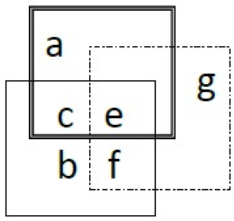
PREVIEW QUESTION BANK

Module Name : WOSC09-E
Exam Date : 30-Apr-2017 Batch : 11:00-13:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	In the given diagram there are three squares interlocking each other. Dotted Square represents *Singer*, double line square represents *Poets* and single line square represents *Writer*. Teachers who are writers and poets but not singers are represented by  A1 : f A2 : g **A3 : c – (Correct Alternative)** A4 : b	1.0	0.25
Objective Question				
2	2	Tina stars from point A and drives 2km towards north. She then turns to her left and drives 3km and after taking another turn to her left she drives 2km and finishes at point B. From this point Minu starts driving towards north. She drives 2km towards north and takes her right turn and drives another 3km She then again turns to her right hand and drives 2km and reaches point A. How far is points A from point B if both the points are in open ground requiring no turns? A1 : 7 km A2 : 5 km **A3 : 3 km – (Correct Alternative)** A4 : 2 km	1.0	0.25
Objective Question				
3	3	Which of the following fraction is the largest? **A1 : 7⁄8 – (Correct Alternative)** A2 : 13⁄16 A3 : 31⁄40 A4 : 63⁄80	1.0	0.25

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Objective Question				
4	4	If 20% of a = b then b% of 20 is the same as A1 : 5% of a A2 : 6% of a **A3 : 4% of a – (Correct Alternative)** A4 : 10% of a	1.0	0.25
Objective Question				
5	5	3 pumps working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day? A1 : 9 A2 : 10 A3 : 11 **A4 : 12 – (Correct Alternative)**	1.0	0.25
Objective Question				
6	6	Anuj reached for a meeting on 15 minutes before 8:30 hours and found himself half an hour earlier than a man who was 40 minutes late. What was the scheduled time of meeting? A1 : 8:00 hrs **A2 : 8:05 hrs – (Correct Alternative)** A3 : 8:15 hrs A4 : 8:45 hrs	1.0	0.25
Objective Question				
7	7	**Facts:** which deal with pieces of information that one has heard, seen or read and which is open to discovery or verification (the answer option indicates such a statement with an 'F').	1.0	0.25

		Inferences: which are conclusions drawn about the unknown, on the basis of the known (the answer option indicates such a statement with an 'I') **Judgements:** which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future (the answer option indicates such a statement with a 'J'). Identify the sequence of statements by choosing the right option: ▪ So much of four day-to-day focus seems to be on getting things done, trudging our way through the tasks of living – it can feel like a treadmill that gets you nowhere. ▪ We are not doing things that make us happy; that bring us joy; that we cannot wait to do because we enjoy them so much. ▪ This is the stuff that joyful living is made of – identifying your calling and committing yourself to it. A1 : III **A2 : JJJ – (Correct Alternative)** A3 : IJI A4 : JII		
Objective Question				
8	8	Choose the option closest to the word - Stipulation A1 : excitement A2 : imitation A3 : signal **A4 : requirement – (Correct Alternative)**	1.0	0.25
Objective Question				
9	9	The question below consists of a pair of related words followed by four pairs of words. Select the pair that best expresses the relation in the original pair. INTIMATE :CLOSE A1 : evanescent: permanency A2 : articulate: speech A3 : enclose :parentheses **A4 : obsessed :attracted – (Correct Alternative)**	1.0	0.25
Objective Question				
10	10	Homeowners aged 40 to 50 are more likely to purchase ice cream and are more likely to purchase it in larger amounts than are members of any other demographic group. The popular belief that teenagers eat more ice cream than adults must, therefore, be false. The argument is flawed primarily because the author:	1.0	0.25

		A1 : Fails to distinguish between purchasing and consuming – (Correct Alternative) A2 : Does not supply information about homeowners in age groups other than 40 and 50 A3 : Does not specify the precise amount of ice cream purchased by any demographic group A4 : Discuss ice cream rather than more nutritious and healthful foods		
Objective Question				
11	11	There are seven books including one each on Psychology, Hindi, English, Sociology, Economics, Physical Education and Accountancy, lying on a table one over the other. The sociology book is lying on top of the pile. The English book is neither at the top nor at the bottom of the pile. The book on Accountancy is immediately below the one on Physical Education, which is immediately below the book on Sociology. The Economics book is immediately above the book on Psychology. The book on Hindi is immediately below the one on Psychology. The book on Economics is between which of the following books? A1 : Accountancy and Physical Education **A2 : English and Psychology – (Correct Alternative)** A3 : Psychology and Hindi A4 : Physical Education and Hindi	1.0	0.25
Objective Question				
12	12	There are seven books including one each on Psychology, Hindi, English, Sociology, Economics, Physical Education and Accountancy, lying on a table one over the other. The sociology book is lying on top of the pile. The English book is neither at the top nor at the bottom of the pile. The book on Accountancy is immediately below the one on Physical Education, which is immediately below the book on Sociology. The Economics book is immediately above the book on Psychology. The book on Hindi is immediately below the one on Psychology. Which three books are between the books on Accountancy and Hindi? **A1 : English, Economics and Psychology – (Correct Alternative)** A2 : Economics, Psychology and Sociology A3 : Economics, Physical Education and Psychology A4 : English, Physical Education and Sociology	1.0	0.25
Objective Question				
13	13	There are seven books including one each on Psychology, Hindi, English, Sociology, Economics, Physical Education and Accountancy, lying on a table one over the other. The sociology book is lying on top of the pile. The English book is neither at the top nor at the bottom of the pile. The book on Accountancy is immediately below the one on Physical Education, which is immediately below the book on Sociology. The Economics book is immediately above the book on Psychology. The book on Hindi is immediately below the one on Psychology.	1.0	0.25

		If the books on Sociology and English, those on Accountancy and Hindi and the ones on Physical Education and Psychology interchange their respective positions, which book will be between the one on Psychology and the one on Sociology? A1 : Accountancy **A2 : Hindi – (Correct Alternative)** A3 : Psychology A4 : None of these		
Objective Question				
14	14	Choose the appropriate answer to complete the following sentence: Medicine is to illness as law is to _____ A1 : Discipline **A2 : Anarchy – (Correct Alternative)** A3 : Treason A4 : Etiquette	1.0	0.25
Objective Question				
15	15	If Z = 52 and ACT = 48, then BAT will be equal to A1 : 39 A2 : 41 A3 : 44 **A4 : 46 – (Correct Alternative)**	1.0	0.25
Objective Question				
16	16	If FLOWER is coded as HNQYGT, then JASMINE is coded as_____ A1 : LCVNKQG A2 : LBVOKPG A3 : MCUOKQG **A4 : LCUOKPG – (Correct Alternative)**	1.0	0.25
Objective Question				
17	17	A person travelled a distance of 50 km in 8 hours. He covered a part of the distance on foot at the rate of 4 km per hour and a part on a bicycle at the rate of 10 km per hour. How much distance did he travel on foot?	1.0	0.25

		A1 : 10 km **A2 : 20km – (Correct Alternative)** A3 : 30km A4 : 40km		
Objective Question				
18	18	In a garrison, there was food for 1000 soldiers for one month. After 10 days, 1000 more soldiers joined the garrison. How long would the soldiers be able to carry on with the remaining food? A1 : 25 A2 : 20 A3 : 15 **A4 : 10 – (Correct Alternative)**	1.0	0.25
Objective Question				
19	19	Examine these statements, Rama scored more than Rani, Rani scored less than Ratna, Ratna scored more than Rama, and Padma scored more than Rama but less than Ratna. Who scored the highest? A1 : Rama A2 : Padma A3 : Rani **A4 : Ratna – (Correct Alternative)**	1.0	0.25
Objective Question				
20	20	A candidate attempted 12 questions and secured full marks in all of them. If he obtained 60% in the test and all questions carried equal marks, then what is the number of questions in the test? A1 : 36 A2 : 30 A3 : 25 **A4 : 20 – (Correct Alternative)**	1.0	0.25
Objective Question				
21	21	Who invented Aqua-Lung? A1 : Anand Mohan Chakraborty	1.0	0.25

		Ananad Mohan Chakra borty A2 : Newton **A3 : Jacques Cousteau – (Correct Alternative)** A4 : Thomas Bessemer		
Objective Question				
22	22	The example of bio-degradable plastic is A1 : Aromatic polyesters **A2 : Aliphatic polyesters – (Correct Alternative)** A3 : Oil A4 : Leather	1.0	0.25
Objective Question				
23	23	Basic Characteristics of Radioactive materials is/are A1 : Half life A2 : Radioactive decay process A3 : Fission and Fusion **A4 : All the above – (Correct Alternative)**	1.0	0.25
Objective Question				
24	24	The science of weights and measures is called **A1 : Metrology – (Correct Alternative)** A2 : Meteorology A3 : Morphology A4 : None of the above	1.0	0.25
Objective Question				
25	25	The Statue of Liberty is green because of A1 : Iron **A2 : Copper – (Correct Alternative)**	1.0	0.25

		A3 : Nickel A4 : Stainless Steel		
Objective Question				
26	26	A simple pendulum is suspended from the ceiling of a lift. When the lift is at rest its time period is T. With what acceleration should the lift be accelerated upwards in order to reduce its period to T/2? (g is acceleration due to gravity). **A1 : 3g – (Correct Alternative)** A2 : 4g A3 : 8g A4 : Tg	1.0	0.25
Objective Question				
27	27	The density of water is maximum at……. **A1 : 277K – (Correct Alternative)** A2 : 32^0F A3 : 100^0C A4 : 0^0C	1.0	0.25
Objective Question				
28	28	One that is based on forward biased pn junction is **A1 : LED – (Correct Alternative)** A2 : Photo-diode A3 : Both (a) and (b) A4 : None of the above	1.0	0.25
Objective Question				
29	29	"When two systems are in thermal equilibrium with a third system, then they are in thermal equilibrium with each other". It is stated in A1 : First Law of Thermodynamics A2 : Second Law of Thermodynamics **A3 : Zeroth Law of Thermodynamics – (Correct Alternative)**	1.0	0.25

		A4 : None of the above		
Objective Question				
30	30	A crystal is considered as A1 : Homogeneous solid A2 : Homogeneous solid formed by atoms A3 : Homogeneous solid formed by ions **A4 : All the above – (Correct Alternative)**	1.0	0.25
Objective Question				
31	31	Which radioactive element is used in heat pacemakers? **A1 : Plutonium – (Correct Alternative)** A2 : Uranium A3 : Radium A4 : None of the above	1.0	0.25
Objective Question				
32	32	The commercial source of alkane is **A1 : Coal – (Correct Alternative)** A2 : Mineral A3 : Sugar A4 : None of the above	1.0	0.25
Objective Question				
33	33	Enzymes and anti-bodies are mainly made of **A1 : Protein – (Correct Alternative)** A2 : Fat A3 : Vitamin A4 : Mineral	1.0	0.25

Objective Question				
34	34	What is the full form of OPEC? A1 : Oil Producing and Exporting Countries **A2 : Organization of the Petroleum Exporting Countries – (Correct Alternative)** A3 : Oil Producing and Exporting Coalition A4 : Oil Producer's Economic Coalition	1.0	0.25
Objective Question				
35	35	Havells is a brand of A1 : Beer A2 : Whisky **A3 : Electrical goods – (Correct Alternative)** A4 : Television	1.0	0.25
Objective Question				
36	36	What is the full form of CRR? **A1 : Cash Reserve Ratio – (Correct Alternative)** A2 : Cash Report Ratio A3 : Cash Reserve Report A4 : Cash Restructuring Ratio	1.0	0.25
Objective Question				
37	37	In mobile telecommunication, SMS stands for A1 : Swift Message Service A2 : Swift Memo Service **A3 : Short Message Service – (Correct Alternative)** A4 : Short Memo Service	1.0	0.25
Objective Question				
38	38	Who became the first female CEO of PepsiCo's?	1.0	0.25

		A1 : Indra Nooyi – (Correct Alternative) A2 : Chanda Kochhar A3 : Kiran Majumdar A4 : Padmasre Warrior		
Objective Question				
39	39	Paper Boat is a brand of A1 : Britannia Industries Ltd. A2 : ITC A3 : Dabur India Ltd. **A4 : Hectare Beverages – (Correct Alternative)**	1.0	0.25
Objective Question				
40	40	Geographically which state is largest in India? A1 : Maharashtra A2 : Uttar Pradesh A3 : Madhya Pradesh **A4 : Rajasthan – (Correct Alternative)**	1.0	0.25
Objective Question				
41	41	Full form of INTUC **A1 : Indian National Trade Union Congress – (Correct Alternative)** A2 : Indian National Travel Union Congress A3 : Indian National Top Union Congress A4 : Indian National Trust Union Congress	1.0	0.25
Objective Question				
42	42	Full form of NSE A1 : National Scientific Enterprises **A2 : National Securities Exchange – (Correct Alternative)**	1.0	0.25

		A3 : National Silk Exchange A4 : National Statistical Exchange		
Objective Question				
43	43	What is the full form of MGNREGA? **A1 : Mahatma Gandhi National Rural Employment Guarantee Act – (Correct Alternative)** A2 : Mahatma Gandhi New Rural Employment Guarantee Act A3 : Mahatma Gandhi National Rural Earning Guarantee Act A4 : Mahatma Gandhi National Rural Employment Giving Act	1.0	0.25
Objective Question				
44	44	Which of the following is the most spoken language in the world? A1 : English **A2 : Mandarin – (Correct Alternative)** A3 : Spanish A4 : Hindi	1.0	0.25
Objective Question				
45	45	In Rio Olymoics 2016, PV Sindhu won the following medal A1 : Gold Medal (Badminton) **A2 : Silver Medal (Badminton) – (Correct Alternative)** A3 : Silver Medal (Tennis) A4 : Bronze Model (Tennis)	1.0	0.25
Objective Question				
46	46	What types of works are protected by copyright? A1 : Songs A2 : Photographs A3 : Plays	1.0	0.25

		A4 : All of the above – (Correct Alternative)		
Objective Question				
47	47	Patent can be granted to the person A1 : One who conceived the idea first A2 : One who commercialised the idea first **A3 : One who applied for the patent on idea first – (Correct Alternative)** A4 : All of them listed above	1.0	0.25
Objective Question				
48	48	ISI is A1 : Trade Mark A2 : Service Mark A3 : Collective mark **A4 : Certificate mark – (Correct Alternative)**	1.0	0.25
Objective Question				
49	49	A vendor in Flea Market is selling fake “TITAN” watches. Under which law can TITAN sue him A1 : Copyright **A2 : Trademarks – (Correct Alternative)** A3 : Patent A4 : Industrial Design	1.0	0.25
Objective Question				
50	50	If Mohit invents a new process for etching artwork on a metal plate, he will likely apply for a A1 : Copyright **A2 : Patent – (Correct Alternative)** A3 : Trademark A4 : Design registration	1.0	0.25

Objective Question				
51	51	A computer programme in India can be protected under A1 : Patent Act **A2 : Copyright Act – (Correct Alternative)** A3 : Information Technology Act A4 : None of the above	1.0	0.25
Objective Question				
52	52	The term 'Intellectual Property Rights' covers A1 : Copyrights A2 : Designs A3 : Trade dress **A4 : All of the above – (Correct Alternative)**	1.0	0.25
Objective Question				
53	53	1. Note the following: I. The shape of ball point pen, where the tip of the pen is designed in such a way that it makes the flow of the ink smooth II. The term "Tasty Biscuits" for biscuits that have just been introduced to the market III. The made-up term "Velito" for a brand of wrist watches Which of the following describes what is protectable as a trademark? A1 : I only A2 : II only **A3 : III only – (Correct Alternative)** A4 : I, II, and III	1.0	0.25
Objective Question				
54	54	Essential requirements for obtaining a patent are : A1 : It should be valuable and informative. A2 : It should be new, inventive and pleasing to the eye. **A3 : It should be new, inventive, and useful. – (Correct Alternative)**	1.0	0.25

		A4 : All of the above		
Objective Question				
55	55	The first Sound Mark obtained in India in 2008 is A1 : Loreal's fragrance mark A2 : Allianz sound mark A3 : Plumeria scent **A4 : Yahoo yodel – (Correct Alternative)**	1.0	0.25
Objective Question				
56	56	One of the following is correct in relation to patentable inventions in India A1 : Medical treatment methods A2 : Essential Biological Process **A3 : New Chemical Composition – (Correct Alternative)** A4 : Traditional Knowledge per se	1.0	0.25
Objective Question				
57	57	Which of the following Intellectual Property Rights can be transferred and licensed A1 : Patents A2 : Copyrights A3 : Trademarks **A4 : All of the above – (Correct Alternative)**	1.0	0.25
Objective Question				
58	58	Who is the owner of a work proceed during the course of author's employment **A1 : Employer – (Correct Alternative)** A2 : Publisher A3 : Real Author A4 : Successor of Real Author	1.0	0.25

Objective Question				
59	59	PCT stands for A1 : Patent Concentration Treaty **A2 : Patent Cooperation Treaty – (Correct Alternative)** A3 : Patent Convention Treaty A4 : Patent Centralisation Treaty	1.0	0.25
Objective Question				
60	60	WTO has its headquarters located in A1 : London A2 : Paris A3 : New York **A4 : Geneva – (Correct Alternative)**	1.0	0.25
Objective Question				
61	61	Following are two statements: (i) Two finite-dimensional vector spaces over the same field are isomorphic. (ii) Two finite-dimensional vector spaces over the same field and of the same dimension are isomorphic. Then A1 : (i) is true but (ii) is not true, **A2 : (ii) is true, but (i) is not true, – (Correct Alternative)** A3 : None of them is true, A4 : All of them are true.	1.0	0.25
Objective Question				
62	62	$\ln (x-1)^2 = 2 \ln(x-1)$ for all x in the interval A1 : $(-\infty, +\infty)$ A2 : $[0, +\infty)$ A3 : $(-\infty, 1) \cup (1, +\infty)$ **A4** : $(1, +\infty)$	1.0	0.25

: – (Correct Alternative)

Objective Question				
63	63	If f(x) = g(u) and u = u(x), then A1 : $f'(x) = g'(u)$ **A2 : $f'(x) = g'(u).u'(x)$ – (Correct Alternative)** A3 : $f'(x) = u'(x)$ A4 : none of the above	1.0	0.25
Objective Question				
64	64	The value of the limit $\lim_{x\to-\infty}\left(\frac{\sqrt{x^2+1}}{3x-2}\right)$ is A1 : -1 A2 : 1/5 **A3 : -1/3 – (Correct Alternative)** A4 : 1/3	1.0	0.25
Objective Question				
65	65	If 4/5 of an estate be worth of Rs. 3,36,000 then the value of the 3/7 of the estate is A1 : Rs. 1,60,000 A2 : Rs. 1,46,000 A3 : Rs. 2,50,000 **A4 : Rs. 1,80,000 – (Correct Alternative)**	1.0	0.25
Objective Question				
66	66	What fraction of an hour is equal to a second? A1 : 1/60 **A2 : 1/3600 – (Correct Alternative)** A3 : 1/24	1.0	0.25

		A4 : 1/120		
Objective Question				
67	67	The average age of the mother and her six children is 12 years, which is reduced by 5years if the age of the mother is excluded. How old is the mother? A1 : 63 A2 : 53 **A3 : 42 – (Correct Alternative)** A4 : 32	1.0	0.25
Objective Question				
68	68	The 9 % of x is 6.3. Then the value of x is equal to **A1 : 70 – (Correct Alternative)** A2 : 75 A3 : 60 A4 : 50	1.0	0.25
Objective Question				
69	69	A bag contains 50 paisa, 25 paisa and 10 paisa coins in the ratio, 5:9:4 amounting to Rs. 206. Find the number of 10 paisa coins? A1 : 140 A2 : 150 **A3 : 160 – (Correct Alternative)** A4 : 170	1.0	0.25
Objective Question				
70	70	If 40 men can do a piece of work in 24 hours, in how many hours will 12 men do it? A1 : 50 A2 : 60 A3 : 70 A4	1.0	0.25

		A4 : **80 – (Correct Alternative)**		
Objective Question				
71	71	Choose the words that best express a relationship similar to that of the original pair. COBBLER: SHOE A1 : **Contractor :Building – (Correct Alternative)** A2 : Jockey : Horse A3 : Mason:Brick A4 : Potter:Paint	1.0	0.25
Objective Question				
72	72	From the given alternatives, choose the word that is most nearly similar in meaning to the word given in CAPITAL letters. DEFER A1 : Deject A2 : **Postpone – (Correct Alternative)** A3 : Estimate A4 : Minimize	1.0	0.25
Objective Question				
73	73	From the given alternatives, choose the word that is most nearly opposite in meaning to the word given in CAPITAL letters. NEBULOUS A1 : Vague A2 : **Definite – (Correct Alternative)** A3 : Deceptive A4 : Lazy	1.0	0.25
Objective Question				
74	74	From the given alternatives, choose the word that is most nearly opposite in meaning to the word given in CAPITAL letters. PERIPHERAL A1 : **Central – (Correct Alternative)** A2 : Actual	1.0	0.25

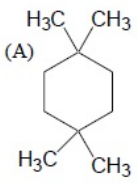
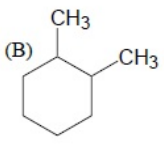
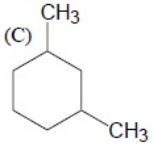
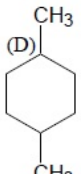
		A3 : Axial A4 : Radial		
Objective Question				
75	75	Which of the phrases (A), (B) and (C) and (D) given below should replace the phrase given in BOLD in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and no correction is required, mark (D) as the answer. They **were all shocked** at his failure in the business venture. A1 : Were shocked at all A2 : Had all shocked by A3 : Had been all shocked on **A4 : No correction required – (Correct Alternative)**	1.0	0.25
Objective Question				
76	76	Which of the phrases (A), (B) and (C) and (D) given below should replace the phrase given in BOLD in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and no correction is required, mark (D) as the answer. The police **has so far succeeded** in recovering only a part of the stolen cash and jewellery. A1 : Thus far succeeded for recovery A2 : So far succeeded in recovery of A3 : So far succeeded to recover **A4 : No correction required – (Correct Alternative)**	1.0	0.25
Objective Question				
77	77	Which of the phrases (A), (B) and (C) and (D) given below should replace the phrase given in BOLD in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and no correction is required, mark (D) as the answer. The police **break-up** the trunk and found the looted jewellery. **A1 : Broke open – (Correct Alternative)** A2 : Break opened A3 : Breakingly opened A4 : No correction required	1.0	0.25
Objective Question				

78	78	Which of the phrases (A), (B) and (C) and (D) given below should replace the phrase given in BOLD in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and no correction is required, mark (D) as the answer. Finding himself in financial crisis, he **came forward me** for help and support. A1 : Came across **A2 : Came to – (Correct Alternative)** A3 : Comes with A4 : No correction required	1.0	0.25
Objective Question				
79	79	**Which of the following choices would make the sentence meaningfully complete.** As the old soldier watched the parade, he was suddenly overcome with _____ for the youthful years he spent in the army. **A1 : nostalgia – (Correct Alternative)** A2 : adroit A3 : mythical A4 : dilemma	1.0	0.25
Objective Question				
80	80	**Which of the following choices would make the sentence meaningfully complete.** An expert from the museum _____ the painting, looking for telltale signs that would prove it to be genuine or expose it as a forgery. A1 : speculate A2 : seminal A3 : seemly **A4 : scrutinized – (Correct Alternative)**	1.0	0.25
Objective Question				
81	81	In the sentence below one word has been printed in bold. Below the sentence, four words are suggested, one of which can replace the word printed in bold, without changing the meaning of the sentence. Find out the appropriate word. Family pressure, social customs, gender bias, and a shortage of role models are just some of the **impediments** almost all of us face. A1 : instruction	1.0	0.25

		A2 : impairments A3 : barriers **A4 : hindrance – (Correct Alternative)**		
Objective Question				
82	82	In the sentence below one word has been printed in bold. Below the sentence, four words are suggested, one of which can replace the word printed in bold, without changing the meaning of the sentence. Find out the appropriate word. The group of people burnt the **effigy** of the lawyer as a mark of their irritation. A1 : dress A2 : files **A3 : dummy – (Correct Alternative)** A4 : copy	1.0	0.25
Objective Question				
83	83	**Pick out the synonym of the lead word** Animated A1 : Forceful A2 : Technical A3 : Crafty **A4 : Lively – (Correct Alternative)**	1.0	0.25
Objective Question				
84	84	**Pick out the synonym of the lead word** Affluent **A1 : Prosperous – (Correct Alternative)** A2 : Outdated A3 : Urgent A4 : Immediate	1.0	0.25
Objective Question				
85	85	In the following sentence, a part of sentence is given in bold. Below are alternatives to the bold part which may improve the sentence. Choose the correct alternative.	1.0	0.25

		At an early age, **he had made his mark** as a teacher **A1 : made his mark – (Correct Alternative)** A2 : makes his mark A3 : made his markings A4 : no improvement		
Objective Question				
86	86	In the following sentence, a part of sentence is given in bold. Below are alternatives to the bold part which may improve the sentence. Choose the correct alternative. They had to **put off until later** the open air performance because of heavy rain **A1 : postpone – (Correct Alternative)** A2 : delay A3 : adjourn A4 : no improvement	1.0	0.25
Objective Question				
87	87	**Spot the error in the following sentence:** Being a holiday/we went out/for a picnic **A1 : Being a holiday – (Correct Alternative)** A2 : we went out A3 : for a picnic A4 : no error	1.0	0.25
Objective Question				
88	88	**Spot the error in the following sentence:** Having found a piece/ of cheese nil two cats went to a dog/ to divide it among them A1 : Having found a piece A2 : of cheese nil two cats went to a dog **A3 : to divide it among them – (Correct Alternative)**	1.0	0.25

		A4 : no error		
Objective Question				
89	89	**Choose the correct option so as to make the sentence grammatically correct:** The driver was ____ injured; he died within an hour. A1 : significantly **A2 : fatally – (Correct Alternative)** A3 : fatefully A4 : vitally	1.0	0.25
Objective Question				
90	90	**Choose the correct option so as to make the sentence grammatically correct:** Students of St. Xavier's ____ all the prizes. A1 : bear of **A2 : bore away – (Correct Alternative)** A3 : bore on A4 : bear on	1.0	0.25
Objective Question				
91	91	Under the same conditions two gases have the same number of molecules. They must A1 : Noble gases **A2 : Have equal volumes – (Correct Alternative)** A3 : have a volume of 22.4 dm^3 each A4 : Have equal number of atoms	1.0	0.25
Objective Question				
92	92	LPG is a mixture of iso-butane and n-butane. The volume of oxygen needed to burn 1 kg of LPG at NTP would be A1 : 2240 litres **A2 : 2510 litres – (Correct Alternative)** A3 : 1000 litres	1.0	0.25

		A4 : 500 litres		
Objective Question				
93	93	The vapour density of completely dissociated NH4Cl would be A1 : Slightly less than half of that of ammonium chloride A2 : Double that of ammonium chloride **A3 : Half of that of ammonium chloride – (Correct Alternative)** A4 : Determined by amount of solid ammonium chloride used in the experiment	1.0	0.25
Objective Question				
94	94	Two moles of an ideal gas expand spontaneously in vacuum. The work done is A1 : 2 Joule A2 : 4 Joule **A3 : Zero – (Correct Alternative)** A4 : Infinite	1.0	0.25
Objective Question				
95	95	Which one of the following compound give four monochloro isomeric products after chlorination? A1 :  **A2 :  – (Correct Alternative)** A3 :  A4 : 	1.0	0.25

		CH_3		
Objective Question				
96	96	For which of the following compounds cis-trans isomers are possible? (1) $CH_2CH=CH_2$; (2) $CH_3CH=CHCH_2CH_3$; (3) $CH_3CH=CHCH_3$ A1 : Only 3 A2 : Only 2 **A3 : Both 2 and 3 – (Correct Alternative)** A4 : Both 1 and 3	1.0	0.25
Objective Question				
97	97	Which of the following compounds would have the highest boiling point? A1 : $CH_3CH_2CH_2CH_3$ A2 : CH_3NH_2 **A3 : CH_3OH – (Correct Alternative)** A4 : CH_2F_2	1.0	0.25
Objective Question				
98	98	Which of the following is present in vinegar? A1 : HCOOH **A2 : CH_3COOH – (Correct Alternative)** A3 : CH_3CHO A4 : CH_3CH_2OH	1.0	0.25
Objective Question				
99	99	Which of the following substances falls in the category of carbohydrates? **A1 : Glycogen – (Correct Alternative)** A2 : Insulin A3 : Cytosine A4 : Glycerol	1.0	0.25
Objective Question				

100	100	Which of the following is not a state function? A1 : Enthalpy A2 : Entropy **A3 : Work – (Correct Alternative)** A4 : Internal energy	1.0	0.25

PREVIEW QUESTION BANK

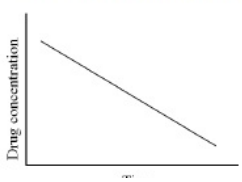
Module Name : WOSC09-E
Exam Date : 30-Apr-2017 Batch : 11:00-13:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
101	101	For a reaction, equilibrium constant increases with increase in temperature. The reaction is **A1 : Endothermic – (Correct Alternative)** A2 : Exothermic A3 : Unfeasible A4 : None of the above	1.0	0.25
Objective Question				
102	102	Which of the following has the lowest mass? **A1 : Electron – (Correct Alternative)** A2 : Proton A3 : Neutron A4 : Hydrogen atom	1.0	0.25
Objective Question				
103	103	What are the dimensions of diffusivity? A1 : m/s A2 : m/s^2 **A3 : m^2/s – (Correct Alternative)** A4 : m^2/s^2	1.0	0.25
Objective Question				
104	104	What is Sherwood number? A1 : $D_A/k_l\, d_p$ **A2 : $k_l\, d_p/D_A$ – (Correct Alternative)** A3 : $k_l\, D_A/d_p$	1.0	0.25

		A4 : m^2/s^2		
Objective Question				
105	105	What is Reynolds number? A1 : μuρ /d A2 : μud/ρ A3 : ρu/ μd **A4 : duρ /μ – (Correct Alternative)**	1.0	0.25
Objective Question				
106	106	A fouling factor is **A1 : Resistance – (Correct Alternative)** A2 : Reciprocal of resistance A3 : Capacitance A4 : Combination of all of the above three	1.0	0.25
Objective Question				
107	107	Rate of radiative heat transport is proportional to A1 : T A2 : T^5 **A3 : T^4 – (Correct Alternative)** A4 : $T^{1/2}$	1.0	0.25
Objective Question				
108	108	An autocatalytic reaction is best carried out in A1 : PFR A2 : CSTR A3 : Batch reactor **A4 : PFR with a recycle – (Correct Alternative)**	1.0	0.25

Objective Question				
109	109	All heat exchangers in a large chemical plant are A1 : Precisely designed to meet the process requirements A2 : Under-designed A3 : Over-designed to fail independently **A4 : Over-designed so as to fail Simultaneously – (Correct Alternative)**	1.0	0.25
Objective Question				
110	110	PET bottles are made out of **A1 : Poly(ethylene terepthalate) – (Correct Alternative)** A2 : Poly(ethylene tartrate) A3 : Polyethylene and terephthalic acid A4 : Polyethylene and tartaric acid	1.0	0.25
Objective Question				
111	111	According to the Kohlrausch law of independent migration of ions, $\Lambda^{\circ}_{m\,(NaCl)}$, is equal to **A1 : $\lambda^{0}_{Na^+} + \lambda^{0}_{Cl^-}$ – (Correct Alternative)** A2 : $\lambda^{0}_{Na^+} - \lambda^{0}_{Cl^-}$ A3 : $\lambda^{0}_{Na^+} \times \lambda^{0}_{Cl^-}$ A4 : $\lambda^{0}_{Na^+} / \lambda^{0}_{Cl^-}$	1.0	0.25
Objective Question				
112	112	Kjeldahl's method is used for the estimation of **A1 : Nitrogen – (Correct Alternative)** A2 : Sulfur A3 : Halogens A4 : Phosphorus	1.0	0.25
Objective Question				
113	113	A patient may suffer from diabetes mellitus due to the deficiency of one of the following hormones	1.0	0.25

		A patient may suffer from diabetes mellitus due to the deficiency of one of the following hormones **A1: Insulin – (Correct Alternative)** A2: Erythropoietin A3: Thyroxine A4: Testosterone		
Objective Question				
114	114	Which of the following is an anti-pyretic agent A1: Ciprofloxacin A2: Ranitidine A3: Penicillin **A4: Paracetamol – (Correct Alternative)**	1.0	0.25
Objective Question				
115	115	Half-life of a drug refers to **A1: Time required for the concentration of the drug in the body to be reduced by one-half – (Correct Alternative)** A2: Amount of drug required to treat a patient of half-age compared to an average adult A3: Time duration in which the efficacy of the drug becomes half when kept on shelf A4: Amount of drug required to treat a patient in half the average time required to become healthy	1.0	0.25
Objective Question				
116	116	Which of the following is not a part of the urinary system? A1: Kidney A2: Ureter A3: Urinary bladder **A4: Rectum – (Correct Alternative)**	1.0	0.25
Objective Question				
117	117	One of the following is not used to prevent heartburn A1: Rantidine	1.0	0.25

		A2: Famotidine A3: Cimetidine **A4: Azacitidine – (Correct Alternative)**		
Objective Question				
118	118	Which of the following provides the best definition of pharmaceutics? **A1: Study of dosage form design, including associated manufacturing techniques – (Correct Alternative)** A2: Study of the effect that drugs have on the body A3: Study of the effect that the body has on drugs A4: Study of how drugs can be chemically synthesized	1.0	0.25
Objective Question				
119	119	Which of the following statements best describe “bioavailability”? A1: Fraction of an ingested dose of a drug that is excreted out of the body A2: Fraction of an ingested dose of a drug that escapes systemic circulation A3: Fraction of an ingested dose of a drug that enters the brain **A4: Fraction of an ingested dose of a drug that gains access to the systemic circulation – (Correct Alternative)**	1.0	0.25
Objective Question				
120	120	Pharmacologically inactive drugs having active metabolites are known as A1: Neodrugs **A2: Prodrugs – (Correct Alternative)** A3: Adjuvant drugs A4: Predrugs	1.0	0.25
Objective Question				
121	121	The following image depicts kinetics of which order?  	1.0	0.25

		Time **A1 : Zero order kinetics – (Correct Alternative)** A2 : First order kinetics A3 : Second order kinetics A4 : Third order kinetics		
Objective Question				
122	122	Which of the following is not a TNF inhibitor? A1 : Adalimumab A2 : Etanercept **A3 : Muromonab – (Correct Alternative)** A4 : Infliximab	1.0	0.25
Objective Question				
123	123	The organ where “first pass metabolism” takes place is A1 : Lung **A2 : Liver – (Correct Alternative)** A3 : Stomach A4 : Large intestine	1.0	0.25
Objective Question				
124	124	What do you understand by topical administration of a drug? A1 : Drug is ingested orally to give relief to a particular area of the body. **A2 : Drug is applied to a particular surface of the body to give rise to local effects. – (Correct Alternative)** A3 : Drug is injected into the vascular system of the body to give rise to local effects. A4 : Drug is injected into the musculature of the body to give rise to local effects.	1.0	0.25
Objective Question				
125	125	The acronym ADME in Pharmacokinetics stands for **A1 : Absorption, distribution, metabolism and excretion – (Correct Alternative)**	1.0	0.25

		A2 : Adsorption, distribution, metabolism and excretion A3 : Absorption, dissolution, metabolism and excretion A4 : Absorption, distribution, metabolism and egestion		
Objective Question				
126	126	Which of the following statements is true for the "blood-brain barrier"? A1 : It is an impermeable membrane barrier separating circulating blood from the brain extracellular fluid in the central nervous system (CNS). A2 : It allows entry of neurotoxins into the brain. A3 : It allows mixing of blood and cerebrospinal fluid (CSF). **A4 : It is a highly selective semi-permeable membrane. – (Correct Alternative)**	1.0	0.25
Objective Question				
127	127	Which of the following is used as an antidote to toxicity caused due to paracetamol overdose? **A1 : N-acetylcysteine – (Correct Alternative)** A2 : NAPQI (N-acetyl-p-benzoquinone imine) A3 : 1, 4 Benzoquinone A4 : Paraformaldehyde (PFA)	1.0	0.25
Objective Question				
128	128	Therapeutic index (TI) of a drug in humans can be calculated by one of the following formulae (TI: Therapeutic index; LD: Lethal dose; TD: Toxic dose; ED: Effective dose; MTD: Maximum tolerated dose) **A1 : $TI = TD_{50}/ED_{50}$ – (Correct Alternative)** A2 : $TI = MTD_{50}/ED_{50}$ A3 : $TI = TD_{50}/LD_{50}$ A4 : $TI = MTD_{50}/TD_{50}$	1.0	0.25
Objective Question				
129	129	Consider the following statements regarding sublingual administration of drugs: i. Sublingual administration cannot avoid first pass metabolism ii. Sublingually administered drugs are absorbed via the oral mucosa drain into the inferior venae cavae to the heart and systemic circulation iii. Glyceryl trinitrate (nitroglycerin) is usually administered sublingually to avoid first pass metabolism	1.0	0.25

		to avoid first pass metabolism iv. Sublingual route of administration increases the bioavailability of drugs that are extensively metabolised by the liver In the context of the statements above which of the following option is correct? A1 : Only statement (i) is correct A2 : Statements (i) and (ii) are correct **A3 : Statements (iii) and (iv) are correct – (Correct Alternative)** A4 : Only statement (iv) is correct		
Objective Question				
130	130	With regard to "anticholinesterases" consider the following statements below: (i) Increase the concentrations of acetylcholine at muscarinic receptors (ii) Decrease the concentration of acetylcholine at nicotinic receptors (iii) Are used in the treatment of Alzheimer's disease (iv) Decrease muscle activity at neuromuscular junction In the context of the statements above which of the following option is correct? A1 : Only (i) is correct A2 : Only (ii) is correct. **A3 : Both (i) and (iii) are correct. – (Correct Alternative)** A4 : Both (ii) and (iv) are correct.	1.0	0.25
Objective Question				
131	131	Which of the following drugs was not isolated from a natural source? A1 : quinine A2 : morphine **A3 : isoniazid – (Correct Alternative)** A4 : artemisinin	1.0	0.25
Objective Question				
132	132	Which of the following statements gives the best description of the phospholipid bilayer in cell membranes? A1 : It is made up of two layers of phospholipid polymers. A2 : It is made up of two layers of phospholipid molecules with the tails pointing away from each other. A3	1.0	0.25

		A3: It is made up of two layers of phospholipid molecules with the tails lying parallel to each other. **A4: It is made up of two layers of phospholipid molecules with the tails interacting with each other. – (Correct Alternative)**		
Objective Question				
133	133	Which of the following agents act as irreversible inhibitors? A1: sulphonamides **A2: penicillin – (Correct Alternative)** A3: statins A4: protease inhibitors	1.0	0.25
Objective Question				
134	134	Which of the following terms best describes a drug which inhibits the enzyme, but binds to a binding site other than the active site? **A1: allosteric inhibitor – (Correct Alternative)** A2: irreversible inhibitor A3: reversible inhibitor A4: suicide substrate	1.0	0.25
Objective Question				
135	135	What is meant by a lead compound in medicinal chemistry? A1: A drug containing the element lead. A2: A leading drug in a particular area of medicine. **A3: A compound that acts as the starting point for drug design and development. – (Correct Alternative)** A4: A drug which is normally the first to be prescribed for a particular ailment.	1.0	0.25
Objective Question				
136	136	In a bacterial cell undergoing division all cells have 40 copies of plasmid of which half of the plasmid DNA is in form of dimer and one-fifth in form of tetramers. The number of replicative units present per cell is: A1: 20 A2: 12 **A3: 24 – (Correct Alternative)**	1.0	0.25

		A4 : 40		
Objective Question				
137	137	The concentration of glucose inside the cell is 0.8mM and outside the cell is 8mM at a body temperature of 37°C. Assuming the plasma membrane is permeable for glucose, the free energy released for glucose transport is A1 : -2.8 kcal/mol A2 : 2.8 kcal/mol **A3 : -1.4 kcal/mol – (Correct Alternative)** A4 : 1.4 kcal/mol	1.0	0.25
Objective Question				
138	138	Which of the following statement is incorrect for a Ping Pong enzymatic reaction? A1 : One or more products are released before all substrates have been added A2 : A functional group of the first substrate is displaced by the enzyme to yield the first product **A3 : The substrates in a ping pong reaction encounters one another on the surface of the enzyme – (Correct Alternative)** A4 : Amino-transferase reaction catalyzed by transaminase enzymes occur via Ping pong mechanism	1.0	0.25
Objective Question				
139	139	The ratio of number of photons emitted to the number of photons absorbed for a fluorescent molecule is called A1 : Fluorescence Intensity A2 : Fluorescence Lifetime **A3 : Quantum Yield – (Correct Alternative)** A4 : Fluorescence Polarization	1.0	0.25
Objective Question				
140	140	If red blood cells are kept in a hypertonic solution, the cells will **A1 : Shrink – (Correct Alternative)** A2 : Remain healthy A3 : Swell and burst A4 : None of the above	1.0	0.25

Objective Question				
141	141	Endocytosis is **A1 : An energy requiring process for taking bulky materials inside the cells – (Correct Alternative)** A2 : An energy independent process for taking bulky materials into cells A3 : An energy requiring process to release bulky material out of the cell A4 : An energy independent process to release bulky materials out of the cells	1.0	0.25
Objective Question				
142	142	Mass spectrometry separates molecular ions on the basis of A1 : mass **A2 : mass to charge ratio – (Correct Alternative)** A3 : charge to mass ratio A4 : charge	1.0	0.25
Objective Question				
143	143	The ideal B-DNA helix has **A1 : 10 base pairs per turn and pitch of 34 Å – (Correct Alternative)** A2 : 11 base pairs per turn and pitch of 34 Å A3 : 10 base pairs per turn and pitch of 3.4 Å A4 : 11 base pairs per turn and pitch of 3.4 Å	1.0	0.25
Objective Question				
144	144	As the dielectric constant of a medium increases A1 : Force between the charges embedded in the medium increases A2 : Force between the charges embedded in the medium remain constant **A3 : Force between the charges embedded in the medium decreases – (Correct Alternative)** A4 : Force between the charges embedded in the medium become zero	1.0	0.25
Objective Question				
145	145	The enzyme glycogen phosphorylase is involved in	1.0	0.25

		A1 : Debranching of glycogen **A2 : Phosphorolysis of glycogen to yield Glucose-1-phosphate – (Correct Alternative)** A3 : Conversion of Glucose-1-phosphate to glucose-6-phosphate A4 : Glycogen synthesis		
Objective Question				
146	146	Protein synthesis occurs from the following RNA A1 : t-RNA A2 : r-RNA **A3 : mRNA – (Correct Alternative)** A4 : siRNA	1.0	0.25
Objective Question				
147	147	Ribosomes are attached to the A1 : Smooth endoplasmic reticulum **A2 : Rough endoplasmic reticulum – (Correct Alternative)** A3 : Trans Golgi apparatus A4 : All of the above	1.0	0.25
Objective Question				
148	148	Which of the following is not a secondary lymphoid organ? **A1 : Liver – (Correct Alternative)** A2 : Spleen A3 : Tonsils A4 : Peyer’s patches	1.0	0.25
Objective Question				
149	149	Gram-positive bacterias take up purple stain because A1 : They have a thin cell membrane	1.0	0.25

		A2 : They have a thick layer of peptidoglycan – (Correct Alternative) A3 : They have more pores on the cell wall A4 : None of the above		
Objective Question				
150	150	If you start with 100 E.coli cells and grow them for 4 hours, what will be the number of cells in culture after 4 hours if the generation time of E.coli is 20 mins? A1 : 24000 A2 : 1200 **A3 : 409600 – (Correct Alternative)** A4 : 406900	1.0	0.25
Objective Question				
151	151	Which of the following is NOT an excitatory neurotransmitter A1 : Acetylcholine A2 : Epinephrine **A3 : Gamma-aminobutyric acid – (Correct Alternative)** A4 : Glutamate	1.0	0.25
Objective Question				
152	152	Propagation of impulses is **A1 : higher in myelinated axons – (Correct Alternative)** A2 : higher in non-myelinated axons A3 : same in both myelinated and non-myelinated axons A4 : None of the above	1.0	0.25
Objective Question				
153	153	Replication of cellular DNA occurs in which of the phase of cell cycle? **A1 : S-phase – (Correct Alternative)** A2 : G1 phase	1.0	0.25

		A3 : M-phase A4 : G2 phase		
Objective Question				
154	154	Small disc-shaped complex at the surface of the centromeres are called A1 : spindle fibres **A2 : kinetochores – (Correct Alternative)** A3 : sister chromatids A4 : metaphase plate	1.0	0.25
Objective Question				
155	155	Which of the following DNA sequence is a perfect palindromic sequence A1 : GGTAGC A2 : GCTCTG A3 : GGACCA **A4 : GGATCC – (Correct Alternative)**	1.0	0.25
Objective Question				
156	156	Chromosome synapsis during prophase I of meiosis is accompanied by the formation of complex protein structure called A1 : tetrad **A2 : synaptonemal complex – (Correct Alternative)** A3 : chiasmata A4 : None of the above	1.0	0.25
Objective Question				
157	157	In animals, adipocytes are specialized for the synthesis and storage of: A1 : glycogen A2 : proteins **A3 : triacylglycerol – (Correct Alternative)** A4 : glycerol	1.0	0.25

		: glycerol		
Objective Question				
158	158	Which of the following components do not participate in endocytosis? **A1 : Endoplasmic reticulum – (Correct Alternative)** A2 : Plasma membrane A3 : Clathrin A4 : Phospholipids	1.0	0.25
Objective Question				
159	159	Which of the following hormone molecule is a peptide containing intra-molecular disulphide bond? A1 : Gonadotropin releasing factor **A2 : vasopressin – (Correct Alternative)** A3 : progesterone A4 : testosterone	1.0	0.25
Objective Question				
160	160	Neurotransmitter serotonin biosynthesis starts from A1 : Tyrosine A2 : Glutamine A3 : Histamine **A4 : Tryptophan – (Correct Alternative)**	1.0	0.25
Objective Question				
161	161	Human hemoglobin exists as a A1 : monomer A2 : dimer A3 : trimer **A4 : tetramer – (Correct Alternative)**	1.0	0.25
Objective Question				
162	162	Kupffer cells are found in	1.0	0.25

		A1 : kidney A2 : lungs A3 : muscles **A4 : liver – (Correct Alternative)**		
Objective Question				
163	163	Which of the following is not an antigen presenting cell? A1 : macrophage A2 : dendritic cells **A3 : platelets – (Correct Alternative)** A4 : B lymphocytes	1.0	0.25
Objective Question				
164	164	Which of the following immune cells do not originate from myeloid progenitor? A1 : Basophil A2 : Erythrocytes **A3 : B-cells – (Correct Alternative)** A4 : Dendritic cells	1.0	0.25
Objective Question				
165	165	Which of the following immunoglobulin molecule is pentameric? A1 : IgA A2 : IgG A3 : IgD **A4 : IgM – (Correct Alternative)**	1.0	0.25
Objective Question				
166	166	Digestion of an Immunoglobulin G molecule by papain will result in A1 : Two identical fragments	1.0	0.25

		A2 : Four fragments of which two are identical **A3 : Three fragments of which two are identical – (Correct Alternative)** A4 : Four identical fragments		
Objective Question				
167	167	The large and small subunits of E.coli ribosomes have sedimentation coefficients: **A1 : 50S and 30S – (Correct Alternative)** A2 : 16S and 5S A3 : 18S and 5.8S A4 : 60S and 40S	1.0	0.25
Objective Question				
168	168	Unwinding of DNA strands during replication is done by A1 : DNA replicase **A2 : DNA helicase – (Correct Alternative)** A3 : DNA topoisomerase A4 : DNA ligase	1.0	0.25
Objective Question				
169	169	The semiconservative nature of DNA replication was first experimentally established by A1 : Hershey and Chase **A2 : Meselson and Stahl – (Correct Alternative)** A3 : Barbara McClintock A4 : Linus Pauling	1.0	0.25
Objective Question				
170	170	Which of the following antibiotics is an inhibitor of bacterial DNA-dependent RNA synthesis? A1 : Amoxycillin **A2 : Rifamycin – (Correct Alternative)**	1.0	0.25

		A3 : Chloramphenicol A4 : Clavulanic acid		
Objective Question				
171	171	The Sanger method of DNA sequencing is also called the A1 : DNA extension method **A2 : Dideoxy chain termination method – (Correct Alternative)** A3 : Chemical degradation based synthesis A4 : Sequencing by synthesis protocol	1.0	0.25
Objective Question				
172	172	A DNA element that has an ability to move or insert itself at a position within a genome to create or reverse mutations and alter the genome is called **A1 : Transposon – (Correct Alternative)** A2 : Moving DNA A3 : Gene invader A4 : Centroposon	1.0	0.25
Objective Question				
173	173	The left handed helical structure form of DNA is A1 : B form **A2 : Z form – (Correct Alternative)** A3 : D form A4 : None of the above	1.0	0.25
Objective Question				
174	174	Tonoplast is a A1 : Membrane surrounding the nucleus A2 : The plant cell vacuole **A3 : Membrane surrounding the plant cell vacuole – (Correct Alternative)** A4	1.0	0.25

		A4 : Type of chromoplast		

Objective Question

175	175	The five carbon compound that reacts with CO_2 in Calvin Cycle is A1 : Oxaloacetic acid A2 : Malic acid A3 : Alpha ketoglutaric acid **A4 : Ribulose bisphosphate – (Correct Alternative)**	1.0	0.25

Objective Question

176	176	Actin filament is responsible for **A1 : Cell movement – (Correct Alternative)** A2 : Nuclear movement A3 : Mitochondrial movement A4 : Chromosomal movement	1.0	0.25

Objective Question

177	177	In Eukaryotic based DNA replication, the lagging strand is formed by A1 : RNA fragments **A2 : Okazaki fragments – (Correct Alternative)** A3 : DNA fragments A4 : Nucleotide fragments	1.0	0.25

Objective Question

178	178	DNA gyrase **A1 : Enzyme that catalyzes the ATP dependent negative supercoiling of ds circular DNA – (Correct Alternative)** A2 : Enzyme involved in the repair of pyrimidine dimers A3 : Enzyme involved in cleaving DNA A4 : Enzyme involved in editing DNA	1.0	0.25

Objective Question

179	179	CRISPR in relation to gene editing means A1: Compact Readable Interposed Sequence Palindromic Repeats A2: Compact Readable Interposed Sequence Peptide Repeats **A3: Clustered Regularly Interspaced Short Palindromic Repeats – (Correct Alternative)** A4: Clustered Readable Interspaced Short Palindromic Repeats	1.0	0.25
Objective Question				
180	180	Flavr Savr tomato is a transgenic that was created to **A1: Increase the shelf life – (Correct Alternative)** A2: Improve antioxidant value A3: Produce antibodies A4: Improve pest resistance	1.0	0.25
Objective Question				
181	181	Desired coefficient of performance (COP), defined as ratio of desired output (cooling effect) to required input (work input), for refrigerators is **A1: Greater than one – (Correct Alternative)** A2: Less than one A3: Equal to one A4: None of the above	1.0	0.25
Objective Question				
182	182	Entropy of an isolated system A1: Never increases **A2: Never decreases – (Correct Alternative)** A3: Always stays constant A4: None of the above	1.0	0.25
Objective Question				
183	183	Temperature at which water boils can be increased by **A1: Boiling it at pressures much higher than atmospheric pressure – (Correct Alternative)**	1.0	0.25

		A2 : Boiling it at pressures below atmospheric pressure A3 : Boiling point of water cannot be changed A4 : None of the above		
Objective Question				
184	184	Which machine tool do we use to generate a cylindrical surface for a bar stock **A1 : Lathe machine – (Correct Alternative)** A2 : Milling machine A3 : Surface grinder A4 : Shaping machine	1.0	0.25
Objective Question				
185	185	Hot tear defect appears in which process A1 : Machining A2 : Forming **A3 : Casting – (Correct Alternative)** A4 : Polishing	1.0	0.25
Objective Question				
186	186	Work hardening of metals is dominant in **A1 : Cold forming – (Correct Alternative)** A2 : Hot forming A3 : Warm forming A4 : All of the above	1.0	0.25
Objective Question				
187	187	Blow holes can occur in castings because of A1 : Shrinkage of material as it solidifies A2 : Trapped gases	1.0	0.25

		A3 : Excessive moisture absorption by cores **A4 : All of the above – (Correct Alternative)**		
Objective Question				
188	188	Cooking on a gas stove in a copper vessel as opposed to stainless steel vessel results in more uniform temperatures becasue of the following reason A1 : Higher density of copper A2 : Lower elastic modulus of copper A3 : Lower specific heat of copper **A4 : Much higher thermal diffusivity of copper – (Correct Alternative)**	1.0	0.25
Objective Question				
189	189	Lowest natural frequency of a slender beam of length L and diameter D would depend on A1 : Length of the bar L A2 : Density of the bar material r A3 : Bending moment of inertia of the bar I **A4 : All of the above – (Correct Alternative)**	1.0	0.25
Objective Question				
190	190	Goodman diagram is used in the context of A1 : Low cycle fatigue **A2 : High cycle fatigue – (Correct Alternative)** A3 : Failure from plastic yield A4 : Failure from fracture	1.0	0.25
Objective Question				
191	191	Which of the following is the hardest phase of steels A1 : Ferrite A2 : Austenite **A3 : Martensite – (Correct Alternative)**	1.0	0.25

		A4 : All are equally hard		
Objective Question				
192	192	Bauschinger effect results in the following A1 : Increases corrosion resistance of materials A2 : Increases the stiffness of materials **A3 : Reduces yield stress in tension if the material was earlier loaded in compression – (Correct Alternative)** A4 : All of the above	1.0	0.25
Objective Question				
193	193	Electrical discharge machining is done in **A1 : Dielectric fluid – (Correct Alternative)** A2 : Electrolyte A3 : Inert gas A4 : Oxygen gas	1.0	0.25
Objective Question				
194	194	Cavitation damage in pumps occurs from A1 : Corrosion A2 : Erosion from particulate matter in pumping fluid **A3 : Collapse of vapour bubbles – (Correct Alternative)** A4 : All of the above	1.0	0.25
Objective Question				
195	195	Length of the diagonal, that passes through the cube center, for a unit cube is around A1 : 1 A2 : 1.414 **A3 : 1.732 – (Correct Alternative)** A4 : 2	1.0	0.25

Objective Question				
196	196	Which of the following welding techniques employs a non-consumable electrode **A1 : Tungsten inert gas welding – (Correct Alternative)** A2 : Metal inert gas welding A3 : Gas welding A4 : None of the above	1.0	0.25
Objective Question				
197	197	Which of the following flames is commonly used for welding of steels **A1 : Neutral flame – (Correct Alternative)** A2 : Carburizing flame A3 : Oxiding flame A4 : All of the above	1.0	0.25
Objective Question				
198	198	Which ISO standard is used for environment management? A1 : ISO 9000 A2 : ISO 26000 **A3 : ISO 14000 – (Correct Alternative)** A4 : ISO 31000	1.0	0.25
Objective Question				
199	199	Which one of the quality improvement tools mention the cause and effect relationship A1 : SPC (statistical process control) A2 : Six-sigma A3 : Taguchi **A4 : DOE (Design of Experiments) – (Correct Alternative)**	1.0	0.25
Objective Question				
200	200	Quality function deployment (QFD)is mainly focused on A1	1.0	0.25

		A1: To check the robustness of the parts A2: To reduce the unnecessary cost prior to production **A3: Defining customer needs or requirements – (Correct Alternative)** A4: To reduce the number of parts in the process		

PREVIEW QUESTION BANK

Module Name : WOSC09-E
Exam Date : 30-Apr-2017 Batch : 11:00-13:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
201	201	The Taguchi loss function is based on A1 : Linear distribution A2 : Negative exponential distribution A3 : Binomial distribution **A4 : Quadratic loss function – (Correct Alternative)**	1.0	0.25
Objective Question				
202	202	What will be the effect of acceptance number (c) on OC curve **A1 : Increasing acceptance number does not significantly change the shape of OC curve but Producer's risk increases – (Correct Alternative)** A2 : Increasing acceptance number does not significantly change the shape of OC curve but Producer's risk decreases A3 : Increasing acceptance number increases the shape of OC curve but it does not significantly change the Producer's risk A4 : Increasing acceptance number decreases the shape of OC curve but it does not significantly change the Producer's risk	1.0	0.25
Objective Question				
203	203	How expected time can be calculated? (a=optimistic time, b=pessimistic time, m=most likely time A1 : $\frac{a+m+b}{3}$ A2 : $\frac{4a+m+b}{6}$ **A3 : $\frac{a+4m+b}{6}$ – (Correct Alternative)** A4 : $\frac{a+m+4b}{6}$	1.0	0.25
Objective Question				
204	204	1. In a drug test the following data is given. What is the probability that the person is a Men and the test is success? Joint / Women / Men Success / 800 / 1200 Failure / 1200 / 800 A1 : 0.5	1.0	0.25

		A2 : 0.2 **A3 : 0.3 – (Correct Alternative)** A4 : 0.4		
Objective Question				
205	205	Which chart is used when the control chart is having quality characteristics as attributes and defective with constant sample size? **A1 : p chart or np chart – (Correct Alternative)** A2 : c chart or u chart A3 : X bar chart and R chart A4 : X bar chart and s chart	1.0	0.25
Objective Question				
206	206	Total cost of facility is equal to sum of the A1 : Operating cost and cost of inward transport **A2 : Cost of inward transport, outward transport and operating cost – (Correct Alternative)** A3 : Cost of inward transport, and outward transport A4 : none of these	1.0	0.25
Objective Question				
207	207	Maximum flow time A1 : Is the maximum time at which any job stays in the system A2 : Is the total protected time A3 : Is make-span **A4 : All of the above – (Correct Alternative)**	1.0	0.25
Objective Question				
208	208	Classification based on unit cost of the item is called A1 : SDE classification A2 : XYZ classification	1.0	0.25

A3 : VED classification

A4 : HML classification – (Correct Alternative)

Objective Question

209 | 209 | 1.0 | 0.25

Match the followings

a) Six sigma	1) Control the quality at particular stage
b) Inspection	2) Robust design method which leads to improve the quality of the product
c) Quality management system	3) TQM, ISO 9000, ISO 14000
d) Taguchi	4) DMAIC framework

A1 : a-4, b-2, c-3, d-1

A2 : a-4, b-1, c-3, d-2 – (Correct Alternative)

A3 : a-2, b-1, c-4, d-3

A4 : a-3, b-2, c-4, d-1

Objective Question

210 | 210 | 1.0 | 0.25

Mr. Mishra had participated in shooting event. The following A, B, C and D instances were observed for Mr. Mishra. How would you describe the shooting of Mr. Mishra?

A B C D

A1 : a)

A- Precise and accurate

B- Neither precise nor accurate

C-Accurate but not precise

D- Precise but not accurate

A2 : b)

A- Precise but not accurate

B- Accurate but not precise

C- Neither precise nor accurate

D- Precise and accurate

A3 :

c)

A- Neither precise nor accurate

B- Precise but not accurate

C- Precise and accurate

D- Accurate but not precise

A4 : d)

A- Precise but not accurate

B- Neither precise nor accurate

C-Accurate but not precise

D- Precise and accurate

– (Correct Alternative)

Objective Question

211 | 211 | 1.0 | 0.25

In Fig. 1, the power consumed by the 3 Ω resistor is

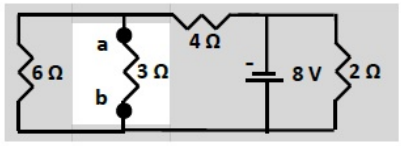


Fig. 1

A1 : 3.27 W

A2 : 2.37 W – (Correct Alternative)

A3 : 7.1 W

A4 : 3 W

Objective Question

212 | 212 | 1.0 | 0.25

The sum of two signals $v_1 = 200Sin(wt)$ and $v_2 = 150Cos(wt)$ results in

A1 : $v = 350Sin(wt + 63.13^\circ)$

A2 : $v = 350Cos(wt + 63.13^\circ)$

A3 : $v = 250Sin(wt + 36.87^\circ)$

– (Correct Alternative)

A4 : $v = 250Cos(wt + 36.87^\circ)$

Objective Question

213 | 213 | 1.0 | 0.25

The overall efficiency of a thermal power plant is around

A1 : 70%

A2 : 90%

A3 : 20% – (Correct Alternative)

		A4 : 50%		
Objective Question				
214	214	The power in a 3-phase, 4-wire circuit can be measured by using a minimum of A1 : 2 wattmeters A2 : 4 wattmeters **A3 : 3 wattmeters – (Correct Alternative)** A4 : 1 wattmeter	1.0	0.25
Objective Question				
215	215	A 5kVA single phase transformer has a core loss of 40W and full load ohmic loss of 100W. The transformer is loaded at 3kW with 0.6 power factor (lag) for 12 hours and kept at no-load for the remaining 12 hours of the day. The all day efficiency of the transformer is A1 : 96.22% A2 : 89.95% **A3 : 94.34% – (Correct Alternative)** A4 : 90.21%	1.0	0.25
Objective Question				
216	216	The characteristics of a non-linear resistance is $i = kv^4$. If i becomes 100 times, v becomes A1 : about 100 times A2 : about 10 times **A3 : about 3 times – (Correct Alternative)** A4 : twice	1.0	0.25
Objective Question				
217	217	In a series resonant circuit, the impedance of the circuit at resonant frequency is A1 : Maximum **A2 : Minimum – (Correct Alternative)** A3 : Zero	1.0	0.25

		A4 : Infinite		
Objective Question				
218	218	What will be the phase angle between two alternating waves of equal frequency, when one wave attains maximum value while the other is at zero value? A1 : 0^0 A2 : 45^0 **A3 : 90^0 – (Correct Alternative)** A4 : 180^0	1.0	0.25
Objective Question				
219	219	A star circuit of balanced impedances has each of the impedances as 30 Ω. What will be equivalent impedance of each element in delta? **A1 : 90 Ω – (Correct Alternative)** A2 : 30 Ω A3 : 0.33 Ω A4 : 10 Ω	1.0	0.25
Objective Question				
220	220	A transformer core is laminated to A1 : Reduce hysteresis loss A2 : Reduce copper losses **A3 : Reduce eddy current loss – (Correct Alternative)** A4 : All of the above	1.0	0.25
Objective Question				
221	221	In a parallel RC circuit, there is 100 mA rms current through a purely resistive branch and 100 mA rms current through purely inductive branch. The total rms current is A1 : 100mA A2 : 200mA **A3 : 141mA – (Correct Alternative)**	1.0	0.25

		A4 : 241mA		
Objective Question				
222	222	If a 100 W bulb connected to 220 volt supply consumes power for 15 minutes, what would the energy meter read, if the said bulb is the only load connected to the meter? A1 : 100 A2 : 0.1 A3 : 25 **A4 : 0.025 – (Correct Alternative)**	1.0	0.25
Objective Question				
223	223	A fundamental voltage signal is: $v(t) = 600\sin(628.3185t + \phi)$. What is its fifth harmonic? **A1 : 500 Hz – (Correct Alternative)** A2 : 20 Hz A3 : 3000 Hz A4 : 120 Hz	1.0	0.25
Objective Question				
224	224	A sinusoidal source of $v(t) = 170\sin 377t$ is applied to an RL circuit. It is found that the circuit absorbs 720 W when an effective rms current of 12 A flows through it. Find the power factor of the circuit. **A1 : 0.5 – (Correct Alternative)** A2 : 1 A3 : 0.8 A4 : 0.4	1.0	0.25
Objective Question				
225	225	A six pole, 3 phase, 50 Hz induction motor is running at 950 RPM. The percentage slip will be A1 : 3% A2 : 4% **A3 : 5% – (Correct Alternative)**	1.0	0.25

		A4 : 6%		
Objective Question				
226	226	The forward characteristic of a diode has a slope of approximately 50mA⁄V at a desired point. The approximate incremental resistance of the diode is A1 : 50Ω A2 : 35Ω **A3 : 20Ω – (Correct Alternative)** A4 : 10Ω	1.0	0.25
Objective Question				
227	227	Atria depolarization is represented in the ECG by A1 : T wave A2 : Q wave **A3 : P wave – (Correct Alternative)** A4 : S wave	1.0	0.25
Objective Question				
228	228	To measures the rate at which red blood cells sediment in 24 hour we use A1 : ECG A2 : Stress Echo A3 : ESR **A4 : Ultrasound – (Correct Alternative)**	1.0	0.25
Objective Question				
229	229	To measure resistances of very high values we use A1 : Potentiometer A2 : Ohmmeter A3 : Kelvin Bridge **A4 : Meggar – (Correct Alternative)**	1.0	0.25

Objective Question				
230	230	An ideal Trans-conductance amplifier should have **A1 : large input impedance and large output impedance – (Correct Alternative)** A2 : small input impedance and large output impedance A3 : large input impedance and small output impedance A4 : small input impedance and small output impedance	1.0	0.25
Objective Question				
231	231	For a Low Noise Amplifier at high frequency we need to match impedance at both input and output to obtain A1 : best power efficiency A2 : increased amplifier gain **A3 : reduced reflections – (Correct Alternative)** A4 : increased input impedance	1.0	0.25
Objective Question				
232	232	In an operational amplifier the concept of virtual ground at the input (voltage at the negative terminal being equated to the voltage at the positive terminal) means A1 : Output voltage much greater than input voltage A2 : The voltage difference between negative and positive terminal is zero **A3 : The voltage difference between negative and positive terminal is negligible compared to the input signal. – (Correct Alternative)** A4 : Input voltage is very small.	1.0	0.25
Objective Question				
233	233	A self biased Common Emitter amplifier with the emitter resistance not bypassed is **A1 : a Series – Series Feedback Amplifier – (Correct Alternative)** A2 : a Series – Shunt Feedback Amplifier A3 : a Shunt – Shunt Feedback Amplifier A4 : not a Feedback Amplifier	1.0	0.25
Objective Question				
234	234	A Dynamic RAM uses a	1.0	0.25

		A1 : Latch to store Data A2 : Flip-Flop to store Data **A3 : Capacitor to store Data – (Correct Alternative)** A4 : Ferrite core to store Data		
Objective Question				
235	235	A matched filter has the following characteristic **A1 : Its impulse response is the conjugate time reversed version of the known signal to be detected, – (Correct Alternative)** A2 : Its impulse response is the same as the known signal to be detected, A3 : It is an all-pass filter A4 : Its impulse response is the integration of the known signal to be detected	1.0	0.25
Objective Question				
236	236	The tossing of an unbiased coin produces the following amount of information A1 : Zero bits **A2 : One bit – (Correct Alternative)** A3 : Between one and two bits A4 : Two bits	1.0	0.25
Objective Question				
237	237	If three resistors of different values are connected in parallel and connected to a voltage source, then the power dissipated shall be **A1 : Maximum across the smallest resistance – (Correct Alternative)** A2 : Maximum across the largest resistance A3 : Maximum across the resistance with middle value A4 : Same across all the three resistances	1.0	0.25
Objective Question				
238	238	A 5 KHz co-sinusoidal signal is sampled at 8 KHz and reconstructed ideally. The frequency of the reconstructed signal will be A1 : 2 KHz	1.0	0.25

		A2 : 3KHZ – (Correct Alternative) A3 : 5KHZ A4 : 8KHZ		
Objective Question				
239	239	The process of transmitting two or more signals simultaneously over the same channel is called A1 : Modulation A2 : Mixing **A3 : Multiplexing – (Correct Alternative)** A4 : Broadcasting	1.0	0.25
Objective Question				
240	240	If human speech signal is sampled at 8 KHz and quantized using 16 bits, then an 80 GB hard-disk can store approximately the following number of minutes of speech **A1 : 83333 – (Correct Alternative)** A2 : 10417 A3 : 174 A4 : 1389	1.0	0.25
Objective Question				
241	241	Which of the following is/are correct in-order traversal sequence(s) of binary search tree(s)? (i) 3, 5, 7, 8, 15, 19, 25 (ii) 5, 8, 9, 12, 10, 15, 25 (iii) 2, 7, 10, 8, 14, 16, 20 (iv) 4, 6, 7, 9, 18, 20, 25 **A1 : (i) and (iv) only – (Correct Alternative)** A2 : (ii) and (iii) only A3 : (i) and (ii) only A4 : (iii) and (iv) only	1.0	0.25
Objective Question				

242	242	The output of the following C program is _____.
		`void f1 (int a, int b)`
		`{`
		`  int c;`
		`  c=a; a=b; b=c;`
			1.0	0.25

```
}
void f2 (int *a, int *b)
{
  int c;
  c=*a; *a=*b;*b=c;
}
int main()
{
  int a=4, b=5, c=6;
  f1(a, b);
  f2(&b, &c);
  printf ("%d", c-a-b);
  return 0;
}
```

A1 : -5 – (Correct Alternative)

A2 : -3

A3 : 4

A4 : 5

Objective Question				
243	243	What are the worst-case complexities of insertion and deletion of a key in a binary search tree? A1 : O(log n) for both insertion and deletion **A2 : O(n) for both insertion and deletion – (Correct Alternative)** A3 : O(n) for insertion and O(log n) for deletion A4 : O(log n) for insertion and O(n) for deletion	1.0	0.25
Objective Question				
244	244	The height of a tree is the length of the longest root-to-leaf path in it. The maximum and minimum numbers of nodes in a binary tree of height 5 are A1 : 64 and 5 respectively **A2 : 63 and 6 respectively – (Correct Alternative)** A3 : 31 and 5 respectively A4 : 32 and 6 respectively	1.0	0.25
Objective Question				
245	245	In Unix, Which system call creates the new process? **A1 : fork – (Correct Alternative)** A2 : create A3 : new	1.0	0.25

		new A4 : none of the mentioned		
Objective Question				
246	246	A set of processes is deadlock if **A1 : each process is blocked and will remain so forever – (Correct Alternative)** A2 : each process is terminated A3 : all processes are trying to kill each other A4 : none of the mentioned	1.0	0.25
Objective Question				
247	247	Which one of the following is the deadlock avoidance algorithm? **A1 : Banker's algorithm – (Correct Alternative)** A2 : Round-robin algorithm A3 : Elevator algorithm A4 : Karn's algorithm	1.0	0.25
Objective Question				
248	248	In C programming language, an array ARR[i][j] can be written as A1 : `*(a+i+j)` **A2 : `*(*(a+i)+j)` – (Correct Alternative)** A3 : `**(a+i+j)` A4 : `*(*(a+j)+i)`	1.0	0.25
Objective Question				
249	249	What is the worst case time complexity of Quick sort? A1 : O(n) A2 : O(log n) **A3 : $O(n^2)$ – (Correct Alternative)** A4 : O(nlog n)	1.0	0.25

		:		
Objective Question				
250	250	When generating physical addresses from logical address the offset is stored in A1 : Translation look-aside buffer **A2 : Relocation register – (Correct Alternative)** A3 : Page table A4 : Shift register	1.0	0.25
Objective Question				
251	251	The unit which acts as an intermediate agent between memory and backing store to reduce process time is A1 : TLB's A2 : Registers A3 : Page tables **A4 : Cache – (Correct Alternative)**	1.0	0.25
Objective Question				
252	252	The register used to store the flags is called as A1 : Flag register **A2 : Status register – (Correct Alternative)** A3 : Test register A4 : Log register	1.0	0.25
Objective Question				
253	253	In a normal n-bit adder, to find out if an overflow as occured we make use of A1 : And gate A2 : Nand gate A3 : Nor gate **A4 : Xor gate – (Correct Alternative)**	1.0	0.25
Objective Question				
254	254	An endpoint of an inter-process communication flow across a computer network is called	1.0	0.25

		An endpoint of an inter-process communication flow across a computer network is called **A1: Socket – (Correct Alternative)** A2: Pipe A3: Port A4: None of the mentioned		
Objective Question				
255	255	Which one of the following routing algorithm can be used for network layer design? A1: Shortest path algorithm A2: Distance vector routing A3: Link state routing **A4: All of the mentioned – (Correct Alternative)**	1.0	0.25
Objective Question				
256	256	Which of the following is true regarding regular expression? A1: (01)*0 = 0(10)* A2: (0+1)*0(0+1)*1(0+1) = (0+1)*01(0+1)* A3: (0+1)*01(0+1)*+1*0* = (0+1)* **A4: All of the mentioned – (Correct Alternative)**	1.0	0.25
Objective Question				
257	257	Identify the disadvantage of Spiral Model for Software Engineering **A1: Doesn't work well for smaller projects – (Correct Alternative)** A2: High amount of risk analysis A3: Strong approval and documentation control A4: Additional Functionality can be added at a later date	1.0	0.25
Objective Question				
258	258	Which is not present in a computer processor? A1: ALU	1.0	0.25

		A2 : Control Unit **A3 : Memory – (Correct Alternative)** A4 : Registers		
Objective Question				
259	259	Which of the following have the fastest access time? **A1 : Semiconductor Memories – (Correct Alternative)** A2 : Magnetic Disks A3 : Magnetic Tapes A4 : Compact Disks	1.0	0.25
Objective Question				
260	260	If there are n number of Boolean variables in an expression, then the number of rows in the truth table are **A1 : 2^n – (Correct Alternative)** A2 : n^2 A3 : 2n A4 : None of these	1.0	0.25
Objective Question				
261	261	Which of these are Universal gate? A1 : NAND A2 : NOR **A3 : Both (A) & (B) – (Correct Alternative)** A4 : None of these	1.0	0.25
Objective Question				
262	262	Which of the following is the proper declaration of a pointer in the C/C++ programming language? A1 : int x A2 : int &x	1.0	0.25

		A3 : *int x **A4 : int *x – (Correct Alternative)**		
Objective Question				
263	263	A stack is a linear list implemented in **A1 : LIFO – (Correct Alternative)** A2 : FIFO A3 : SIFO A4 : FISO	1.0	0.25
Objective Question				
264	264	Which of the following sorting methods would be most suitable for sorting a list which is almost sorted? **A1 : Bubble Sort – (Correct Alternative)** A2 : Insertion Sort A3 : Selection Sort A4 : Quick Sort	1.0	0.25
Objective Question				
265	265	Mutual exclusion implies that **A1 : If a process is executing in its critical section, then no other process must be executing in their critical sections – (Correct Alternative)** A2 : If a process is executing in its critical section, then other processes must be executing in their critical sections A3 : If a process is executing in its critical section, then all the resources of the system must be blocked until it finishes execution A4 : None of these	1.0	0.25
Objective Question				
266	266	A set of one or more attributes that can uniquely identified tuples within the relation is known as **A1 : Primary Key – (Correct Alternative)** A2 : Alternate Key A3 : Foreign Key A4 : None of these	1.0	0.25

		: None of these		
Objective Question				
267	267	Standard language for RDBMS is A1 : **SQL – (Correct Alternative)** A2 : PASCAL A3 : JAVA A4 : C++	1.0	0.25
Objective Question				
268	268	The transmission media that facilitate mobility for long distances are A1 : Microwave A2 : **Radio Wave – (Correct Alternative)** A3 : Infrared Wave A4 : None of these	1.0	0.25
Objective Question				
269	269	The layered set of protocols that handles the way data is transmitted across Internet A1 : **TCP/IP – (Correct Alternative)** A2 : FTP A3 : PPP A4 : Telnet	1.0	0.25
Objective Question				
270	270	Given the following definitions in C language, what is the value of b[1][1]? int b[3][2]={{1, 2},(3, 4),(5)); A1 : **3 – (Correct Alternative)** A2 : 4 A3 : 5 A4 : None of these	1.0	0.25