

074/2017

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

074/2017

1. A plan prepared for graphic design is called _____.
(A) Flat (B) Layout (C) Imposition (D) Design
2. Who is the inventor of type used for printing ?
(A) Johann Gutenberg (B) William Caxton
(C) Ira Rubel (D) Benjamin Bailey
3. Name the metals used for making the type alloy.
(A) Aluminium & Steel (B) Zinc, Iron & Aluminium
(C) Aluminium & Lead (D) Lead, Tin & Antimony
4. Define DPI in photographs :
(A) Direct Image processing (B) Desk Top Publishing
(C) Dots per Inch (D) Direct Print Imaging
5. In press CTP system means :
(A) Computer to Print (B) Computer to plate
(C) Central Trial Printing (D) Computer to Proof
6. Who is the founder of printing press ?
(A) William Caxton (B) Ira Rubel
(C) Johann Gutenberg (D) Alloys Senefelder
7. _____ is the process of planning for placing the pages in such a way that after printing and folding a sheet of paper all the printed sheets should come in a definite serial numbers.
(A) Layout (B) Dummy (C) Imposition (D) Proof
8. The unwanted reverse impression appear at the back side of the printed sheet is called _____.
(A) Scum (B) Hickies (C) Show through (D) Setoff
9. Printed image appear double in one impression is called _____.
(A) Dot grain (B) Star target (C) Hickies (D) Slur

10. Select the basic principle of lithography.
 (A) Oleophilic Non image area (B) Image area accepts ink
 (C) Oil and water do not mix (D) Hydrophobic
11. Name the instrument used for measuring blanket thickness :
 (A) Densitometer (B) Shore durometer
 (C) Linen Tester (D) Screw Gauge
12. In printing plate the application of ink in the non-image areas causes _____.
 (A) Scum (B) Setoff (C) Show through (D) Creasing
13. Name the tool used for spreading the ink to and fro on the screen surface in Screen printing.
 (A) Squeegee (B) Blender (C) Thinner (D) Brush
14. Doctor Blade is used in which type of printing method ?
 (A) Flexography (B) Offset (C) Letterpress (D) Gravure
15. Process of making the image surface of the paper is raised and backside degreased.
 (A) Hologram (B) Embossing (C) Laminating (D) Gathering
16. M Weight stands for _____.
 (A) Weight of one ream (B) Weight of 500 sheets
 (C) Weight of 1000 sheets (D) Weight of 100 sheets
17. Identify the paper making machine.
 (A) Perforating Machine (B) Punching Machine
 (C) Fordriener Machine (D) Pulping Machine
18. Name the raw material used for paper making.
 (A) China Clay (B) Boards
 (C) Calcium Carbonate (D) Cellulose Fibre
19. Ideal pH of dampening solution is _____.
 (A) 7 (B) 4.5 to 5.5 (C) 7 to 14 (D) 3

20. Name the endless belt which carries the paper to the front lay (front stop) :
(A) Conveyor belt (B) Running wheels (C) Paster (D) Sheet separator
21. Identify the small gap between the bearer and the cylinder body.
(A) Cylinder (B) Gutter (C) Clamp (D) Strip
22. Name the intermediate roller between the fountain roller and the distribution roller in an offset machine.
(A) Ductor roller (B) Form roller
(C) Anilox roller (D) Dampening roller
23. The rollers that actually in contact with plate cylinder in an offset machine are called _____.
(A) Blanket (B) Distribution rollers
(C) Form rollers (D) Fountain rollers
24. In waterless presses the surface of a waterless plate is a layer of _____ that repels ink and keeps the non image area separate from the image area.
(A) Toner (B) Zinc (C) Antimony (D) Silicon rubber
25. The printed sheets in the delivery unit are sprayed with _____ to avoid setoff.
(A) Chalk powder (B) Super calendering
(C) Drying agents (D) Anti setoff powder
26. Hardness of blanket is measured in terms of _____.
(A) Thickness (B) Shore hardness (C) Flexibility (D) Elasticity
27. Satellite unit is found in which type of presses ?
(A) Gravure (B) Sheetfed (C) Web presses (D) Screen Printing
28. A unique mechanism for bringing a new roll of paper into the feed cycle in web presses is called _____.
(A) Splicer (B) Dancer roller (C) Tensioner (D) Folder

29. _____ is the final preparation of author's or writer's manuscript for publication.
 (A) Editing (B) Proofing (C) Typesetting (D) Printing
30. The process of assembling line and halftone positives or negatives in to pages has traditionally been called _____.
 (A) Imposition (B) Stripping (C) Trapping (D) Exposing
31. In which type of relief printing process that uses flexible printing plates ?
 (A) Letterpress (B) Gravure
 (C) Flexography (D) Electrostatic printing
32. The most commonly used intaglio process is _____.
 (A) Ionography (B) Thermography (C) Flexography (D) Gravure
33. _____ is the process of bringing several signatures together in the proper order.
 (A) Collating (B) Stripping (C) Gathering (D) Binding
34. The segment of the printing industry covers printing facilities operated by companies whose business is not the production of printed materials.
 (A) Related industries (B) In plant printing
 (C) Package printing (D) Security printing
35. Name the point of contact where two cylinders, gears or rollers meet or come close to one another.
 (A) Nip point (B) Contact printer (C) Bearer contact (D) Dwell time
36. Expansion of VOC :
 (A) Violet Orange Cyan (B) Vector image Optical Character
 (C) Visual Object Copying (D) Volatile Organic Compound
37. Name the science of fitting the job to the worker.
 (A) Casting on (B) Ergonomics (C) Copy fitting (D) Casting off

38. 12 points = _____ pica.
(A) One (B) Two (C) Six (D) Twelve
39. Name the device used to measure point size and leading of printed type.
(A) Slur gauge (B) Vernier Calliper (C) E-Gauge (D) Screw gauge
40. The standard system of print measurement used in Europe.
(A) SI Unit (B) ISO
(C) Point (D) didot point system
41. Name the device used to measure paper thickness.
(A) Paper Calliper (B) Vernier Calliper (C) Shoredurometer (D) Densitometer
42. Name the device used to measure the density of an image.
(A) Linen Tester (B) Densitometer (C) Star target (D) T-Square
43. Name the process of fitting together copy and illustrations in a specific amount of space.
(A) Justification (B) Alignment (C) Copy fitting (D) Text wrap
44. Name the device used with computers to send and receive digital information through cable.
(A) Mouse (B) Scanner (C) WiFi (D) Modem
45. _____ is a positively charged powder that attracted to negatively charged image dots to make up the printed image on a page.
(A) Ionography (B) Toner (C) Screen (D) NIP technology
46. A solid state, light sensitive chip receptor that converts light into an analog charge, commonly built into image capturing device.
(A) PMT (B) DTP (C) CCD (D) CPU
47. Name the type of scanner that scans images mounted on a rotating drum.
(A) Drum Scanner (B) Flatbed Scanner
(C) OCR (D) Laser beam scanner

48. _____ is a large base sheet to which images have been attached for exposure on to a printing plate.
 (A) Film (B) Flat (C) Key Sheet (D) Dummy
49. Write the term for an unprinted space allowed at the edge of a printing sheet.
 (A) Bleed (B) Margins
 (C) Gripper Allowance (D) Spine
50. Name the cloth tube that fits over the body of a dampening roller and helps it retain fountain solution.
 (A) Molleton cover (B) Blanket (C) Thermal tube (D) Plating
51. Name a diamond cutting tool used to form the tiny ink cells on the metal surface of a gravure cylinder.
 (A) Thermal cutter (B) Engraver (C) Etching (D) Stylus
52. Write the translucent design impressed in paper.
 (A) Embossing (B) Reverse (C) Watermark (D) Surprint
53. The exact height difference between the cylinder body to the bearer is called as _____.
 (A) Undercut (B) Gripper (C) Bearer (D) Cylinder line
54. Name any two metals used for making printing plate.
 (A) Iron and Silver (B) Aluminium and Copper
 (C) Zinc and Aluminium (D) Copper and Steel
55. Name the cylinder which is used to transfer the printed sheet from one printing unit to the next printing unit in multicolour offset machine.
 (A) Impression Cylinder (B) Form roller
 (C) Oscillating Cylinder (D) Transfer cylinder
56. _____ hold and carry the lead edge of the paper from printing unit to delivery unit.
 (A) Gutter (B) Gripper (C) Suckers (D) Guides

57. What is the other name of rider roller ?
- (A) Scavenger Roller (B) Ductor roller
(C) Anilox roller (D) Dancer roller
58. The time taken by the doctor roller to contact and receive dampening solution from the fountain pan roller and to supply the dampening solution to the oscillator is called _____.
- (A) dwell period (B) oscillating period
(C) drying time (D) perfecting
59. _____ is used as the buffer in the fountain solution which neutralizes the acidity or alkalinity of the solution.
- (A) Magnesium Nitrate (B) Calcium Nitrate
(C) Copper Sulphate (D) Calcium Carbonate
60. ISO Propyl alcohol is used as _____ and it reduces the surface tension of water in the dampening solution.
- (A) drying agent (B) wetting agent (C) ink recipient (D) colouring agent
61. _____ is used to increase the contact angle and reduce the surface tension of water during the use of dampening solution.
- (A) Acid (B) Gum Arabic (C) Fungicide (D) Alcohol
62. The metal strips are used in the feeder head which are used to avoid the passing the double sheet for printing during sheet separation.
- (A) Side lay (B) Conveyor Belt
(C) Metal finger (D) Running on Wheels
63. Name the roller used to maintain the flow rate and the control the web tension.
- (A) chill rolls (B) splicer (C) steering device (D) dancer roller
64. Name the splicer which pastes the new web roll with the running web roll when the machine is running at the operating speed.
- (A) zero speed splicer (B) flying speed paster
(C) web steering device (D) roll stand

65. What is R.T.F. roller ?
 (A) Roller top of the former board (B) Reverse Tag Format
 (C) Rotations per minute (D) Reverse Tiff Format
66. Choose one offset machine manufacturers in India from the following.
 (A) Manugraph (B) Heidelberg (C) Fuji (D) AB Dick
67. Dandy roll is used for :
 (A) Rotating (B) Watermark (C) Stencil (D) Colouring
68. Name the tendency of ink to flow more freely after being worked.
 (A) Viscosity (B) Tackness (C) Opacity (D) Thixotropy
69. Name the operation that places a series of small cuts or slits in the substrate using various types of blades or wheels on the press or folder.
 (A) Creasing (B) Collating (C) Perforating (D) Jogging
70. A part of a type character extending above the body height or x-height is called _____.
 (A) Descender (B) Ascender (C) Text (D) Serif
71. The angular relationship of halftone screens used in making black and white halftone and colour separations for four colour printing known as _____.
 (A) Bitmap (B) Wavelength (C) Screen Angle (D) Filter
72. An electronic form or paper form used to track costs for labour, materials and press time of a given printing job is known as _____.
 (A) Order form (B) Job Ticket (C) Invoice (D) Business letter
73. An ornamental design used to illustrate and attract attention to specific text matter is termed _____.
 (A) Fillet (B) Serif (C) Ligature (D) Dingbat
74. The pleasing relationship between the elements on the printed page and the general dimensions of the page itself in a design is termed as _____.
 (A) Proportion (B) Harmony (C) Unity (D) Contrast

84. The first printing in Malayalam Script was prepared at Goa by a Spanish missionary namely _____ .
- (A) J. Dawson (B) Rev. Baker
(C) Jovannes Gonsalvez (D) Ringletaube
85. Of the following works which one was **not** written by Chattambi Swamikal.
- (A) Vedathikara Niroopanam (B) Sarvamata Samarasyam
(C) Advaitachinta Padhathi (D) Vedatarkam
86. Who interpreted the Malbar Rebellion of 1921 as “the latest phase of the agrarian trouble in India” through his book ‘India in Transition’ ?
- (A) R.P. Dutt (B) N.M. Joshi (C) M.N. Roy (D) R.C. Dutt
87. During the early 19th century which Travancore ruler introduced a system of free and compulsory education under state control with the assistance of Col. Munro ?
- (A) Swati Tirunal (B) Ayilyam Tirunal
(C) Balaramavarma-I (D) Rani Gauri Parvati Bai
88. Chronologically arrange the following events of Kerala history and choose the answer using the Codes given below :
- (a) Breast-Cloth Agitation
(b) Savarnajatha
(c) Paliyam Satyagraha
(d) Guruvayur Satyagraha
- Codes :**
- (A) (d), (a), (c), (b)
(B) (a), (c), (b), (d)
(C) (a), (b), (d), (c)
(D) (d), (b), (a), (c)
89. Mrs. L.S. Prabhu : Civil Disobedience Movement, Arya Pallam : _____.
- (A) Channar Agitation (B) Paliyam Satyagraha
(C) Kallumala Samaram (D) Abstention Movement

90. The name of British Resident Col. Edward Cadogan is associated with _____.

(A) Abolition of Slavery in Travancore
(B) Abolition of 'Kudivari' and 'Valanikuti'
(C) Malabar Judiciary Reforms
(D) Founding of Trivandrum Public Library

91. Who among the following historian wrote the book titled "The Abstention Movement" ?

(A) Dr. K.K.N. Kurup (B) Dr. K.K. Kusuman
(C) Dr. T.K. Ravindran (D) Dr. M.G.S. Narayanan

92. Match the following with the help of Codes given below :

(a) Sree Budha Charitam	(i) Vallathol Narayana Menon
(b) Karnabhushanam	(ii) G. Sankara Kurup
(c) Chitrayogam	(iii) Kumaranasan
(d) Nakshatra Gitam	(iv) Ulloor S. Parameswara Aiyer

Codes :

	(a)	(b)	(c)	(d)
(A)	(iv)	(i)	(ii)	(iii)
(B)	(ii)	(i)	(iii)	(iv)
(C)	(iii)	(iv)	(i)	(ii)
(D)	(iv)	(iii)	(ii)	(i)

93. Deepika : Vakkom Maulavi, Mithavadi : _____.

(A) Kumaranasan
(B) Muhammed Abdu Rahiman
(C) Kandathil Varghese Mappila
(D) C. Krishnan

94. Name the famous women activist and freedom fighter of Kerala who was elected to the Madras Legislative Assembly for the second time in 1946 ?

(A) A.V. Kuttimalu Amma (B) Akkamma Cheriyan
(C) Arya Pallam (D) Parvathi Nenminimangalam

95. Who among the following social reformer of Kerala started a sanskrit educational centre called - "Tatwa Prakasika Ashram" ?
(A) Chattambi Swamikal (B) Vagbhadananda
(C) Pandit Karuppan (D) Ayyankali
96. Which is the Capital of Republic of Cameroon ?
(A) Asmara (B) Lome (C) Yaounde (D) Dodoma
97. What is "Thalassophilia" ?
(A) Love of Islands (B) Love of the Ocean
(C) Love of various Smells (D) Love of Plants
98. Who serves as the Defense Secretary of USA in Donald Trump Administration ?
(A) Rex Tillerson (B) Wilbur Ross (C) Mike Pence (D) James Mattis
99. Who is the Champion of Australian Open Grand Slam Tennis Tournament (Men's Singles) which held at Melbourne, Australia in January 2017 ?
(A) Roger Federer (B) Rafael Nadal (C) Novak Djokovic (D) Milos Raonic
100. "Grand Old Man of Britain" is the sobriquet of :
(A) William Ewart Gladstone (B) Winston Churchill
(C) Benjamin Disraeli (D) David Lloyd George

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SPACE FOR ROUGH WORK

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