Student Bounty.com ARCHITECTUR 2013

AR:ARCHITECTURE AND PLANNING

Duration: Three Hours Maximum Marks:100

Please read the following instructions carefully:

General Instructions:

- 1. Total duration of examination is 180 minutes (3 hours).
- 2. The clock will be set at the server. The countdown timer in the top right corner of screen will display the remaining time available for you to complete the examination. When the timer reaches zero, the examination will end by itself. You will not be required to end or submit your examination.
- 3. The Question Palette displayed on the right side of screen will show the status of each question using one of the following symbols:

You have not visited the question yet. You have not answered the question. You have answered the question. You have NOT answered the question, but have marked the question for review. You have answered the question, but marked it for review.

The Marked for Review status for a question simply indicates that you would like to look at that question again. If a question is answered and Marked for Review, your answer for that question will be considered in the evaluation.

Navigating to a Question

- 4. To answer a question, do the following:
 - Click on the question number in the Question Palette to go to that question directly.
 - Select an answer for a multiple choice type question. Use the virtual numeric keypad to enter a number as answer for a numerical type question.
 - Click on Save and Next to save your answer for the current question and then go to the next question.
 - Click on Mark for Review and Next to save your answer for the current question, mark it for review, and then go to the next question.
 - Caution: Note that your answer for the current question will not be saved, if you navigate to another question directly by clicking on its question number.
- 5. You can view all the questions by clicking on the **Question Paper** button. Note that the options for multiple choice type questions will not be shown.

2013 ARCHITECTUR AR

Answering a Question

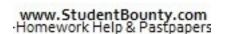
- 6. Procedure for answering a multiple choice type question:
 - a. To select your answer, click on the button of one of the options
 - b. To deselect your chosen answer, click on the button of the chosen option again or click on **Clear Response** button
 - c. To change your chosen answer, click on the button of another option
 - d. To save your answer, you MUST click on the **Save and Next** button
 - e. To mark the question for review, click on the Mark for Review and Nextbutton. If an answer is selected for a question that is Marked for Review, that answer will be considered in the evaluation.
- 7. Procedure for answering a numerical answer type question:
 - a. To enter a number as your answer, use the virtual numerical keypad
 - b. A fraction (eg.,-0.3 or -.3) can be entered as an answer with or without '0' before the decimal point
 - c. To clear your answer, click on the Clear Response button
 - d. To save your answer, you MUST click on the Save and Nextbutton
 - e. To mark the question for review, click on the Mark for Review and Nextbutton. If an answer is entered for a question that is Marked for Review, that answer will be considered in the evaluation.
- 8. To change your answer to a question that has already been answered, first select that question for answering and then follow the procedure for answering that type of question.
- 9. Note that ONLY Questions for which answers are saved or marked for review after answering will be considered for evaluation.

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Paper specific instructions:

etudentBounty.com 1. There are a total of 65 questions carrying 100 marks. Questions are of multiple choice numerical answer type. A multiple choice type question will have four choices for the answer only one correct choice. For numerical answer type questions, the answer is a number and no choice will be given. A number as the answer should be entered using the virtual keyboard on the monitor.

- 2. Questions Q.1 Q.25 carry 1mark each. Questions Q.26 Q.55 carry 2marks each. The 2marks questions include two pairs of common data questions and two pairs of linked answer questions. The answer to the second question of the linked answer questions depends on the answer to the first question of the pair. If the first question in the linked pair is wrongly answered or is not attempted, then the answer to the second question in the pair will not be evaluated.
- 3. Questions Q.56 Q.65 belong to General Aptitude (GA) section and carry a total of 15 marks. Questions Q.56 – Q.60 carry 1 mark each, and questions Q.61 – Q.65 carry 2 marks each.
- 4. Questions not attempted will result in zero mark. Wrong answers for multiple choice type questions will result in **NEGATIVE** marks. For all 1 mark questions, ½ mark will be deducted for each wrong answer. For all 2 marks questions, $\frac{3}{3}$ mark will be deducted for each wrong answer. However, in the case of the linked answer question pair, there will be negative marks only for wrong answer to the first question and no negative marks for wrong answer to the second question. There is no negative marking for questions of numerical answer type.
- 5. Calculator is allowed. Charts, graph sheets or tables are **NOT** allowed in the examination hall.
- 6. Do the rough work in the Scribble Pad provided.



Q. 1 – Q. 25 carry one mark each.

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Q. 1 –	Q. 25 carry one i	nark each.		Tage
Q.1	In case of residentia	l apartments, the effecti	ve floor area available for	ARCHITECTUR – AR use within an apartment, is
	(A) Carpet Area(C) Plinth Area		(B) Built-up Area (D) Super Built-up A	Area
Q.2	Star Rating of an A	ir Conditioner is determ	nined by its	
	(A) Power Consum(C) Cooling Capaci		(B) Energy Efficience(D) Power of Compr	
Q.3	V7 concept given by	Le Corbusier refers to		20 10
	(A) Neighbourhood(C) Architecture De	•	(B) Housing Typolog (D) Hierarchy of Roa	
Q.4	In AUTOCAD, a lin is known as	ne of infinite length in the	ne direction defined by sta	rting point and through point,
	(A) RAY	(B) LINE	(C) PLINE	(D) XLINE
Q.5	Orbit Tower built at	the London Olympic P	ark has been designed by	190
	(A) Foster & Partne(C) Zaha Hadid & A		(B) Anish Kapoor &(D) Richard Rogers of	
Q.6	As per National Bui	lding Code 2005, the m	inimum size of a habitable	e room in m ² is
	(A) 9.5	(B) 10.5	(C) 11.5	(D) 12.5
Q.7	The urban form of S	rirangam town in Tami	l Nadu refers to	
	(A) Dandaka	(B) Swastika	(C) Nandyavarta	(D) Sarvotabhadra
Q.8	PMGSY, a program	me of Government of I	ndia, deals with	
-	(A) Urban Employr(C) Rural Electrification		(B) Rural Employme(D) Rural Road Deve	
Q.9	Beam or lowest divi known as	sion of the entablature v	which extends from colum	nn to column, is
- /	(A) Arabesque	(B) Arcade	(C) Architrave	(D) Arbour
Q.10	The information that	t is NOT essential to be	submitted for sanction of	any building plan is
	(A) Site Plan	(B) Floor Plans	(C) Title Deed	(D) Land Cost
Q.11	The tendency of an a	ecosystem to maintain i	ts balance by regulatory m	nechanisms when disrupted, is
	(A) Homeostasis	(B) Entropy	(C) Succession	(D) Evolution
Q.12	Gantt Chart DOES	NOT provide information	on about	
	(A) List of Jobs(C) Interdependence	y of Jobs	(B) Duration of Jobs(D) Progress of World	

2013 ARCHITECTUR A

Q.13	If threshold of hearing studio is 100 times the	g has a sound level of a threshold of hearing, its	zero valu	decibels and the so e in decibels would	ound be	level in a 100
	(A) 0	(B) 10	(C)	20	(D)	100
Q.14	The width to height rat	io of the front facade of	Partl	nenon (without the p	edin	nent) is
	(A) 9:4	(B) 4:9	(C)	1:1.618	(D)	1.618:1
Q.15	The face of an Icosahe	dron is				
	(A) Equilateral Triang(C) Square	le		Isosceles Triangle Pentagon		-28
Q.16	The term 'Zeitgist', use	ed in contemporary archi	itectu	ire, refers to		15
	(A) Iconicity	(B) Spirit of Times	(C)	Kinesthetics	(D)	Semantic Associations
Q.17	Alhambra, a UNESCO	world heritage site, is cl	lassif	ied as an example o	of	700
	(A) Moorish Architect(C) Mozarabic Architect			Mudejar Architect Tudor Architecture		100
Q.18	Wythenshawe and Bec	ontree are examples of	1	A 1	Ŋ	
	(A) Factory Town(C) Garden City			Satellite Town Vertical Neighbor	nood	
Q.19	National Ceremonial P	laza at Thimpu in Bhuta	n has	been designed by		
	(A) Christopher Charle(C) Karan Grover	es Benninger		Charles Correa I. M. Pei		
Q.20	Physiochemical proce sewage is known as	ss of removing micro-	orgai	nisms, colour and	turbi	idity from sullage and
	(A) Putrefaction(C) Liquefaction	45	` ′	Clarification Infiltration		
Q.21	Identify which is NOT	'a green building rating	syste	m		
-40	(A) LEED	(B) CASBEE	(C)	ENERGY BUILD	(D) BREEAM
Q.22	In 3DS Max, smooth 3	D surfaces, by blending	a ser	ies of selected shap	e cur	ves, can be created by
1	(A) Lofting	(B) Sweeping	(C)	Filleting	(D)	Extruding
Q.23	Travel behavior charac	eteristics of an urban area	a can	be derived from		
	(A) Parking Survey			Demographic Surv	-	
	(C) Socio Economic S	urvey	(D)	Origin & Destinati	on S	urvey
Q.24	In GIS, the set of entiti	es representing vector da	ata ty	pe is		
	(A) Point, Line, Polyg(C) DEM, DSM, DTM			Pixel, Voxel Coordinates, Eleva	ntion	Slone
0.25			(1)	Cordinates, Dieve		, ~op•
Q.25	A common flowering s (A) Tectona grandis	(B) Mimusops elengi	(C) Dalbergia sisso	(D)	Ixora coccinea
	()	(=) 1.1111000 po 0101151	(~	,	(-)	

Q. 26 to Q. 55 carry two marks each.

- SHIID OUNTY. COM The correct arrangement of the height of towers given below in **descending** order is Q.26
 - P. Burj Khalifa, Dubai
 - Q. Petronas Tower, Kuala Lumpur
 - R. Taipei 101, Taiwan
 - S. Bank of China Tower, Hong Kong
 - (A) P, Q, R, S

(B) P, Q, S, R

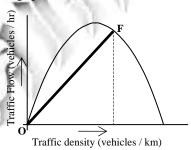
(C) P, R, S, Q

- (D) P, R, Q, S
- Q.27 Match the buildings in **Group I** with their corresponding architects in **Group II**

Group I

- P. Khalsa Heritage Complex, Anandpur Sahib
- Q. Lisbon Ismaili Centre, Lisbon
- R. Neuroscience Centre, Cambridge, USA
- S. National Centre for Performing Arts, Mumbai
- (A) P-2, Q-5, R-1, S-4
- (C) P-4, Q-2, R-1, S-3

- **Group II**
- Philip Johnson
- 2. Charles Correa
- 3. Rai Rewal
- 4. B. V. Doshi
- Moshe Safdie
- P-5, Q-3, R-2,
- (D) P-5, Q-2, R-1, S
- 0.28The term 'Working head' in context of water supply system means
 - (A) Height of a body of water falling freely under the force of gravity to acquire a certain velocity
 - (B) Rate of increase of velocity with respect to distance normal to the direction of flow
 - (C) Total head with deduction for velocity head or losses
 - (D) Difference between supply and delivery water levels
- In a theoretical traffic flow relationship, as shown in the figure given below, 0.29 the slope of line **OF** joining point **F** on the curve and the origin **O** represents



- (A) Corresponding space mean speed
- (C) Travel time at corresponding density
- (B) Speed at maximum flow
- (D) Average headway at corresponding flow
- Q.30 Match the CAD terms in **Group I** with their corresponding functions in **Group II**

Group I

- P. Tiled viewport
- Q. UCS
- R. DXF
- S. Extrude
- (A) P-4, Q-3, R-2, S-1
- (C) P-5, Q-3, R-4, S-2

Group II

- 1. Boolean operator
- 2. Solid model
- 3. Coordinate system
- 4. Drawing interchange format
- 5. Model space
- (B) P-2, Q-5, R-2, S-1
- (D) P-3, Q-5, R-4, S-2

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Q.31 Match the historic periods in **Group I** with their corresponding examples of towns in **G**

Group I

- P. Egyptian
- O. Greek
- R. Medieval
- S. Renaissance
- (A) P-3, Q-1, R-2, S-4
- (C) P-4, Q-1, R-5, S-2

Group II

- 1. Miletus
- 2. Montpazier
- 3. Kahun
- 4. Versailles
- 5. Timgad
- (B) P-3, Q-1, R-4, S-5
- (D) P-5, Q-1, R-3, S-2

Q.32 Match the components of an Indian urban land use map in Group I with their corresponding colour codes as per UDPFI guidelines in Group II

Group I

- P. Public / Semipublic
- Q. Industry
- R. Transportation
- S. Commercial
- (A) P-1, Q-3, R-2, S-5
- (C) P-3, Q-4, R-5, S-2

Group II

- 1. Violet
- 2. Grev
- 3. Red
- 4. Blue
- 5. Yellow
- (B) P-2, Q-1, R-3, S
- (D) P-3, Q-1, R-2, S
- 0.33 Match the books in **Group I** with their corresponding authors in **Group II**

Group I

- P. Design of Cities
- Q. On the Cultural Origin of Settlements
- R. Urbanization and National Development
- S. Planning Theory
- (A) P-3, Q-4, R-1, S-5
- (C) P-4, Q-3, R-5, S-2

Group II

- 1. Amos Rapoport
- 2. Leo Jacobson and Ved Prakash
- 3. Edmond Bacon
- 4. Christopher Alexander
- 5. Andreas Faludi
- (B) P-3, Q-1, R-2, S-5
- (D) P-3, Q-4, R-1, S-2
- Match the temples in Group I with their corresponding historical periods in Group II 0.34

Group I

- P. Vaikuntha Perumal Temple, Kancheepuram
- Q. Meenakshi Temple, Madurai
- R. Durga Temple, Aihole
- S. Brihadeshwara Temple, Thanjavur
- (A) P-2, Q-3, R-5, S-1
- (C) P-3, O-5, R-2, S-1

Group II

- 1. Vijaynagara
- 2. Chalukya
- 3. Chola
- 4. Pandya
- 5. Pallava
- (B) P-5, Q-1, R-4, S-3
- (D) P-5, O-4, R-2, S-3
- Q.35 Match the theories in **Group I** with their corresponding propagators in **Group II**

Group I

- P. Choice theory of planning
- Q. Connurbation
- R. Classical theory of land use
- S. Central place theory
- (A) P-2, Q-3, R-5, S-1
- (C) P-4, Q-3, R-5, S-2

Group II

- 1. Paul Davidoff and T.A. Reiner
- 2. Patrick Geddes
- 3. Homer Hoyt
- 4. Richard L. Meier
- 5. Walter Christaller
- (B) P-1, Q-2, R-4, S-5
- (D) P-5, Q-4, R-3, S-2

Match the buildings in **Group I** with their corresponding structural feature in **Group I** Q.36

Group I

- P. Yokohama Port Terminal, Yokohama
- Q. Stanstead Airport, London
- R. TWA Terminal, New York
- S. Montreal Biosphere, Montreal
- (A) P-4, Q-3, R-2, S-1
- (C) P-4, Q-3, R-5, S-2

Group II

- 1. Geodesic Dome
- 2. Shell Structure
- 3. Space Frame
- 4. Folded Steel Plate Structure
- 5. Pneumatic Structure
- (B) P-2, Q-1, R-3, S-4
- (D) P-5, Q-3, R-4, S-2
- 0.37Match the Five Year Plans listed under **Group I** with their corresponding feature from **Group II**

Group I

- P. First Five Year Plan
- O. Fourth Five Year Plan
- R. Seventh Five Year Plan
- S. Tenth Five Year Plan
- (A) P-5,Q-2,R-4,S-3
- (C) P-4,Q-1, R-2, S-5

Group II

- 1. Formation of HUDCO
- 2. Establishment of TCPO
- 3. Introduction of JNNURM
- 4. Announcement of National Housing Policy
- 5. Passing of Urban Land Ceiling and Regulation Act
 - (B) P-2,Q-1,R-4,S-3
 - (D) P-1,Q-2,R-3,S-5
- Match the landscape designers listed under Group I with their appropriate contribution from 0.38 **Group II**

Group I

- P. Lancelot 'Capability' Brown
- Q. Andre Le Notre
- R. Joseph Paxton
- S. Frederick Law Olmstead
- (A) P-3,Q-1, R-4, S-2
- (C) P-3,Q-1, R-2, S-5

Group II

- The Well-tempered Garden
- Kew Garden
- Versailles Garden
- Crystal Palace
- Central Park
- (B) P-5, Q-3, R-4, S-2
- (D) P-2,O-3, R-4, S-5
- Match the organism type from Group I with the appropriate example from Group II Q.39

Group I

- P. Autotroph
- Q. Heterotroph
- R. Chemotroph
- Saprophyte
- (A) P-5, Q-4, R-1, S-2
- (C) P-1, Q-2, R-4, S-5

- Group II
- 1. Nitrifying Bacteria
- 2. Grasshopper
- 3. Grass
- 4. Vulture
- 5. Fungus
- (B) P-2, Q-1, R-5, S-4
- (D) P-3, Q-2, R-1, S-5
- Match the concepts in **Group I** with their corresponding authors in **Group II** 0.40

Group I

- P. Proxemics Theory
- Q. Serial Vision
- R. Urban Imageability
- S. Defensible Space
- (A) P-2, Q-1, R-5, S-3
- (C) P-4, Q-1, R-5, S-2

Group II

- 1. Gordon Cullen
- 2. Edward T. Hall
- 3. Oscar Newman
- 4. Paul Zucker
- 5. Kevin Lynch
- (B) P-2, Q-1, R-3, S-4
- (D) P-3, Q-5, R-2, S-1

If the area coverage of one sprinkler is 20 m², with a maximum and minimum spacing Q.41 1.8 m respectively, the minimum number of sprinklers required to be arranged in orthogonal grid to cover the area of a 15 m x 20 m room would be ___

Q.42 If the slope of a hipped roof is 60 degrees and height of the roof is 3 m, span of the room, in m, would be _____.

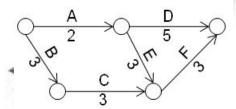
Volume of coarse aggregate in m³ present in 1.0 m³ of 1:1.5:3 concrete mix made by volume Q.43 batching is _____.

A tank of internal dimension 3 m x 5 m x 4 m (Length x Breadth x Height) has 200 mm thick brick wall on all sides. Volume of brickwork in m³ would be _

Flux emitted from a 1cd light source in all directions, in lumens, would be Q.45

50 Hectare of residential sector has 65% buildable area. The FAR of the buildable area is 1.5. Q.46 Within the residential sector, 60% of dwelling units are of area 100 m² each and 40% of the dwelling units are of area 80 m² each. The gross residential density, in dwelling units per Hectare, would be

In the given project network diagram, the total slack for job A in days would be _____.



Common Data Questions

Common Data for Questions 48 and 49:

The scale of a contour map is 1:10,000 and the contour interval is 5 m. Distance between two given points on the map is 2 cm and the elevation difference between the two given points is 10 m.

Q.48 The actual distance between the two given points in m would be

Q.47

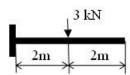
- (B) 20
- (C) 200
- (D) 2000

The slope between two given points in percentage is Q.49

- (A) 5
- (B) 10
- (C) 15
- (D) 20

Common Data for Questions 50 and 51:

SHIIDENT BOUNTY. COM A point load of 3kN acts at mid-span of a 4 m long cantilever beam as shown in figure bel



- O.50 Shearing force at free end in kN is
 - (A) 0
- (B) 3
- (C) 6
- (D) 12

- Q.51 Bending moment at mid-span in kNm is
 - (A) 0
- (B) 2
- (C) 4
- (D) 6

Linked Answer Questions

Statement for Linked Answer Questions 52 and 53:

Cost of a new building is Rs 10,00,000 and its scrap value after 50 years is Rs. 1,00,000 Using straight line method

- Q.52 The annual depreciation of the building in Rs. would be
 - (A) 10,000
- (B) 15,000
- (C) 18,000
- (D) 20,000

- Q.53 The book value after 10 years in Rs. would be
 - (A) 1,80,000
- (B) 3,60,000
- (C) 6,00,000
- (D) 8,20,000

Statement for Linked Answer Questions 54 and 55:

A room of size 100 m² is illuminated by 10 lamps of 40 W having a luminous efficacy of 50 lm/W.

- Total flux emitted by the lamps in lumens would be Q.54
 - (A) 2,000
- (B) 5,000
- (C) 10,000
- (D) 20,000
- If utilization factor is 0.5, at a working height of 90 cm above the floor level, the illumination in Q.55 lux would be
 - (A) 100
- (B) 200
- (C) 500
- (D) 1000

General Aptitude (GA) Questions

- Q. 56 Q. 60 carry one mark each.
- A number is as much greater than 75 as it is smaller than 117. The number is: Q.56
 - (A) 91
- (B) 93
- (C) 89
- (D) 96

SHIIDENT BOUNTS, COM Q.57 The professor ordered to the students to go out of the class. IV II Ш Which of the above underlined parts of the sentence is grammatically incorrect? (A) I (B) II (C) III (D) IV Q.58 Which of the following options is the closest in meaning to the word given below:

Primeval

- (A) Modern (B) Historic (C) Primitive (D) Antique
- Friendship, no matter how ______it is, has its limitations. Q.59
 - (A) cordial
 - (B) intimate
 - (C) secret
 - (D) pleasant
- Select the pair that best expresses a relationship similar to that expressed in the pair: Q.60

Medicine: Health

(A) Science: Experiment

(B) Wealth: Peace

(C) Education: Knowledge

(D) Money: Happiness

Q. 61 to Q. 65 carry two marks each.

- X and Y are two positive real numbers such that $2X + Y \le 6$ and $X + 2Y \le 8$. For which of the Q.61 following values of (X, Y) the function f(X, Y) = 3X + 6Y will give maximum value?
 - (A) (4/3, 10/3)
 - (B) (8/3, 20/3)
 - (C) (8/3, 10/3)
 - (D) (4/3, 20/3)
- Q.62 If |4X - 7| = 5 then the values of 2|X| - |-X| is:
 - (A) 2, 1/3
- (B) 1/2, 3
- (C) 3/2, 9
- (D) 2/3, 9

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Q.63 Following table provides figures (in rupees) on annual expenditure of a firm for two years and 2011.

Category	2010	2011
Raw material	5200	6240
Power & fuel	7000	9450
Salary & wages	9000	12600
Plant & machinery	20000	25000
Advertising	15000	19500
Research & Development	22000	26400

In 2011, which of the following two categories have registered increase by same percentage

- (A) Raw material and Salary & wages
- (B) Salary & wages and Advertising
- (C) Power & fuel and Advertising
- (D) Raw material and Research & Development
- A firm is selling its product at Rs. 60 per unit. The total cost of production is Rs. 100 and firm is Q.64 earning total profit of Rs. 500. Later, the total cost increased by 30%. By what percentage the price should be increased to maintained the same profit level.
 - (A) 5
- (B) 10
- (C) 15
- (D) 30

Q.65 Abhishek is elder to Savar. Savar is younger to Anshul.

> Which of the given conclusions is logically valid and is inferred from the above statements?

- (A) Abhishek is elder to Anshul
- (B) Anshul is elder to Abhishek
- (C) Abhishek and Anshul are of the same age
- (D) No conclusion follows

END OF THE QUESTION PAPER

Paper	Q.No	Key(s)/Value(s)
AR	1	А
AR	2	В
AR	3	D
AR	4	Α
AR	5	В
AR	6	Α
AR	7	D
AR	8	D
AR	9	С
AR	10	D
AR	11	Α
AR	12	С
AR	13	С
AR	14	Α
AR	15	Α
AR	16	В
AR	17	Α
AR	18	В
AR	19	A
AR	20	Marks to All
AR	21	C
AR	22	A
AR	23	D
AR	24	Α
AR	25	D
AR	26	D
AR	27	В
AR	28) D
AR	29	A
AR	30	С
AR	31	A
AR	32	D
AR	33	В
AR	34	D
AR	35	Marks to All

						2	
G	SATE	2013 : Answer k	eys for A	4R - A	Archit	ecture and Plan.	IdentBounty.com
aper	Q.No	Key(s)/Value(s)]	Paper	Q.No	Key(s)/Value(s)	130
ιR	1	А		AR	36	Α	34
ιR	2	В	1	AR	37	В	.6
ιR	3	D]	AR	38	D	
ιR	4	А]	AR	39	D	
R	5	В]	AR	40	Α	
ιR	6	Α]	AR	41	20	-14
.R	7	D]	AR	42	3.4 to 3.6	6.0
ιR	8	D]	AR	43	0.5 to 0.6	-0/.)
ιR	9	С]	AR	44	13 to 14	7
ιR	10	D]	AR	45	12 to 13	-)
ιR	11	А		AR	46	105 to 107	
R	12	С		AR	47		
R	13	С]	AR	48	С	
ιR	14	Α		AR	49	Α	
R	15	Α		AR	50	Α	
R	16	В		AR	51	Α	
ιR	17	Α		AR	52	/ C	
ιR	18	В	44	AR	53	D	
R	19	A	12	AR	54	D	
R	20	Marks to All	20	AR	55	Α	
ιR	21	C		AR	56	D	
.R	22	- A	37	AR	57	В	
ιR	23	D	1/	AR	58	С	
ιR	24	A		AR	59	В	
R	25	D		AR	60	С	
R	26	D		AR	61	А	
R	27	В		AR	62	В	
R	28) D	1	AR	63	D	
R	29	A]	AR	64	А	
R	30	С	1	AR	65	D	
b	21	Λ	1	-			