GS & EA 15th December 2018 AN (2-4 PM)

- 1. Consider the following statements regarding 'data structures':
 - 1. In Hash table, access time is independent of the size *n* of the collection
 - 2. In Search tree, elements are accessible in their natural order

Which of the above statements is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 2. Consider the following statements with reference to 'Open Market Operations' (OMO):
 - 1. OMO makes the bank rate policy more effective
 - 2. OMO can be used to bear out seasonal shocks
 - 3. OMO helps in stabilizing the prices of securities

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

- 3. Which of the following shells are found in the 'UNIX operating system'?
 - 1. Bourne shell
 - 2. C shell
 - 3. Korn shell
 - 4. Restricted shell

- (a) 1, 2 and 3 only
- (b) 1, 2 and 4 only
- (c) 1, 3 and 4 only
- (d) 1, 2, 3 and 4
- 4. A 'Brouter' combines the features of a:
 - (a) Router and a Gateway
 - (b) Bridge and a Gateway
 - (c) Router and a Bridge
 - (d) Bridge and a Repeater
- 5. Which Microsoft *TCP/IP* (Transfer Control Protocol) / (Internet Protocol) can be used over the Internet to create a secure virtual network?
 - (a) SLIP (Serial Line Internet Protocol)
 - (b) PPTP (Point-to-Point Tunneling Protocol)
 - (c) TCP (Transfer Control Protocol)
 - (d) HTTP (Hyper Text Transfer Protocol)

- 6. 'Mahila Udyog Nidhi' is a special scheme for promoting women entrepreneurship and operated through:
 - (a) Reserve Bank of India and State Bank of India
 - (b) State Financial Corporations and Scheduled Commercial Banks
 - (c) State Ministry of Women and Child Welfare
 - (d) Central Ministry of Women and Child Welfare
- 7. Which one of the following is **not** covered under the rules framed by 'World Trade Organization' (WTO)?
 - (a) General Agreement on Tariffs and Trade (*GATT*)
 - (b) General Agreement on Trade in Services (*GATS*)
 - (c) General Agreement on International Collaboration (GAIC)
 - (d) Agreement on Trade-Related Aspects of Intellectual Property Rights (*TRIPS*)
- 8. 'Hutton Theory' explains the origin of 'Untouchability' due to:
 - (a) People doing certain dirty professions are excluded from mixing with others
 - (b) Partly racial, partly religious and partly a matter of social customs
 - (c) Idea of Purity and Impurity
 - (d) People occupying dirty occupations are condemned, considered as dirty and untouchables

- 9. Which one of the following statements is correct regarding 'Sukanya Samriddhi Yojana' (SSY)?
 - (a) It is a Government of India backed saving Scheme targeted at the parents of girl children
 - (b) The Scheme was launched in January 2016 as a part of 'Beti Bachao, Beti Padhao' campaign
 - (c) Parents can open a minimum of two accounts for each of their children (exception allowed for twins and triplets)
 - (d) A girl can operate her account after she reaches the age of 20 years
- 10. Macroeconomics is also known as theory of:
 - (a) Income and Employment
 - (b) General Level Price and Inflation
 - (c) Economic Growth
 - (d) Distribution
- 11. In a race, A beats B by 40 metres and C by 62.5 metres. B beats C by 3 seconds. A takes 2 minutes to finish. Which one of the following statements is correct?
 - (a) C takes 2 minutes and 8 seconds to finish the race
 - (b) B beats C by 20 metres
 - (c) A beats B by 3 seconds
 - (d) B takes 2 minutes and 4 seconds to finish the race

- 12. A manufacturer of TV sets produced 600 *units* in the 3rd year and 700 *units* in the 7th year. Assuming that the production increases uniformly by a fixed number every year, production of TV units on 10th year will be:
 - (a) 725 *units*
 - (b) 750 *units*
 - (c) 775 *units*
 - (d) 825 units
- 13. A dealer sells a toy for *Rs*. 24 and gains as much percent as the cost price of the toy. The cost price of the toy will be:
 - (a) Rs. 32
 - (b) Rs. 28
 - (c) Rs. 24
 - (d) Rs. 20
- 14. In a circle of radius 21 cm, an arc subtends an angle of 60° at the centre. Then the area of the sector formed by the arc will be:
 - (a) $231 cm^2$
 - (b) $233 cm^2$
 - (c) $235 cm^2$
 - (d) $237 cm^2$

- 15. A cube having 6 *cm* side is painted yellow on two opposite faces, blue on two other faces and green on rest of the faces. It is then cut into 216 *cubes* of 1 *cm* side. The number of small cubes without any face painted will be:
 - (a) 16
 - (b) 24
 - (c) 42
 - (d) 64
- 16. A path has to be laid around a rectangular $(20 m \times 10 m)$ building. The area of the path is $136 m^2$. The width of the path will be:
 - (a) 4 m
 - (b) 3 *m*
 - (c) 2 m
 - (d) 1 m
- 17. Prashant ranked 8th from the top and 38th from the bottom in a class. The number of students in the class was:
 - (a) 43
 - (b) 44
 - (c) 45
 - (d) 46

- 18. By how many degrees the Earth rotates in one minute?
 - (a) 2°
 - (b) 4°
 - (c) 6°
 - (d) 8°
- 19. In a town 65 % people read Hindustan Times (HT), 40 % people read Economic Times (ET) and 25 % people read both (HT) and (ET). People neither read (HT) or (ET) will be:
 - (a) 05 %
 - (b) 10 %
 - (c) 15 %
 - (d) 20 %
- 20. A shop keeper gives discount of 10 % on the marked price of a book, but in the bargain makes a profit of 10 %. If the marked price of the book is *Rs*. 330, the cost price of the book is:
 - (a) Rs. 220
 - (b) Rs. 270
 - (c) Rs. 320
 - (d) Rs. 380

- 21. The rank of the matrix $A = \begin{bmatrix} 1 & 2 & 3 \\ 1 & 4 & 2 \\ 2 & 6 & 5 \end{bmatrix}$ is:
 - (a) 0
 - (b) 1
 - (c) 2
 - (d) 3
- 22. Maximum value of the function $f(x) = \sin x (1 + \cos x)$ is at a point x equal to:
 - (a) $\frac{\pi}{6}$
 - (b) $\frac{\pi}{4}$
 - (c) $\frac{\pi}{3}$
 - (d) $\frac{\pi}{2}$
- 23. The value of integral $\int_0^{\pi} \theta \sin^2 \theta \cos^4 \theta \ d\theta$ is equal to:
 - (a) $\frac{\pi^2}{16}$
 - (b) $\frac{\pi^2}{32}$
 - (c) $\frac{\pi^2}{42}$
 - $(d) \qquad \frac{\pi^2}{64}$

24. The expression $\frac{(\cos \theta + i \sin \theta)^8}{(\sin \theta + i \cos \theta)^4}$ is equal to:

- (a) $\cos 12 \theta + i \sin 12 \theta$
- (b) $\cos 12 \theta i \sin 12 \theta$
- (c) $-\cos 12 \theta + i \sin 12 \theta$
- (d) $-\cos 12 \theta i \sin 12 \theta$

25. Consider the following data:

Age(years)	0-6	6-12	12-18	18-24	24-30	30-36	36-42
Frequency	6	11	25	35	18	12	6

The mode is:

- (a) 22.44
- (b) 21.22
- (c) 20.22
- (d) 18.66

26. For the regression equations:

$$x = 0.4 y + 6.4$$
 and $y = -0.6 x + 4.6$

Then r^2 is given as:

- (a) 0.49
- (b) 0.38
- (c) 0.24
- (d) 0.16

- 27. Recurrence formula for Poisson distribution is:
 - (a) $P(r) = \frac{1}{r+1}P(r+1)$
 - (b) $P(r+1) = \frac{m}{r+1}P(r)$
 - (c) $P(r) = \frac{m}{r+1}P(r+1)$
 - (d) $P(r+1) = \frac{1}{r+1}P(r)$
- 28. The diameter of an electric cable is assumed to be continuous random variable with Probability density function:

$$f(x) = 6x(1-x), \qquad 0 \le x \le 1$$

Its mean will be:

- (a) 0
- (b) 1
- (c) $\frac{1}{2}$
- (d) $\frac{1}{20}$
- 29. The mean for normal distribution is:
 - (a) 3
 - (b) 2
 - (c) 1
 - (d) 0

UPSC MAINS General Studies KIT (Combo)



- 100% NEW UPSC MAINS GS Syllabus Covered
- 2400+ Pages with Questions
- Online Coaching Access
- > 1 Year Gist of The Hindu, Yojana, Pib Etc.(PDF Copy)
- > 1 Year Weekly, Monhtly Current Affairs (PDF Copy)

for Exam Help Call Us at: +91 8800734161



IAS EXAM PORTAL

What you will get:

- 100% G.S. Mains Syllabus Covered
- Total 04 Booklets on GS Mains (All four papers)
- More Than 1500+ Pages
- Gist of Yojana, Kurushetra, Science Reporter and The Hindu (pdf)
- Practice papers for GS Mains papers I,II,III & IV (PDF Copy)
- Model Answers for GS Mains Papers I,II,III & IV (PDF Copy)
- Weekly Current Affairs One year (PDF Copy)
- GS Mains Categorized Papers of last 3 years (PDF Copy)
- With Guidance & Support from Experts
- 3 Years UPSC General Studies Mains Solved Papers
- Guidance & Support from Our Experts

Price of the Kit: Rs. 15,000

Rs. 4,999/-











Order Online (100% Safe)

Click here for Other Payment Options (Cash/NEFT/etc)

FOR MORE DETAILS VISIT:

http://iasexamportal.com/SK-105



CLICK HERE

30. What is the type of the following partial differential equation?

$$x^{2} \frac{\partial^{2} u}{\partial y^{2}} + 2 xy \frac{\partial^{2} u}{\partial x \partial y} + y^{2} \frac{\partial^{2} u}{\partial x^{2}} = 0$$

- (a) Hyperbolic
- (b) Parabolic
- (c) Elliptic
- (d) Circular
- 31. Which of the following are the basic types of scaffolds?
 - (a) Double scaffold, Steel scaffold and Tower scaffold
 - (b) Tower scaffold, Cantilever scaffold and Patented scaffold
 - (c) Tower scaffold, Cantilever scaffold and Mechanical Aid
 - (d) Double scaffold, Steel scaffold and Mechanical Aid
- 32. Which one of the following methods of projection is now recommended by the 'Bureau of Indian Standards'?
 - (a) First-angle projection method
 - (b) Second-angle projection method
 - (c) Third-angle projection method
 - (d) Fourth-angle projection method

- 33. Which one of the following is the correct instruction regarding preliminary evacuation?
 - (a) Review evacuation instructions posted in hallways
 - (b) Review exit locations and emergency travel routes
 - (c) Outline fire emergency response procedures
 - (d) Instruct employees not to reenter the building until the 'all clear' signal is given by a designated individual
- 34. Consider the following statements with reference to Traces:
 - 1. When a plane is perpendicular to reference plane, its projections on that plane is a straight line
 - 2. When the plane is parallel to reference plane, its projections on that plane shows its true shape and size

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 35. Imagine a cuboid is placed in front of a vertical plane on the H.P. The method of projections in which the visual rays (edges) make an angle of 60° with the plane of projection is known as:
 - (a) Isometric projections
 - (b) Orthographic projections
 - (c) Oblique projections
 - (d) Perspective projections

- 36. Which one of the following systems is recommended for the general rules of dimensioning?
 - (a) Unidirectional system
 - (b) Bidirectional system
 - (c) Aligned system
 - (d) Both unidirectional system and aligned system
- 37. A sectional plane is perpendicular to both the reference planes, the true shape of the section will be shown on the:
 - (a) Sectional top view
 - (b) Sectional front view
 - (c) Sectional side view
 - (d) Auxiliary side view
- 38. Consider the following statements regarding CAD:
 - 1. CAD increases the accuracy and productivity of designer
 - 2. CAD improves the quality of drawings produced
 - 3. In CAD, the transfer of drawings is cheaper
 - 4. CAD requires more storage space

- (a) 1, 2 and 4 only
- (b) 2, 3 and 4 only
- (c) 1, 3 and 4 only
- (d) 1, 2 and 3 only

- 39. When the section plane is inclined to the axis and is parallel to one of the generators, the section is known as:
 - (a) Ellipse
 - (b) Parabola
 - (c) Hyperbola
 - (d) Epicycloid
- 40. A diagonal scale of $RF = \frac{1}{250}$ is constructed to read upto 1 km and to read meters on it. The length of the scale is:
 - (a) 8 *cm*
 - (b) 40 cm
 - (c) 80 cm
 - (d) 400 cm
- 41. In which one of the following stages of the process of quality improvement, the employees are convinced to focus the efforts and costs on producing very little non-conformities?
 - (a) Introduction stage
 - (b) Consolidation stage
 - (c) Commitment stage
 - (d) Maturity stage

- 42. A leader in *TQM* focus on:
 - 1. Quest for excellence
 - 2. Creating the right attitudes
 - 3. Controls to make prevention of defects possible
 - 4. Optimize customer satisfaction

- (a) 1, 2 and 3 only
- (b) 1, 2 and 4 only
- (c) 3 and 4 only
- (d) 1, 2, 3 and 4
- 43. *TQM* application of scientific principles and artistic skills is to improve which areas of the organization?
 - 1. Product supplies to an organization
 - 2. Service supplies to an organization
 - 3. All the processes within an organization

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 1 and 3 only
- (d) 2 and 3 only

- 44. A vendor goes through several levels of acceptance before being indentified as a long term partner:
 - 1. Preferred vendors
 - 2. Approved vendors
 - 3. Certified vendors

What is the correct sequence of order of levels?

- (a) 1, 2 and 3
- (b) 2, 3 and 1
- (c) 1, 3 and 2
- (d) 2, 1 and 3
- 45. In which of the following categories the Total Customer Satisfaction (*TCS*) teams are awarded the points?
 - 1. Remedies
 - 2. Brand extension
 - 3. Analysis Techniques
 - 4. Training

- (a) 1 and 4 only
- (b) 2 and 4 only
- (c) 1 and 3 only
- (d) 2 and 3 only

- 46. Consider the following statements regarding Deming's principles of vendor selection:
 - 1. The gap between vendor and buyer must be closed to choose methods and material that improve customer satisfaction
 - 2. In selecting a vendor, the procurement cost should be taken into account
 - 3. A company buys not only vendors products but also its process

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 47. Which of the following are the disadvantages to the organization moving towards multiple-supplier items?
 - 1. A price-dependent relationship develops in between buyer and vendor
 - 2. There is increased variability in incoming quality even if individual vendor's processes are stable
 - 3. A long term relationship with a quality conscious vendor is developed
 - 4. Vendors have no motivation to change their process to meet the buyer's specifications

- (a) 1, 2 and 4 only
- (b) 1, 2 and 3 only
- (c) 1, 3 and 4 only
- (d) 1, 2, 3 and 4

- 48. Consider the following stages of maturity in Crosby's quality management grid:
 - 1. Awakening
 - 2. Enlightenment
 - 3. Wisdom
 - 4. Uncertainty
 - 5. Certainty

What is the correct sequence of order of stages?

- (a) 5, 3, 2, 1 and 4
- (b) 4, 3, 2, 1 and 5
- (c) 5, 1, 2, 3 and 4
- (d) 4, 1, 2, 3 and 5
- 49. Consider the following various functions of a quality systems audit based on standards specified in *ISO* 9001:
 - 1. Design
 - 2. Staffing
 - 3. Management
 - 4. Inspection
 - 5. Marketing

Which of the above functions are correct?

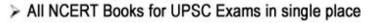
- (a) 1, 3, 4 and 5 only
- (b) 1, 2, 4 and 5 only
- (c) 2, 3 and 5 only
- (d) 1, 2, 3 and 4 only

- 50. Which of the following factors affect the 'Quality of Conformance'?
 - 1. Site construction methods
 - 2. Technical specifications
 - 3. Supervision and control
 - 4. Inspection

- (a) 1, 2 and 3 only
- (b) 1, 2 and 4 only
- (c) 1, 3 and 4 only
- (d) 2, 3 and 4 only
- 51. For a steady state system, the law of conservation of mass states that:
 - (a) Input rate output rate = Decay rate
 - (b) Input rate + output rate = Decay rate
 - (c) Input rate output rate = 0
 - (d) Input rate + output rate = 0
- 52. A critical point in a river occurs where:
 - (a) The withdrawal rate of dissolved oxygen is faster than the reaeration rate
 - (b) The withdrawal rate of dissolved oxygen is slower than the reaeration rate
 - (c) The withdrawal and reaeration rates are equal
 - (d) The dissolved oxygen reaches a minimum at a particular location and time

Gist of *NCERT* Books Study Kit





- Concise and to the point
- Page: 800+
- With Practice MCQ
- Old and New NCERT (Class XI XII) Compilation







SAFE for Exam Help Call Us at: +91 8800734161, 9958790414



What you will get:

- 800+ Pages (5 Books)
- All Old and new NCERT Important Material for UPSC Exam
- From Class-6 to Class-12 Compilation
- The Gist of NCERT History (Old & New)
- The Gist of NCERT Indian Polity (Old & New)
- The Gist of NCERT Geography (Old & New)
- The Gist of NCERT General Science (Old & New)
- The Gist of NCERT Indian Economy (Old & New)
- Practice MCQ included in every Booklet
- IAS Planner (PDF Copy)
- **UPSC PRE 10 Year Solved Papers (PDF Copy)**

Price of the Kit: Rs. 3,000

Rs. 1,499/-(Limited time Offer









Net Banking

Order Online (100% Safe)

Click here for Other Payment Options (Cash/NEFT/etc) FOR MORE DETAILS CLICK HERE



- 53. The air quality for nitrogen dioxide (NO_2) in Delhi is $470 \,\mu g/m^3$ at 25° C and $1 \,atm$ of pressure. The concentration of (NO_2) will be:
 - (a) $0.18 \, ppm$
 - (b) 0.20 *ppm*
 - (c) 0.22 ppm
 - (d) $0.25 \, ppm$
- 54. The ozone which resides in:
 - (a) Stratosphere protect life by absorbing long-wave length ultraviolet radiations
 - (b) Atmosphere protect life by absorbing short-wave length ultraviolet radiations
 - (c) Atmosphere protect life by absorbing long-wave length ultraviolet radiations
 - (d) Stratosphere protect life by absorbing short-wave length ultraviolet radiations
- 55. The permissible limit of fluoride in drinking water as per *ISI* standard (*IS*: 10500-2003) is:
 - (a) 2.0 *ppm*
 - (b) 1.5 *ppm*
 - (c) 1.0 *ppm*
 - (d) 0.5 *ppm*

(d)

56.	<i>EL-Nino phenomenon</i> occurs due to a major shift in the atmosphe pressure as the reversal of trade winds direction over the central equator pacific ocean that leads to the spread of warm water towards:				
	(a)	North			
	(b)	South			
	(c)	East			

- 57. The complex level of biodiversity is:
 - (a) Species biodiversity

West

- (b) Ecosystem biodiversity
- (c) Genetic biodiversity
- (d) Genus biodiversity
- 58. The substance which is primarily responsible for raising pH of rainwater is:
 - (a) Carbon dioxide
 - (b) Sulphur dioxide
 - (c) Ammonia
 - (d) Carbon monoxide
- 59. The main constituents of photochemical smog are:
 - (a) Sulphur dioxide, Nitrogen dioxide and Nitric oxide
 - (b) Nitrogen dioxide, Ozone and Nitric oxide
 - (c) Sulphur dioxide, Ozone and Hydroflurocarbons
 - (d) Nitrogen dioxide, Ozone and Hydroflurocarbons

60.	Due to heavy traffic in the morning, the concentration of:					
	(a)	NO is more than NO_2				
	(b)	NO_2 is more than NO				
	(c)	NO and NO_2 are almost identical				
	(d)	SO_2 is more than NO_2				
61.		ch can be represented as a network, that shows the elements of a tioning system and the way they are interrelated or linked?				
		1. System structure				
		2. Subsystem structure				
	(a)	1 only				
	(b)	2 only				
	(c)	Both 1 and 2				
	(d)	Neither 1 nor 2				
62.		ch one of the following ratios are computed on the basis of projected res of current assets and current liabilities?				
	(a)	Liquidity ratios				
	(b)	Debt-equity ratios				
	(c)	Stock turnover ratios				
	(d)	Profitability ratios				

- 63. In the method of evaluation of the project profitability, the ratio of original investment to annual income is said to be:
 - (a) Return on Investment (ROI)
 - (b) Pay Back Period (*PBP*)
 - (c) Net Present Value (*NPV*)
 - (d) Initial Rate of Return (IRR)
- 64. Reconciliation report is a form of:
 - (a) Inventory report
 - (b) Capacity utilization report
 - (c) Financial report
 - (d) Sales report
- 65. Generally in Disaster project:
 - (a) Capital cost is high and project time is low
 - (b) Capital cost is low and project time is low
 - (c) Capital cost is high and project time is high
 - (d) Capital cost is low and project time is high
- 66. What is *PEP* in Project Management?
 - (a) Project Evaluation Plan
 - (b) Project Execution Plan
 - (c) Project Exercise Plan
 - (d) Performance Evaluation Plan

- 67. The economic interpretation of the rate of return on the unrecovered investment balance in the project is:
 - (a) Internal Rate of Return (*IRR*)
 - (b) External Rate of Return (*ERR*)
 - (c) Minimum Acceptable Rate of Return (MARR)
 - (d) Rate of Interest (*ROI*)
- 68. The analysis to know what will happen to the viability of the project when some variable like sales or investment deviates from the expected value?
 - (a) Break-Even -Analysis
 - (b) Case Analysis
 - (c) Scenario Analysis
 - (d) Sensitivity Analysis
- 69. 3 'R's of contracting are:
 - (a) Responsibility, Reimbursement and Risk
 - (b) Responsibility, Right and Risk
 - (c) Reimbursement, Right and Risk
 - (d) Reimbursement, Responsibility and Right
- 70. The expression which is used to represent the variance between the original sanctioned cost and the final cost incurred is:
 - (a) Cost turn over
 - (b) Cost overrun
 - (c) Capital cost
 - (d) Project Sickness

71.	. In tensile stress, the engineering stress corresponding to the maximum is termed as:		
	(a)	Upper yield stress	
	(b)	Lower yield stress	
	(c)	Yield strength	
	(d)	Tensile strength	
72.	Ducti	le-Brittle transition temperature for steel depends on:	
	(a)	Strain rate	
	(b)	Tensile strength	
	(c)	Grain size	
	(d)	Shear modulus	
73.	_	property of materials that resist penetration or indentation by means of ion or scratching is known as:	
	(a)	Strength	
	(b)	Toughness	
	(c)	Hardness	
	(d)	Brittleness	
74.	The	crime that is committed by either commission or omission is:	
	(a)	Employee crime	
	(b)	White collar crime	
	(c)	Embezzlement and fraud	
	(d)	Trade secrets	

- 75. An equillibrium defect in which Frenkel and Schottky defects are likely to form:
 - (a) Vacancies
 - (b) Dislocations
 - (c) Stacking faults
 - (d) Grain boundaries
- 76. Which one of the following Crystal Systems is having an Interaxial Angles of $\alpha = \gamma = 90^{\circ} \neq \beta$?
 - (a) Hexagonal
 - (b) Tetragonal
 - (c) Rhombohedral
 - (d) Monoclinic
- 77. Consider the following data regarding BCC iron for the (220) set of planes:

$$a = 0.2866 \, nm$$
 (Lattice parameter for Fe)

$$h = 2$$

$$k = 2$$

$$l = 0$$

The interplanar spacing will be:

- (a) 0.3239 nm
- (b) 0.2126 *nm*
- (c) 0.1013 nm
- (d) 0.0866 nm

78.	For a binary system, when 3 phases are present, the number of degrees of freedom will be:					
	(a)	0				
	(b)	1				
	(c)	2				
	(d)	3				
79.	and	A 305 mm long copper piece is pulled in tension with a stress of 276 MPa and with its modulus of elasticity E of 110 GPa . If the deformation is entirely elastic, the resultant elongation will be:				
	(a)	0.45~mm				
	(b)	0.57 <i>mm</i>				
	(c)	0.65~mm				
	(d)	0.77 <i>mm</i>				
80.	Which one of the following factors affects the selection of materials regarding 'thermal conductivity'?					
	(a)	Manufacturing process				
	(b)	Functional requirement				
	(c)	Cost consideration				
	(d)	Operating parameter				

81.	The a	rt of breaking of ciphers is called:
	(a)	Cryptanalysis
	(b)	Cryptography
	(c)	Cryptology
	(d)	Cipherology
82.	A dig	ital signature is a mathematical technique used to check:
	(a)	The authenticity, integrity and nonrepudiation of a message
	(b)	The clarity of the messages
	(c)	The attacks from the viruses
	(d)	The handwritten signatures
83.	Whic	h one of the following is a keyword in Java?
	(a)	True
	(b)	Static
	(c)	False
	(d)	Null
84.	Whic	ch of the following are the integer types of Java?
	(a)	char, int, short, byte
	(b)	int, short, char, long
	(c)	byte, int, char, long

85.	Which one of the following is more efficient multiway branch approach in Java?					
	(a)	switch				
	(b)	if				
	(c)	else if				
	(d)	if-else-if				
86.	A tec	chnology which uses the hiding of the information in a picture is called:				
	(a)	Steganography				
	(b)	Image Rendering				
	(c)	Bitmapping				
	(d)	Root kits				
87.	The p	presentation quality and the size of image storage depend on:				
	(a)	Resolution and color depth				
	(b)	Color pallets				
	(c)	Color models				
	(d)	Color combinations				
88.		server Replication is a technique for improving the performance of r side is called:				
	(a)	Caching				
	(b)	Mirroring				
	(c)	Flash crowds				
	(d)	Proxy				

89.	Whi	Which one of the following is <i>not</i> belonging to the string class in Java?				
	(a)	boolean equals (str)				
	(b)	int indexOf (str)				
	(c)	int void ()				
	(d)	char charAt(index)				
90.	Meth	nods declared as 'static' have following restrictions:				
		1. They can directly call only other 'static' methods				
		2. They can directly access only 'static' data				
		3. They do not have a 'this' reference				
	Whi	Which of the above are correct?				
	(a)	1 and 2 only				
	(b)	1 and 3 only				
	(c)	2 and 3 only				
	(d)	1, 2 and 3				
91.		s better for a city to be governed by a good man than by good laws'. said this?				
	(a)	Plato				
	(b)	Aristotle				
	(c)	Socrates				
	(d)	Karl Marx				

- 92. An exoteric care about a tribe is called:
 - (a) Marginal care
 - (b) Communitarian care
 - (c) Peripheral care
 - (d) Respite care

- 93. The justice which is based on an integration of care, corrective justice and distributive justice is called:
 - (a) Distributive justice
 - (b) Institutional justice
 - (c) Retributive justice
 - (d) Corrective justice

- 94. Cost and benefit will have to be measured in:
 - (a) Ethical scale of reward and punishment
 - (b) Measurement of scale of reward and punishment
 - (c) Likert scale of reward and punishment
 - (d) Normal scale of reward and punishment

- 95. Consider the following:
 - 1. Competitive negotiation
 - 2. Principled negotiation
 - 3. Avoidance
 - 4. Collective bargaining

Which of the above are the basic styles of conflict management?

- (a) 1, 2 and 4 only
- (b) 1, 3 and 4 only
- (c) 2, 3 and 4 only
- (d) 1, 2 and 3 only
- 96. A profession has its specific fulfillment and final cause is:
 - (a) Logos
 - (b) Telos
 - (c) Mamos
 - (d) Ethos
- 97. Work ethics related to certain norms and a set of values that a worker considers are essential in his view while doing a work is:
 - (a) Organizational culture
 - (b) National culture
 - (c) Work culture
 - (d) Political culture

- 98. Which one of the following serves as the formal basis for investigating unethical conduct?
 - (a) Support codes
 - (b) Deterrence and discipline codes
 - (c) Inspiration and guidance
 - (d) Education and mutual understanding
- 99. Consider the following statements regarding Engineering Ethics deals with:
 - 1. The moral issues and decisions confronting individual and organizations engaged in engineering
 - 2. Ethics deals with conduct and not with motives
 - 3. Related questions about the moral ideals, character, policies and relationships of people and corporations involved in technological activities

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- 100. Prearranged payments made by contractors to companies or their representatives if they exceed the amount for contracts actually granted are:
 - (a) Extortion
 - (b) Conflict of interest
 - (c) Substantial
 - (d) Kickbacks



UPSC PRINTED STUDY NOTES

Study Material for IAS (UPSC) General Studies Pre. Cum Mains (Combo)	English	CLICK HERE
UPSC - IAS PRE (GS+CSAT) Solved Papers & Test Series	English	CLICK HERE
UPSC सामान्य अध्ययन प्रारंभिक एवं मुख्य परीक्षा (Combo) Study Kit	Hindi	CLICK HERE
Study Material for IAS Prelims: GS Paper -1 + CSAT Paper-2	English	CLICK HERE
Study Kit for IAS (Pre) GENERAL STUDIES Paper-1 (GS)	English	CLICK HERE
Study Kit for IAS (Pre) CSAT Paper-2(Aptitude)	English	CLICK HERE
Public Administration Optional for UPSC Mains	<u>English</u>	CLICK HERE
सामान्य अध्ययन (GS) प्रारंभिक परीक्षा (Pre) पेपर-1	हिन्दी	CLICK HERE
आई. ए. एस. (सी-सैट) प्रांरिभक परीक्षा पेपर -2	हिन्दी	CLICK HERE
Gist of NCERT Study Kit For UPSC Exams	English	CLICK HERE
यूपीएससी परीक्षा के लिए एनसीईआरटी अध्ययन सामग्री	हिन्दी	CLICK HERE
COMPLETE STUDY MATERIAL FOR IAS PRELIMS EXAM	English	CLICK HERE
COMPLETE STUDY MATERIAL FOR IAS PRE+MAINS+INTERVIEW EXAM	English	CLICK HERE
UPSC, IAS सिविल सेवा परीक्षा संपूर्ण अध्ययन सामग्री (प्रारंभिक, मुख्य, साक्षात्कार)	हिन्दी	CLICK HERE