product used for manufac-	(1) Nuclear fission	(2) Carbon monoxide
	turing of Industrial alcohol is	(2) Radioactivity	(3) Lead
	(1) Khandasari	(3) Nuclear fusion	(4) Polyclinic hydrocarbons
	(2) Bagasse	(4) Ionization	86. Bleaching powder is used in
	(3) Molasses	78. A spherical ball made of steel	drinking water as a/an
	(4) Paper-pulp	when dropped in mercury con-	(1) disinfectant (2) antibiotic
8 .	Guwahati is situated on the	tainer will	(3) antiseptic (4) coagulan
	bank of the river	(1) sink in mercury	87. Gamma rays have greatest sim
a.	(1) Teesta	(2) will be on the surface of	ilarity with
	(2) Brahmaputra	(2) will be portly imposed	(1) α -rays
	(3) Hooghly	(3) will be partly immersed	(2) β-rays
-	(4) Sone	(4) will dissolve in mercury	(3) X-rays . (4) U:Vrays
9.	Kanchenjunga is situated in	79. The sounds having a frequen-	88. In the absence of ozone layer
	(1) Nepal	cy of 20 Hertz to 20,000 Hertz	which rays will enter into at
5	(2) Sikkim	are known as	mosphere?
	(3) West Bengal	(1) Audible sounds	(1) Infrared
	(4) Himachal Pradesh	(2) Ultrasonics	(2) Visible
	With which set of following	(3) Infrasonics	(3) Ultraviolet.
	countries has Arunachal Pradesh common border?	(4) Megasonics	(4) X-rays
	A radicon common border?		

- 14

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

89.	Where are programs and data to be used by the computer	(2) Bihar (3) Maharashtra	104.The number 2.52, when writ-
	available?	(4) Rajasthan	to lowest terms, the sum of the
	(1) Processing Unit	97. National Social Assistance Pro-	numerator and denominator is
	(2) Output	gramme is aimed at providing	(1) 7 (2) 29
	(3) Storage	(1) financial support to Sched-	. (3) 141 (4) 349
	(4) Input	uled Castes and Scheduled	105. If the square root of x is the
90.	In HTML, and tags	Tribes	cube root of y, then the rela-
bi:	display the enclosed text in	(2) old age pension to very poor	tion between x and y is
1	(1) black colour	(3) insurance for the poor	(1) $x^3 = y^2$ (2) $x^2 = y^3$
14	(2) background	(4) All of the above 98. As per studies, the Tumma-	(1) $x = y$ (2) $x = y$ (3) $x = y$ (4) $x^6 = y^5$
	(3) bold	lapalle mine in Andhra	106. A and B together can complete
	(4) bright	Pradesh could have Uranium	a work in 12 days. A alone can
91.	Who invented chloroform as	reserve of	complete in 20 days. If B does
	anaesthetic?	(1) 1 lakh tonnes	the work only half a day daily.
	(1) James Simpson	(2) 1.5 lakh tonnes	then in how many days A and
	(2) Edward Jenner	(3) 2 lakh tonnes	B together will complete the
	(3) Alexander Fleming	(4) 2.5 lakh tonnes	work?
-	(4) Christian Barnard	99. Which of the following is a fa-	(1) 10 days (2) 20 days
	The Nobel Prize for Chemistry	mous Assamese festival ?	(3) 11 days (4) 15 days
	for the year 2011 has been awarded to	(1) Makar Sakranti	107. A can do a piece of work in 70
		(2) Yugadi	days and B is 40% more effi-
2	(1) Saul Andmutter, Brian P. Schmidt and Adam G.	. (3) Onam	ctent than A. The number of
	Riess	. (4) Rongali Bihu	days taken by B to do the same
	(2) Bruce A. Beutler, Jules A.	100. The least populated State in	work is
	Hoffmann and Rálph M.	India is	(1) 40 days (2) 60 days (2) 50 days (4) 45 days
	Steinman	(1) Arunachal Pradech	(3) 50 days (4) 45 days 108. A right circular cylinder, a
	(3) Christopher A. Sims and	(2) Sikkimi	hemisphere and a right circu-
1	Thomas J. Sargent	(3) Mizorani	lar cone stand on the same
	(4) Dan Schechtman	(4) Uttarakhand	base and have the same height.
93.	Sebastian Vettel won the For-	QUANTITATIVE APTITUDE	The ratio of their volumes is
	mula 1 Indian Grand Prix held		(1) 3 : 6 : 1 (2) 3 : 4 ; 1
	at Greater Noida on October	101. If $\sqrt{4096} = 64$, then value of	(3) 3 : 2 : 1 (4) 4 : 3 : 1
	30, 2011. This was also his		109. A cylinder has 'r' as the radius
	win of the season.	√40.96 √0.4096 + √0.004096	of the base and 'h' as the
37	(1) 10th (2) 1-1th	+ √0.00004096 is	height. The radius of base of
020123	(3) 12th (4) 13th	(1) 7.09 (2) 7.1014	another cylinder, having dou-
94.	Of which of the following	10 2 3 3 0 4 2 3 0	ble the volume but the same
	States of India is Kuchipudi a	102. The value of <	height as that of the first cyl-
	dance-drama?		inder must be equal to
	(1) Orissa	$\frac{1}{15} + \frac{1}{35} + \frac{1}{63} + \frac{1}{99} + \frac{1}{143}$ is	r > > > >
	(2) Andhra Pradesh O	15 35 63 99 143	(1) $\sqrt{2}$ (2) 2r
	(3) Kerala	5 4	
05	(4) Tamil Nadu	(1) $\frac{5}{39}$ (2) $\frac{4_1}{39}$	(3) $r\sqrt{2}$ (4) $\sqrt{2r}$
904	With which of the following was Satyajit Ray associated?		110. Area of the base of a pyramid
	(1) Classical dance	(3) $\frac{2}{39}$ (4) $\frac{7}{39}$	is 57 sq.cm. and height is 10
	(2) Journalism	39 39 39	cm, then its volume in cm ³ , is
	(3) Classical music	(-3)	(1) 570 (2) 390.
	(4) Direction of films	$-\left(4^{-\frac{3}{2}}\right)$	(3) 190 (4) 590
OR	(4) Direction of finns Census data released on July	103. When simplined (256)	111. If the length of the diagonal of
	15, 2011 reflects that 13.48	f 1	a cube is $8\sqrt{3}$ cm, then its sur-
	percent urban population lives	(1) 8 (2) $\frac{1}{8}$	
	in _		face area is
	(1) Uttar Pradesh ·	$(3) 2 (4) \frac{1}{2}$	(1) 192 cm^2 (2) 512 cm^2
-		, 4	(3) 768 cm^2 (4) 384 cm^2
Å	M-		

Like our Facebook page http://www.facebook.com/guide4bankexamspage for Daily Updates

ų,

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

112. The area of a circle inscribed in a square of area 2 m² is
$$(1) \frac{\pi}{4} m^2$$
 (2) $\frac{\pi}{2} m^2$
(3) m^2 (4) $2m^2$
(3) $3\frac{1}{3}$ km/hour difference of here area of it then the length of cach side of the triangle is (1) 33 km/hour
(2) $3\frac{3}{3}$ km/hour
(3) 34 unit (4) 6 unit
114. An equilateral triangle is 432 km/hour
(3) 304 unit (2) 3 unit
(3) 4 unit (2) 3 unit
(3) 4 unit (2) 3 unit
(3) 4 unit (2) 5 unit
(3) 305 (4) $1:\sqrt{2}$
(1) $\sqrt{5}: 2^-$ (2) $\sqrt{2}:\sqrt{3}$
(3) $2:\sqrt{3}$ (4) $1:\sqrt{2}$
(1) 55^{1} (4) $21\cdot\sqrt{2}$
(1) 55^{2} (2) $\sqrt{2}:\sqrt{3}$
(3) $2:\sqrt{3}$ (4) $1:\sqrt{2}$
115. For a certain article, if dis-
count is 2596 the profit is 2596 , the profit is 2566 , the markes a profit is 2366 (3) 160^{2} (4) 243^{2}
(3) 4^{2} 425^{2} (4) 2475^{2}
(3) $7\frac{425}{4}$ (4) 2475^{2}
(3) $7\frac{425}{4}$ (4) 2475^{2}
(3) $7\frac{4}{2}$ 2^{2} $4^{2} + t^{2} + t^{2} + 2 (a + b + c)$ the value of $a^{2} + t^{2} + b^{2} + c^{2} + 3 + 2 (a + b + c)$ the value of $a^{2} + t^{2} + t^{2} + 3 + 2 (a + b + c)$ is $(1) $7\frac{2}{2} = 22^{2} + 1 = \frac{1}{4}, p \neq 0$, then 115 . The retrace of 306^{6} , the orginal number is increased altogether is increased altogether is increased altogether is increased altogether is intraceased at $25^{2}6^{2}$. The orthoe centre of a triangle areading an areading and therea$

1

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM 134. Two line segments PQ and RS (1) $\frac{7}{12}$ (2) $\frac{1}{2}$ (3) $2\frac{3}{4}$ acres intersect at X in such a way that XP = XR. If $\angle PSX = \angle RQX$, then one must have (3) $\frac{5}{12}$ (4) 1 (4) $2\frac{1}{2}$ acres (1)FR = QS(2) PS = RQ141. If $\cos x + \cos y = 2$, the value Directions (146-150) : Study (3) $\angle XSQ = \angle XRP$ of $\sin x + \sin y$ is the following bar graph and answer (4) $ar(\Delta PXR) = ar(\Delta QXS)$ (1)0(2)1the questions. 135. AD is the median of a triangle (3)2(4) - 1Gross Profit and Net Profit of ABC and O is the centroid Directions (142-145) : The a company in lakins of rupees for the such that AO = 10 cm. The following Pie-chart shows the land years 1994-1997: length of OD in cm is distribution of a housing complex. (1)4(2)5If the total area of the complex is 5 (3)6(4)8 Gross Profit acres, examine the pie chart and Net Profit 136. The external bisector of ∠B answer the questions. and ZC of AABC (where AB and AC extended to E and F re-50 spectively) meet at point P. If Gross/Net Profit $\angle BAC = 100^\circ$, then the measure of ZBPC is $(1) 50^{\circ}$ $(2) 80^{\circ}$ teren maren $(3) 40^{\circ}$ (4) 100° 137. If $\tan (20 + 45^\circ) = \cot 30$ where E 10 $(20 + 45^\circ)$ and 30 are acute an-Residental Area gles, then the value of θ is 1994 1995 1996 1997 $(1)5^{\circ}$ $(2) 9^{\circ}$ Commercial Area : [] Years $(3) 12^{\circ}$ (4) 15° Road Area 138. One flies a kite with a thread 146. The year in which the gross Green Zone : 4 150 metre long. If the thread profit is double the net profit of the kite makes an angle of Water body (1) 1997(2) 199560° with the horizontal line, 142. The ratio of area allotted for (3) 1996 (4) 1994then the height of the kite from residential and road purpose is the ground (assuming the 147. The percentage of net profit of (1)(1:4)(2)4:1thread to be in a straight line) 1995 as compared to the gross (3)3:8 (4)8:3profit in that year is is 143. The percentage of the total (1) 50 metre (1) 25.5% (2) 35.5% area allotted for water body and (3) 37.5% (4) 42.5% (2) $75\sqrt{3}$ metre green zone together is 148. The difference of average gross (1) 35% (2) 30% (3) 25 √3 metre profit and average net profit (3) 45% (4) 40% (4) 80 metre calculated for four years is 144. Land allotted for green zone is **139.** If θ be acute angle and $\cos \theta$ (1) 7 18.75 lakhs greater than that for commer-(2) ₹ 19.75 lakhs cial purpose by $=\frac{15}{17}$, then the value of (3) ₹ 20.5 lakhs (1) $\frac{3}{2}$ acres (2) $\frac{2}{3}$ acres (4) ₹ 22.5 lakhs $\cot (90^\circ - \theta)$ is 149. The ratio of gross profit to net (3) $\frac{4}{3}$ acres (4) $\frac{3}{4}$ acres (1) $\frac{2\sqrt{8}}{15}$ (2) $\frac{8}{15}$ profit in a year was greatest in the year 145. The total land allotted for res-(1) 1994(2) 1995idential and commercial pur-(3) $\frac{\sqrt{2}}{17}$ (4) $\frac{8\sqrt{2}}{17}$ (3) 1996(4) 1997 pose is 150. For the entire four years as (1) $2\frac{1}{4}$ acres. shown, the ratio of total gross **140.** If $\sec^2 \theta + \tan^2 \theta = \frac{7}{12}$, then profit to total net profit is (2) 11:6 (1) 13:4(2) $4\frac{1}{2}$ acres $\sec^4\theta - \tan^4\theta =$ (3) 11:5 (4)9:4

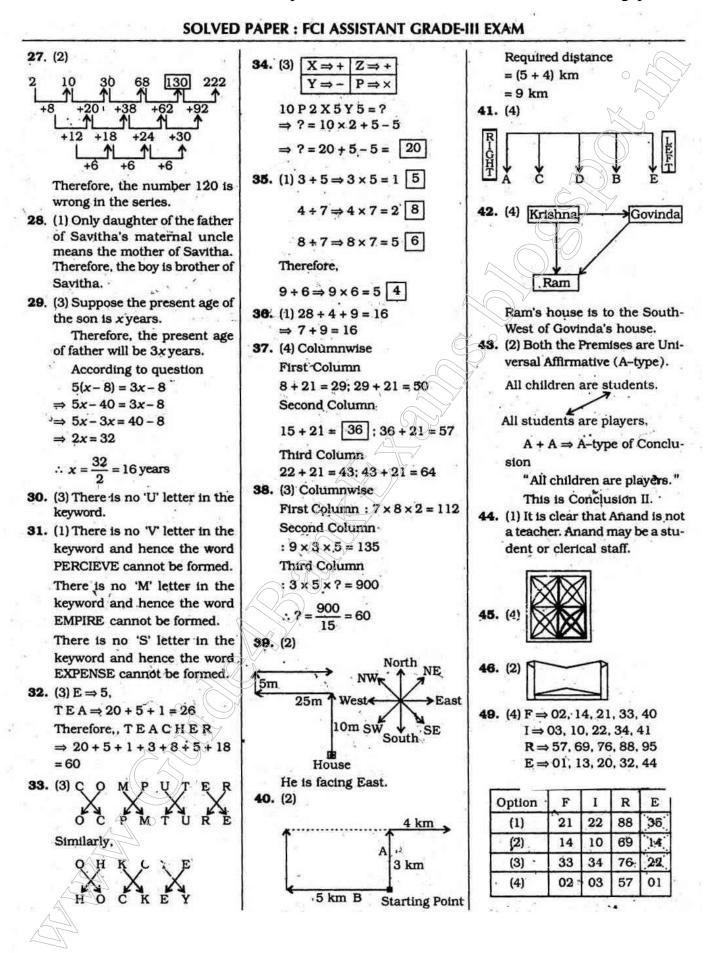
SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM 161. magnificent 172. to make a mountain of a ENGLISH LANGUAGE (1) magnanimous molehill (1) to make advantage of a (2) modest Directions (151-155) : In the small thing 1.10 (3) generous following questions, some sentenc-(2) to give great importance to es have errors and some have none. (4) splendid little things Find out which part of a sentence 162. spirited (3) to get into trouble has an error. The number of that (1) heated (4) to see a thing with prejupart is your answer. If there is no (2) drunk diced mind. error, then your answer is (4) i.e. No (3) enthusiastic 173. hand in glove error. (4) possessed (1) in close relationship 151. Neither of them (1)/ are (2)/ 163. gloomy good (3)/. No error (4) (2) non-cooperative (1) misty (2) obscure (3) critical 152. Due to me being a new comer (3) murky (4) shadowy (1)/ I was unable (2)/ to get a (4) on bad terms 164. grumble good house (3)/. No error (4) 174. to add fuel to the fire (1) to scold 153. The circulation of The States-(1) to make matters bright (2) to complain man (1)/ is greater than (2)/ (2) to cause additional anger (3) to sheer that of any newspaper. (3)/. No (3) to bring matters to a con-(4) to fight error (4) clusion 154. In the garden (1)/ were the 165. crude (4) to start a revolt (1) unrefined (2) cruel more beautiful flowers (2) / and 175. wear and tear silver bells (3)/. No error (4) (3) rude (4) savage (1) a brand name 155. The poet (1)/ describes about Directions (166-170) : In the (2) damage (2)/ the spring season (3)/. No following questions choose the word (3) lot of sorrow error (4) opposite in meaning to the given (4) a warning Directions (156-160) : In the word. Directions (176-180) : In the following question's, sentences are 166. detest following questions, part of the sengiven with blanks to be filled in with (2) dislike (1) test tence is printed in **bold**. Below are an appropriate word(s). Four alter-(4) interest (3) like given alternatives to the **bold** part natives are suggested for each quesat (1), (2) and (3) which may improve 167. intentional tion. Choose the correct alternative the sentence. Choose the correct (1) accidental out of the four as your answer. alternative. In case no improvement (2) undecided 156. The news was _____ good to is needed your answer is (4) (3) concentrated be true. 176. A pair of shoes have been pur-(4) broken (2) too' (1) very . chased by me. 168. commence (4) as (3) so (1) has been (2) schedule (1) start this 157. How much longer (2) has being (3) conclude (4) dissolve book? (3) would been 169. expand (1) you are needing (4) No improvement (2) contrast (1) contract (2) will you be needing 177. When I shall go to Agra, I shall (3) will you have needed (4) controvert (3) consist visit the Taj Mahal. (4) have you needed 170. prosperity (1) have gone you hear the President's 158. (1) propriety (2) shall travel speech? (2) property (3) go (1) Have (2) Has (3) adversity (4) No improvement (3) Had (4) Did (4) perspicacity 178. You must apologise with him 159.I ____ to the movies with Directions (171-175) : In the for this. some friends last night: following questions, four alterna-(1) to (1) have gone (2) went tives are given for the Idiom/ (2) of '(4) am going (3) am gone Phrase. Choose the alternative (3) for 160. She has only_ friends. which best expresses the meaning (4) No improvement (2) less (1) fewer of the Idiom/Phrase. 179. Since he worked hard he (3) more (4) a few 171. to speak one's mind. failed to'secure good grades. Directions (161-165) : In the (1) To be frank and honest (1) As following questions, out of the four (2) To think aloud (2) When alternatives, choose the one which (3) To talk about one's ideas best expresses the meaning of the (3) Though (4) To express one's thoughts given word. (4) No improvement

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

•180. The minister agreed will an- swer questions on television.	Directions (191–200) : In the following passage; some of the words		ANSW	BS	
(1) to answer	have been left out. First read the		7110111	-110	
(2) for answering	passage over and try to understand	1. (4)	2. (2)	3 (3)	. 4. (3)
(3) with answering	what it is about. Then fill in the	5. (1)	6. (4)	7. (3)	8. (4)
(4) No improvement	blanks with the help of the alterna-	9. (2)	10. (4)	11. (1)	12. (3)
Directions (181-185) : In the	tives given.	13. (2)	14. (1)	15. (3)	16. (3)
following questions out of the four	"Quit India" came not from the	.17. (4)	18. (2)	19. (3)	20. (3)
alternatives, choose the one which	lips but the aching hearts of mil-	21. (4)		23. (2)	24. (3)
can be substituted for the given sen-	lions. In this open rebellion, the	25. (1)		27. (2)	28. (1)
tence.	Inidan 191 reached its climax. The	29. (3)	the second s	31. (1)	32. (3)
181. A person who loves wealth and	British were not only 192 by it, but	33. (3)		35. (1)	. 36. (1)
spends as little money as pos-	also were obliged to quit unilater-			and a summer of the local data	a company of the second
sible	ally. The importance of Quit India	37. (4)		39. (2)	40. (2)
(1) Curmudgeon	can be 193 from Lord Linlithgow's	41. (4)		43. (2)	· 44. (1)
(2) Money-grabber	statement, "I am engaged here in	45. (4)		47. (4)	48. (2)
(3) Scrimp	meeting by far the most 194 rebel-	49. (4)		51. (1)	52. (3)
(4) Miser	lion since that of 1857, the gravity and extent of which we have so far	53. (1)		55. (3)	56. (2)
182. State of anxiety or dismay	195 from the world for reasons of	. 57. (1)	the second s	59. (4)	60. (1)
causing mental confusion	military security." Still more signif-	61. (2)		63. (3)	64. (3)
(1) Constriction	icant was Churchill's gloomy disclo-	65. (1)	66. (3)	67. (3)	68. (2)
(2) Consternation	sure to the King Emperor that, "the	69. (2)	70. (3)	71. (3)	72. (4)
(3) Concentration	idea of 196 of power had become	73. (4)	74. (3)	75. (1)	76. (4)
(4) Contraction	an admitted 197 in the minds of.	77. (3)	78. (2)	79. (1)	80. (3)
3/24/10/2012/2012/2012/2012/2012/2012/201	British party leaders," although his	81. (2)	the second se	83. (3)	84. (2)
183. A person who is fluent in two	public statements were diametrical-	85. (4)		87. (3)	. 88. (3)
languages	ly opposite. The 198 created by Quit	89. (3)		91. (1)	92: (4)
(1) Versatile	India made the British 199 that	93. (2)		95. (4)	96, (3)
(2) Expert	they could no longer keep India in	97. (2)		99. (4)	100. (2)
(3) Bilingual	200.				
(4) Knowledgeable	191. (1) freedom (2) patriotism	101. (3)		03. (4)	
184. One who eats human flesh	(3) liberation (4) revolution	105. (1)		07.,(3)	108. (1)
(1) Maneater (2) Cannibal	192. (1) threatened	109. (3)	and the second se	11. (4)	
(3) Beast (4) Savage	(2) trispired	the second se	114. (3) 1		116. (3)
185. The quality of being politely	(3) attacked		118. (2) 1		
firm and demanding	(4) impressed				124. (3)
(1) assertive (2) bossy	193. (1) diffused (2) gauged	125. (3)	126. (4) 1	27. (1)	128. (2)
(3) aggressive (4) lordy	(3) established (4) determined		130. (2) 1		
Directions (186-190) : In the	194. (1) trivial	133. (3)	134. (2) 1	35. (2)	136. (3)
following questions groups of four	(2) magnificent	137. (2)		39. (2)	140. (1)
words are given. In each group, one	(3) serious	141. (1)	the second se	the second se	144: (4)
word is correctly spelt. Find the cor-	(d) auspicious	145. (3)	the second second second second	47. (3)	148. (4)
rectly spelt word.		149. (1)		51. (2)	152. (1)
186. (1) independance		153. (3)		55. (2)	156. (2)
(2) independence	(3) prevented (4) concealed	157. (4)		59. (2)	160. (2)
(3) independens	196. (1) transfer (2) seizure .				the second se
(4) indepandance	(3) grabbing (4) retainment	161. (4)		63. (3)	164. (2)
187. (1) hypocrisy (2) hypocresy	197. (1) tactics (2) fantasy	165. (1)	the second se	67. (1)	168. (3)
(3) hipocrisy (4) hipocrecy	(3) inevitability	169. (1)	the second se	71. (1)	172. (2)
188. (1) aeroplane (2) airoplane	(4) occurrence	The second distances of the second se		75. (2)	176. (1)
(3) aeroplain (4) airoplain	198. (1) violence (2) taboos	177. (3)	the second s	79. (3)	180. (1)
189. (1) loanly (2) lonly	(3) vengeance (4) anarchy	181. (4)	182. (2) 1	83. (3)	184. (2)
(3) lonclie (4) lonely	199. (1) imagine (2) pretend	185. (1).	186. (2) 1	87. (1)	188. (1)
(o) minearce (+) fullely	(3) realise (4) anxious	189. (4)		91. (2)	192. (1)
190 (1) certmony (0) common					
190. (1) cerimony (2) ceremoney (3) ceremony (4) cerimoney	200. (1) power (2) bondage	193. (2)		95. (3)	196. (1)

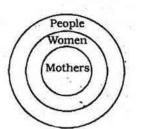
•

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM **9.** (2) $(3)^3 + 1 = 27 + 1 = 28$ 19. (3) Meaningful order of words **EXPLANÁTIONS** in ascending order : Similarly, $(5)^3 + 1 = 125 + 1 = 126$ 4. Infant 1. (4) Students carry and study books. Similarly, Postman car-10. (4) Except Lock, all others are T ries mails. used to stick something or 1. Child paste something on the other 2. (2) Illiteracy is warded off T through education. Similarly, thing. 5. Education 11. (1) Biography is an account of Drought is warded off by rain. ↓ life of somebody, while all oth-3. (3) Carpenter makes furniture. ers are different techniques of Similarly, Cook prepares soup. 2. Profession 'In this problem Worker-Prodprinting. 1 uct relationship has been 12. (3) Smoke comes out of Fire. 3. Marriage shown. Petrol is used to run car. Sim-20. (3) Meaningful order of words 4. (3)·L O M-N M K ilarly, Steam engine runs on in ascending order : coal and oil is burnt in Lamp. 3. Foundation 13. (2) Except the number 25, all 1.1: others are Prime Numbers. The 4. Walls Similarly, number 25 is a perfect square. L KI >R 14. (1) Except the number 6121, 5. Ceiling all other numbers are even T numbers. 1. Plastering 5. (1) **15.** (3), $\frac{98}{21} = 4.666$; $\frac{210}{46}$ 1 4.666 ; 2. Painting **21.** (4) 2. KNACK \rightarrow 3., KNIT \rightarrow = 4.666 4: KNOB \rightarrow 1. KNOW 22. (3) a bcc b a / abc c ba / ab c Similarly, = 4.142 But. C M 23. (2) 'A +1 > B +1 > C +1 > D 16. (3) E AR $\rightarrow D \stackrel{+1}{\longrightarrow} E \stackrel{+1}{\longrightarrow} E$ +2 6. (4) B A D 24. (3) +2 Similarly. 17. (4) D HURT v S U т +1. +1 25. (1) +1 +1 7. (3) $(5)^2 + 5 = 25 + 5 = 30$ Similarly, $(8)^2 + 5 = 64 + 5 = 69$ 26. (4) 8. $(4) 3 \times 4 = 12$ $5 \times 6 = 30$ 18. (2) Except the letter group $4 \times 5 = 20$ BCDF, in all other letter groups there are only Vowels. 6 x 7 = 42



SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

50. (2) All mothers are women. All women are people.



- 51. (1) Value "in exchange" is the relative proportion with which this commodity exchanges for another commodity (in other words, its price in the case of money).
- 52. (3) The Planning Commission was set up on 15 March 1950, with Prime Minister Jawaharlal Nehru as the chairman.
- 53. (1) The Green Revolution refers to the increase in food production and in production of non-food items that has significantly and steadily taken place in India since 1966.
- 54. (2) As per the Constitution, the commission is appointed every five years and consists of a chairman and four other members.
- (3) Reserve Bank of India was nationalised in the year 1949.
- 56. (2) Dp. Sachchidanand Sinha was the first president (temporary chairman) of the Constituent Assembly when it met on December 9, 1946. Dr. Rajendra Prasad then became the President of the Constituent Assembly.
- 57. (1) In political science, an intiative (also known as a popular or citizens' initiative) is a means by which a petition signed by a certain minimum number of registered voters can force a public vote (plebiscite).
- **58.** (3) The Fundamental Duties of citizens were added to the Constitution by the 42nd Amendment in 1976, upon the recommendations of the Swarna Singh Committee.

- **59.** (4) The Supreme Court of India is vested with the authority to interpret the Constitution and ensure that laws adhere to the spirit and letter of the Constitution.
- **60.** (1) state is the conceptual unit of politics, the most inclusive organisation in any society that is recognised as having final say.
- 61. (2) He was defeated by the emperor of India, Chandragupta Maurya and accepted a matrimony alliance for 500 elephants after ceding the territories considered as part of India.
- **62.** (1) The most striking feature of the Indus valley civilization was' found that emphasis on the organization of everyday civic life.
- 63. (3) In their own sphere of influence the Portuguese. Dutch and French banned Sati but efforts to stamp out Sati were formalised only under Lord William Bentinck.
- 64. (3) Meera, a Rajput princess was born in Kudki (Kurki), a little village near Merta City, which is presently in the Nagaur district of Rajasthan in northwest India.
- **65.** (1) After the death of Alexander, Seleucus was nominated as the satrap of Babylon in 320 BC.
- 66. (3) Thar Express is an international train that connects Karachi, Pakistan to Bhagat Ki Kothi, India.
- 67. (3) All beverage alcohol and much of that used in industry is formed through fermentation of a variety of products including grain such as corn, potato mashes. fruit juices, and beet and cane sugar molasses.
- 68. (2) The city is situated between the southern bank of the Brahmaputra river and the foothills of the Shillong plateau.
- 69. (2) Kanchenjunga is the third highest mountain in the world,

located along the India-Nepal border in the Himalayas.

- 70. (3) It shares international borders with Bhutan in the west, Burma in the east and the People's Republic of China in the north.
- 71. (3) Chlorophyll is a green pigment found in almost all plants, algae, and cyanobacteria.
- 72. (4) The edible portion is swollen leaves with a bit of stem.
- **73.** (4) Although those with AB blood type may be referred to as universal recipients, in actuality, type AB+ blood is that of the universal recipient, whereas type AB- is not.
- 74. (3) The normal core body temperature of a healthy, resting adult human being is stated to be at 98.6 degrees Fahrenheit or 37.0 degrees Celsius,
- 75. (1) The Rock Dove (Columba livia) or Rock Pigeon is a member of the bird family Columbidae (doves and pigeons).
- 76. (4) Many of a bird's bones are pneumatic, with struts across their hollow interiors to provide a combination of light weight and strength as an adaptation to flying.
- 77. (3) Nuclear fusion is the process by which two or more atomic nuclei join together, or "fuse", to form a single heavier nucleus.
- (2) The ball will float on mereury because of different densities.
- 79. (1) The human ear can respond to minute pressure variations in the air if they are in the audible frequency range, roughly 20 Hz - 20 kHz.
- (2) Fats have the highest amount of energy per gram of consumption.
- 82. (1) Pure or a distilled form of water is a bad conductor of electricity because in pure form of water there are no free ions
- 83. (3) The National Chemical Laboratory (NCL) is an Indian government laboratory based in Pune, in western India.

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

- 84. (2) Among the metals most commonly used for plating are zinc, nickel, chromium, cadmium, copper, silver, and gold.
- 85. (4) The U.S. Department of Health and Human Services states that some Polycyclic hydrocarbons may be carcinogens in humans and animals and can cause harmful effects on skin and the auto-immune system.
- 86. (1) Calcium hypochlorite is used for the disinfection of drinking water or swimming pool water.
- 87. (3) In the past, the distinction between X-rays and gamma rays was based on energy (or equivalently frequency or wavelength), with gamma rays being considered a higher-energy version of X-rays.
- 88. (3) This layer absorbs 97–99% of the Sun's high frequency ultraviolet light, which potentially damages the life forms on Earth.
- **89.** (3) Computer data storage, often called storage or memory, refers to computer components and recording media that retain digital data.
- **91.** (1) Simpson discovered the anaesthetic properties of chloroform and successfully introduced it for general medical use.
- 92. (4) The 2011 Nobel Prize in Chemistry was awarded to Dan Shechtman "for the discovery of Quasicrystal".
- **93.** (2) The win at the Buddh International Circuit (BIC) was Vettel's 11th win this year and put him on course to equal the record for the most number of wins in one F1 season.
- 94. (2) Kuchipudi is a Classical Indian dance form Andhra Pradesh, Iridia.
- **95.** (4) He was an Indian Bengali filmmaker. He is regarded as one of the greatest auteurs of 20th century cinema.
- **96.** (3) The data reflects that 18.62% of the country's rural

population lives in Uttar Pradesh and 13.48% urban population lives in Maharashtra.

- **97.** (2) The National Old Age Pension Scheme provides a pension for the elderly who live below the poverty line.
- 98. (2) The Department of Atomic Energy (DAE) has estimated uranium reserves of the mine at 150,000 tonnes, which are one of the largest in the world.
- 99. (4) Rongali Bihu (mid-April, also called Bohag Bihu), the most popular Bihu celebrates the onset of the Assamese New Year
- 100. (2) With around 600000 inhabitants, Sikkim is the least populous state in India and the second-smallest state after Goa in total area.

101. (3) Given.
$$\sqrt{4096} = 64$$

 $\therefore \sqrt{40.96} + \sqrt{0.4095} + \sqrt{0.0004096}$
 $= 6.4 + 0.64 + 0.064 + 0.0064$
 $= 7.1104$
102. (1) $\frac{1}{15} + \frac{1}{35} + \frac{1}{63} + \frac{1}{99} + \frac{1}{143}$
 $= \frac{1}{3 \times 5} \times \frac{1}{5 \times 7} + \frac{1}{7 \times 9} + \frac{1}{9 \times 11} + \frac{1}{11 \times 13}$
 $= \frac{1}{2} (\frac{1}{3} - \frac{1}{5} + \frac{1}{5} - \frac{1}{7} + \frac{1}{7} - \frac{1}{9} + \frac{1}{9} - \frac{1}{11} + \frac{1}{11} - \frac{1}{13})$
 $= \frac{1}{2} (\frac{1}{3} - \frac{1}{13}) = \frac{1}{2} (\frac{13 - 3}{39}) = \frac{5}{35}$
103. (4) $(256)^{-1} (4^{-\frac{3}{2}}) = (256)^{-1} (\frac{1}{4^{3/2}})^{-1}$
 $= (256)^{-\frac{1}{8}} = \frac{1}{(256)^{\frac{1}{8}}} = \frac{1}{(2^{\frac{1}{8}})^{\frac{1}{8}}} = \frac{1}{2}$
104. (4) $2.52^{-\frac{52}{99}} = \frac{250}{99}$

105. (1) $\sqrt{x} = \sqrt[3]{y}$ $\Rightarrow x^{\frac{1}{2}} = u^{\frac{1}{3}}$ $\Rightarrow (x^{\frac{1}{2}})^6 = (u^{\frac{1}{3}})^6$ $\Rightarrow x^3 = y^2$ 106. (4) B's 1 day's work $=\frac{1}{12}$ $\frac{1}{20}$ $=\frac{5-3}{60}$ $=\frac{1}{30}$ $\therefore B's \frac{1}{2} \text{ day's work } = \frac{1}{60}$: (A + B)'s 1 day's work $= \frac{1}{20} + \frac{1}{60} = \frac{3+1}{60} = \frac{1}{15}$ B works for half day daily ... The work will be completed in 15 days. **107.** (3) $A : B = D_2 : D_1$ \Rightarrow 100 : 140 = D₂ : 70 $\Rightarrow 100 \times 70 = 140 \times D_2$ $\Rightarrow D_2 = \frac{100 \times 70}{140} = 50 \text{ days.}$ 108. (1) If the radius of the hemisphere be r units, then height of cylinder and cone = r units .: Required ratio $=\pi r^{2}h:2\pi r^{3}:\frac{1}{3}\pi r^{2}h$ $=\pi r^{3}:2\pi r^{3}:\frac{1}{3}\pi r^{3}$ = 3:6:1 109. (3) If the radius of the new cylinder be R then, $2\pi r^2 h = \pi R^2 h$ $\Rightarrow R^2 = 2r^2 \Rightarrow R = \sqrt{2r}$ 110. (3) Volume of the pyramid $=\frac{1}{3}$ × height × area of the base $=\frac{1}{2} \times 10 \times 57 = 190$ cu.cm. 111. (4) If the length of the edge of cube be x cm, then diagonal = $\sqrt{3x}$ cm $\therefore \sqrt{3}x = 8\sqrt{3} \Rightarrow x = 8 \text{ cm}$

Like our Facebook page http://www.facebook.com/guide4bankexamspage for Daily Updates

.: Required sum

= 250 + 99 = 349

... Surface area of the cube 116.(3) Let the marked price be 122. (2) If the cost price of article $= 6x^2$ Rs. x. be Rs. x then =6×8×8 $500 \times 90 = x \times 120$ $\therefore x \times \frac{84}{100} = \frac{1200 \times 112}{100}$ = 384 sq. cm 112. (2) Side of square = $\sqrt{2}$ metre $\Rightarrow x \times \frac{84}{100} = 112 \times 12$ $\Rightarrow 450 = \frac{6x}{5}$ Radius of in-circle $\Rightarrow 6x = 5 \times 450$ $=\frac{\sqrt{2}}{2}=\frac{1}{\sqrt{2}}$ metre $\Rightarrow x = \frac{112 \times 1200}{84} = \text{Rs.1600}$ $\Rightarrow x = \frac{5 \times 450}{6} = \text{Rs. 375}$ **117.** (1) $y: x = 4: 15 \Rightarrow x: y = 15: 4$ Area of the circle = πr^2 By componendo and divi-123. (1) (A' + B) × 40 100 $=\pi \times \frac{1}{2} = \frac{\pi}{2}$ sq. metre. dendo. $\frac{x-y}{x+y} = \frac{15-4}{15+4} = \frac{11}{19}$ 113. (3) If the side of the equilater- $= (A - B) \times \frac{60}{100}$ al triangle be x units, then. 118.(2) Let the original number of \Rightarrow 2 (A + B) = 3 (A - B) carpenters be x. \Rightarrow 2A + 2B = 3A - 3B $3x = \sqrt{3} \left(\frac{\sqrt{3}}{4} x^2 \right)$ $\mathbf{M}_1 \mathbf{D}_1 = \mathbf{M}_2 \mathbf{D}_2$ $\Rightarrow A = 5B$ $\Rightarrow x \times 9 = (x - 5) \times 12$ $\therefore \frac{2A-3B}{A+B} = \frac{10B-3B}{5B+B}$ \Rightarrow 9x = 12x - 60 $\Rightarrow 3x = \frac{3x^2}{4}$ \Rightarrow 3x=60 \Rightarrow x=20 119. (2) Let the total distance be x $=\frac{7B}{6B}=\frac{7}{6}$ km. $\Rightarrow x = 4$ units 114. (3) If the side of the square be 124. (3) Required percentage in-Total time = $\frac{3}{25} + \frac{4}{30} + \frac{12}{50}$ x units, then crease diagonal = $\sqrt{2}x$ units $=\left(10+20+\frac{10\times20}{100}\right)$ % $=\frac{x}{75}+\frac{x}{120}+\frac{x}{120}$ \therefore Area of the square = x^2 and area of triangle = 32% $=\frac{x}{75} + \frac{x}{60} = \frac{4x + 5x}{300} = \frac{3x}{100}$ hours 125. (3) If the distance be x km, $=\frac{\sqrt{3}}{4}(\sqrt{2}x)^2$ then .: Average speed $\frac{x}{40} - \frac{x}{50} = \frac{6}{60}$ $=\frac{\sqrt{3x^2}}{2}$ sq. units Total distance Time taken $\Rightarrow \frac{x}{4} - \frac{x}{5} = 1$... Required ratio $=\frac{x}{3x}=\frac{100}{3}=33\frac{1}{3}$ kmph $=x^{2}:\frac{\sqrt{3}x^{2}}{2}$ $\Rightarrow x = 20$ km. ... Required time 120. (*) Sum of the numbers = 124 = 2: \sqrt{3} - $=\left(\frac{20}{40}\right)$ hour - 11 minutes If the larger number be x, then 115. (1) If the marked price be Rs. smaller number = 124 - xx and cost price be Rs. 100, $=\left(\frac{1}{2}\times60-11\right)$ minutes $\therefore \frac{124-x+2}{x} = \frac{1}{2}$ then. $\frac{x \times 75}{100} = 125$ $\Rightarrow 252 - 2x = x$ = 19 minutes \Rightarrow 3x = 252 \Rightarrow x = 84 126. (4) Height of tree after 1 year $\Rightarrow x = \frac{125 \times 100}{75} = \text{Rs.} \frac{500}{3}$:: Smaller number $=64+64\times\frac{1}{8}=72$ cm = 124 - 84 = 40S.P. after a discount of .10% :. Difference = 84 - 40 = 44 Height of tree after 2 years $=\frac{500}{3} \times \frac{90}{100} = \text{Rs.}150$ 121. (2) Percentage profit $= 72 + 72 \times \frac{1}{8}$ $=\frac{25-20}{20}$ × 100 = 25% A Gain per cent = 50% = 72 + 9 = 81 cm

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM 127. (1) 2x+3 = 32 = 25 **137.** (2) $\tan (2\theta + 45^\circ) = \cot 3\theta$ 134. (2) Pr $\Rightarrow x+3=5 \Rightarrow x=5-3=2$ $= \tan (90^\circ - 3\theta)$ $\therefore 3^{x+1} = 3^3 = 27$ $\Rightarrow 2\theta + 45^\circ = 90^\circ - 3\theta$ $\Rightarrow 5\theta = 90^\circ - 45^\circ = 45^\circ$ **128.** (2) $x + \frac{1}{x} = 2$ $\therefore \theta = 9^{\circ}$ 138. (2) AB = Length of the thred = $\Rightarrow x^2 + 1 = 2x \Rightarrow x^2 - 2x + 1 = 0$ 150 metre $\Rightarrow (x-1)^2 = 0$ XP = XR $\angle BAC = 60^{\circ}$ $\Rightarrow x = 1$ $\therefore \angle XPR = \angle XRP$ $\therefore x^2 + \frac{1}{x^3} = 1 + 1 = 2$ If $\angle PSX = \angle RQX$, в then, PS = RQ 150 metre 135. (2) D, is the mid-point of side **129.** (1) $\frac{a}{b} + \frac{b}{a} = 1$ BC. Point O is the centroid that $\Rightarrow \frac{a^2 + b^2}{ab} = 1$ divides AD in the ratio 2 : 1. 60° $\Rightarrow a^2 + b^2 = ab$ $\Rightarrow a^2 + b^2 - ab = 0$ In AABC, $\therefore a^3 + b^3$ $\sin 60^\circ = \frac{BC}{AB} \Rightarrow \frac{\sqrt{3}}{2} = \frac{BC}{150}$ $= (a + b) (a^2 - ab + b^2) = 0$ **130**. (2) $a^2 + b^2 + c^2 + 3$ = 2a + 2b + 2c $\Rightarrow a^2 - 2a + 1 + b^2 - 2b + 1 + c^2$ $\Rightarrow BC = 150 \times \frac{\sqrt{3}}{2} = 75\sqrt{3}$ metre -2c+1=0.. OD = 5 cm. $\Rightarrow (a-1)^2 + (b-1)^2 + (c-1)^2$ =0 **139.** (2) $\cos\theta = \frac{15}{17}$ 136. (3) $\Rightarrow a - 1 = 0 \Rightarrow a = 1;$ $b-1=0 \Rightarrow b=1$ $\Rightarrow \sec\theta = \frac{1}{\cos\theta} = \frac{17}{15}$ and, $c-1=0 \Rightarrow c=1$ $\therefore a+b+c=3$ $\therefore \cot (90^\circ - \theta) = \tan \theta$ **131.** (3) $\frac{2p}{p^2 - 2p + 1} = \frac{1}{4}$ $=\sqrt{\sec^2\theta}-1$ $\Rightarrow \frac{p^2 - 2p + 1}{2p} = 4$ $=\sqrt{\left(\frac{17}{15}\right)^2 - 1} = \sqrt{\frac{289}{225} - 1}$ In AABC, $\angle A = x, \angle B = y; \angle C = z$ In APBC, $\Rightarrow \frac{p^2 - 2p + 1}{p} = 8$ $=\sqrt{\frac{289-225}{225}}=\sqrt{\frac{64}{225}}=\frac{8}{15}$ $\angle PBC + \angle PCB + \angle BPC = 180^{\circ}$ $\Rightarrow \frac{1}{2} \angle \dot{EBC} + \frac{1}{2} \angle FCB + \dot{EBC} + \frac{1}{2} \angle FCB + \dot{EBC} + \dot{$ **140.** (1) $\sec^2\theta - \tan^2\theta = 1$ $\Rightarrow \frac{p^2}{p} - \frac{2p}{p} + \frac{1}{p} = 8^{\circ} \bigcirc$ ∠BPC $\sec^2\theta + \tan^2\theta = \frac{7}{12}$ = 180° $\Rightarrow p + \frac{1}{p} = 8 + 2 = 10$ $\therefore \sec^4\theta - \tan^4\theta$ $\Rightarrow \angle EBC + \angle FCB + 2 \angle BPC$ = $(\sec^2\theta - \tan^2\theta)$ $(\sec^2\theta + \tan^2\theta)$ = 360° 133. (3) Sum of angles of a triangle $\Rightarrow (180^{\circ} - y) + (180^{\circ} - z) + 2$ $=1\times\frac{7}{12}=\frac{7}{12}$ = 180° ∠BPC = 360° x + 5 + 2x - 3 + 3x + 4 \Rightarrow 360° - (y + z) + 2 \angle BPC = 360° $141.(1)\cos x + \cos y = 2$ = 180° $\Rightarrow 2 \angle BPC = y + z$ $\therefore \cos x \leq 1$ $\Rightarrow 6x + 6 = 180^{\circ}$ $\Rightarrow 2\angle BPC = 180^{\circ} - x$ $\Rightarrow \cos x = 1; \cos y = 1$ $\Rightarrow 6x = 180 - 6 = 174^{\circ}$ = 180° - ∠BAC $\Rightarrow x = y = 0^{\circ}$ $\therefore \sin x + \sin y = 0$ $\Rightarrow x = \frac{174}{6} = 29$ $\therefore \angle BPC = 90^{\circ} - \frac{1}{2} \angle BAC$ 142. (2) Required ratio = 144 : 36 = 4 : 1 ~= 90° - 50° = 40°

SOLVED PAPER : FCI ASSISTANT GRADE-III EXAM

143. (1) Required percentage = $\frac{18 + 108}{100} \times 100 = 35\%$

- 360 144. (4) Difference in the angles allotted for green zone and commercial purpose = 108 - 54 = 54°
 - : 360° = 5 acres

$$\therefore 54^\circ = \frac{5}{360} \times 54 = \frac{3}{4} \text{ acres}$$

$$= \frac{5}{360} \times 198 = \frac{11}{4} \operatorname{acres}$$

$$=2\frac{3}{4}$$
 acres

146. (1) In 1997,
Gross profit = Rs. 50 lakh
Net profit = Rs. 25 lakh
147. (3) Required percentage

$$=\frac{15}{40}\times100=37.5\%$$

148. (4) Required difference

$$= \text{Rs.}\frac{1}{4}$$
 (20 + 25 + 20 + 25) lakh

$$=\frac{1}{4} \times 90 = \text{Rs.} 22.5 \text{ lakh}$$

149. (1) Gross profit : net profit Year $1994 \Rightarrow 3:1$ Year $1995 \Rightarrow 40:15 = 8:3$ Year $1996 \Rightarrow 45:25 = 9:5$ Year $1997 \Rightarrow 50:25 = 2:1$

150. (3) Required ratio

- = 165:.75 = 1.1:5 151. (2) After either of, each of and neither of, plural subject is used, but the verb is singular. Hence, **is** should be used here.
- 152. (1) If a pronoun (I, we, you, he, she, it etc) comes before a Gerund (-ing form), then it is in the form of possessive adjective (my, our, your, his, her, its etc). Hence, Due to my being a new comer should be used here.
- 153. (3) Here, that of any other newspaper should be used.

- 154. (2) Here, there were more beautiful flowers......should be used. Use of article 'the' is not proper.
 155. (2) Here, describes should be used. Use of preposition 'about' is superfluous.
 156. (2) Look at the sentence. The fact is too evident to require proof. Here, 'too' means : more than required. too + adjective + to gives a negative sense.
 161. (4) The word Magnificent (Ad-
- 161. (4) The word Magnificent (Adjective) means : extremely attractive and impressive; deserving praise; splendid.

Look at the sentence : The Taj Mahal is a magnificent building.

- 162. (3) The word Spirited (Adjective) means : full of energy. determination or courage; enthusiastic.
 - Look at the sentence : She put up a spirited defence in the final game.
- 163. (3) The word Gloomy (Adjective) means : depressing; nearly dark or badly lit in a way that makes you feel sad; glum; murky.

Look at the sentences : It was a wet and gloomy day. Suddenly the future didnot look so gloomy after all.

- 164. (2) The word Grumble (Verb) fneans : to complain about somebody/something in a badtempered way.
 - Look at the sentences : She is always grumbling to me about how badly she is treated at work.
- 165. (1) The word Crude (Adjective) means : unrefined; vulgar; simple and not very accu-, rate.
- 166.(3) The word **Detest (Verb)** means : to hate somebody/ something very much; loathe; dislike.

Look at the sentence : They detested each other on sight. Its antonym should be like.

- 167. (1) The word Intentional (Adjective) means : done deliberately; deliberate; intended. The word Accidental (Adjective) means : happening by chance; not planned.
- 168. (3) The word Commence (Verb) means : to begin something: start.

The word **Conclude (Verb)** means : to come to an end; to bring something to an end.

- 169, (1) The words **Expand** and **Contract** are antonymous.
- 170. (3) The word **Prosperity** (Noun) means : the state of being successful, especially in making money; affluence.

The word **Adversity (Noun)** means : a difficult or unpleasant situation.

- Look at the sentences : Our future prosperity depends on economic growth. He overcame many personal adversities.
- 171. (1) Idiom speak your mind means: to say exactly what you think, in a very direct way.
- 172. (2) Idiom make a mountain out of a molehill means : to make an unimportant matter seem important.
- 173. (1) Idiom hand in glove means : working closely with somebody, especially in a secret and/ or illegal way.
- 174. (2) Idiom add fuel to the fire means : a thing that is done that makes something (an argument) get worse.
- 175. (2) Idiom wear and tear means the damage to objects, furniture, property etc. that is the result of normal use.
 - Look at the sentence : The insurance policy does not cover damage caused by normal wear amd tear.

We are at Facebook. Please Don't forget to LIKE us there ③



http://www.facebook.com/Guide4BankExamsPage

Thank You