

## PROVISIONAL ANSWER KEY

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Exam:	Offset Printing Machine Operator Gr II
Date of Test	16-04-2026
Department	Printing

Question1:-The first lithographic press was known as

- A:-Rotary press
- B:-Platen press
- C:-Flatbed press
- D:-Offset press

Correct Answer:- Option-C

Question2:-In the word lithography, what does lithos mean?

- A:-Water
- B:-Stone
- C:-Fire
- D:-Metal

Correct Answer:- Option-B

Question3:-Identify the odd one out from the following printing processes

- A:-Ionography
- B:-Magnetography
- C:-Electrophotography
- D:-Flexography

Correct Answer:- Option-D

Question4:-In which type of editing are grammar, spelling, and punctuation checked?

A:-Content editing

B:-Copy editing

C:-Substantive editing

D:-Developmental editing

Correct Answer:- Option-B

Question5:-Which of the following is an example of a periodical?

A:-The Hindu

B:-Oxford English Dictionary

C:-Malayala Manorama Year book

D:-Sherlock Holmes (Novel)

Correct Answer:- Option-A

Question6:-The compilation of quality control devices on a single sheet or page is called as

A:-Lay out

B:-Test form

C:-Register Marks

D:-Imposition

Correct Answer:- Option-B

Question7:-Which quality control device uses numbers to measure the dot reproduction of halftones and process colors?

A:-Grey scale

B:-Colour bar

C:-Dot gain scale

D:-Star Target

Correct Answer:- Option-C

Question8:-Which colour measurement device measures the light intensity and wavelength of colours?

A:-Colour bar

B:-Spectrophotometer

C:-Dot gain scale

D:-Grey scale

Correct Answer:- Option-B

Question9:-Which quality control device is used to ensure proper alignment of different colours in printing?

A:-Colour bar

B:-Register marks

C:-Dot gain scale

D:-Grey scale

Correct Answer:- Option-B

Question10:-Which quality control device on a colour bar is used to indicate slur caused by cylinder slippage?

A:-Dot gain scale

B:-Grey scale

C:-Slur gauge

D:-Register marks

Correct Answer:- Option-C

Question11:-Wavelength of visible light ranging from

A:-400nm to 770nm

B:-200nm to 380nm

C:-800nm to 900nm

D:-780nm to 820nm

Correct Answer:- Option-A

Question12:-Who first explained the visible spectrum by dispersing white light through a glass prism?

A:-Galileo Galilee

B:-Albert Einstein

C:-Isaac newton

D:-None of these

Correct Answer:- Option-C

Question13:-Grass appears green because it

A:-Absorbs green light and reflects red and blue light

B:-Reflects all colours of light

C:-Absorbs all colours and reflects blue light

D:-Absorbs red and blue light and reflects green light

Correct Answer:- Option-D

Question14:-Which filter is used to produce Magenta Plate?

A:-Red

B:-Green

C:-Blue

D:-white

Correct Answer:- Option-B

Question15:-A moiré pattern is formed when:

A:-Ink density is too high

B:-Paper absorbs excess ink

C:-Two different screen patterns are randomly positioned

D:-Process colours are printed with correct screen angles and register

Correct Answer:- Option-C

Question16:-A \_\_\_\_\_ is an electronic device that accepts data from the user.

A:-Computer

B:-CPU

C:-Keyboard

D:-Harddisk

Correct Answer:- Option-A

Question17:-MAN is a comparatively \_\_\_\_\_ network that covers large regions- like towns, cities, etc.

A:-Small

B:-Wider

C:-Large

D:-None of the above

Correct Answer:- Option-B

Question18:-Which font styles are commonly used in Print Publications?

A:-Display

B:-San Serif

C:-Serif

D:-Casual

Correct Answer:- Option-C

Question19:-Vector Types of Fonts are made up from

A:-lines and drawing

B:-pixels

C:-color

D:-None of the above

Correct Answer:- Option-A

Question20:-Word processing software provides \_\_\_\_\_ features.

A:-Thesaurus

B:-Columns

C:-Mail Merge

D:-All the above

Correct Answer:- Option-D

Question21:-Computer application used for composing, Editing, Formatting and Printing Documents.

A:-Note Pad

B:-Photoshop Software

C:-Image Editing Software

D:-Word Processing

Correct Answer:- Option-D

Question22:-Software that allows images to be edited and also converted to different graphics formats.

A:-Note Pad

B:-Photoshop Software

C:-Image Editing Software

D:-2 & 3

Correct Answer:- Option-D

Question23:-\_\_\_\_\_ is the practice by which people use online tools to write, organize, edit and make available all kinds of readable media on the Internet.

A:-Print Publishing

B:-Book

C:-Online Publishing

D:-Digital Printing

Correct Answer:- Option-C

Question24:-Which type of published documents can be sent all over the world in a matter of seconds?

A:-Print Publishing

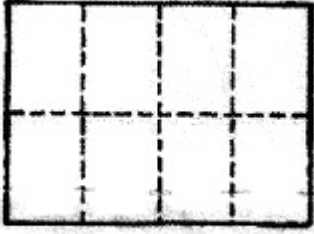
B:-Book

C:-Electronic Publishing

D:-Digital Printing

Correct Answer:- Option-C

Question25:-Identify the below given Diagram of Paper sheet folding.



A:-Folio

B:-Quarto

C:-Octavo

D:-None of the above

Correct Answer:- Option-C

Question26:-Why Preflighting required in Digital workflow?

A:-Verifying the Job rediness

B:-Analyzing the Postscript files

C:-Matching the Color

D:-All the above

Correct Answer:- Option-D

Question27:-The term \_\_\_\_\_ has come to be very closely associated with the *Postscript* page description language.

A:-Compiler

B:-Interpreter

C:-Raster Image Processor

D:-Digital Printing

Correct Answer:- Option-C

Question28:-What is Moire?

A:-Interference of dot pattern

B:-Spreads & Chokes

C:-Dot shapes

D:-Round Dot

Correct Answer:- Option-A

Question29:-Match the following.

- |        |                               |
|--------|-------------------------------|
| A. UCR | I. Gray Component Replacement |
| B. GCR | II. Under Color Addition      |
| C. UCA | III. Under Color Removal      |
| D. USM | IV. Unsharp Masking           |

Choose the correct answer from the Option Given below:

A:-

A B C D

I II III IV

B:-

A B C D

IV I II III

C:-

A B C D

III IV II I

D:-

A B C D

III I II IV

Correct Answer:- Option-D

Question30:-Which type of originals have no gradation of tone?

A:-Line

B:-Continuous Tone

C:-Color

D:-Halftone

Correct Answer:- Option-A

Question31:-Match the following

- |        |                              |
|--------|------------------------------|
| A. RIP | I) Computer to Plate         |
| B. CTP | II) Computer to Film         |
| C. CTF | III) Raster Image Processing |
| D. CCD | IV) Charge couple device     |

Choose the correct answer from the Option Given below:

A:-

A B C D

I II III IV

B:-

A B C D

IV I II III

C:-

A B C D

III IV II I

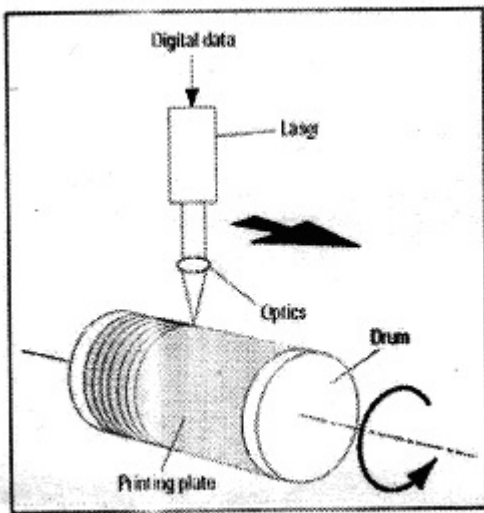
D:-

A B C D

III I II IV

Correct Answer:- Option-D

Question32:-Identify the below image Processing method



A:-Internal Drum Image Setter

B:-External Drum Image Setter

C:-Drum Setter

D:-None of the above

Correct Answer:- Option-B

Question33:-Aluminum Based has \_\_\_\_\_ Coating.

A:-Polaroid

B:-Silver Halide

C:-Polyester

D:-None of the above

Correct Answer:- Option-B

Question34:-Which type of materials gives best quality print for Flexographic Printing?

A:-Digiflex

B:-Rubber

C:-Photopolymer

D:-None of the above

Correct Answer:- Option-C

Question35:-Computer controlled direct imaging of printing plates from Digital Data is called as \_\_\_\_\_

A:-CTF

B:-CTP

C:-CTC

D:-CTS

Correct Answer:- Option-B

Question36:-The problem that occurs when the ink appears in the non image areas due to insufficient dampening of the plate is called

A:-Set off

B:-Scumming

C:-Catch-up

D:-Mottle

Correct Answer:- Option-C

Question37:-A preliminary pass of the sheet under pressure through the press to remove excessive spray powder, surface material and other debris

A:-Clean up

B:-Dry dusting

C:-Dirt buster

D:-Kicking process

Correct Answer:- Option-B

Question38:-The ability of the blanket to withstand pressure tension and physical abuse on the press is called

A:-Resilience

B:-Punch Resistance

C:-Durability

D:-Release

Correct Answer:- Option-C

Question39:-The first of several sheets that runs through the press to verify lineup, register and non image areas

A:-make ready sheets

B:-key sheets

C:-lay sheets

D:-lifters

Correct Answer:- Option-C

Question40:-The extend to which paper resist or retards penetration of the freshly printed ink film is called

A:-Ink holdout

B:-sizing resistance

C:-Ink holding

D:-ink busting

Correct Answer:- Option-A

Question41:-Small diameter hard rollers that helps to keep the ink system clean by picking up ink skin particles, lint etc.

A:-link picker

B:-rider roller

C:-pipe roller

D:-none of the above

Correct Answer:- Option-C

Question42:-The color of an ink Ink in bulk such as in a can, or thick film of ink

A:-Heavy tone

B:-density

C:-mass tint

D:-mass tone

Correct Answer:- Option-D

Question43:-A substance that prevents calcium, and magnesium compounds in the dampening solution from precipitating is called

A:-Chelating agent

B:-Anti skinning agent

C:-Hold down agent

D:-Sequestering agent

Correct Answer:- Option-D

Question44:-An optical loss of density and color strength that may occur while an ink is setting is

A:-Dry back

B:-Weak color

C:-hue loss

D:-Density loss

Correct Answer:- Option-A

Question45:-The direction of minimum strength on a blanket

A:-Warp

B:-Wrap

C:-Low line

D:-Weft

Correct Answer:- Option-D

Question46:-A device that detects foreign objects on the feed board and prevents their passage into the printing unit

A:-Kicker

B:-Crash bar

C:-Hickey detector

D:-Double sheet detector

Correct Answer:- Option-B

Question47:-GRACoL means

A:-General Requirements and Conditions for Lithography

B:-Graphics and Reproduction Applications for Commercial Offset Lithography

C:-Guidelines for Regional Application of Color in Offset Lithography

D:-General requirements for Application in Commercial Offset Lithography

Correct Answer:- Option-D

Question48:-A device that helps to keep the sheet flat on the feedboard

A:-Bosses

B:-Smoother

C:-Drop down wheels

D:-Guide rollers

Correct Answer:- Option-B

Question49:-General properties' of B pulp paper, which of the following is correct

I. Uncoated

II. Composition-Chemical pulp, groundwood pulp and filler.

III. The whiteness is fixed

IV. Calendered paper for web offset printing

A:-I and II

B:-I, II and III

C:-I, III and IV

D:-all of the above

Correct Answer:- Option-D

Question50:-The difference in height between cylinder body and bearer is called

A:-Cylinder gap

B:-Depression Gap

C:-Undercut

D:-gutter

Correct Answer:- Option-C

Question51:-The measure of the Ability of pigment or dye to impart its color to a system is called

A:-Tinting strength

B:-release

C:-hue indexing

D:-Transferability

Correct Answer:- Option-A

Question52:-Which of the Following is the most powerful liquid drier used in ink manufacturing

A:-Manganese

B:-Zirconium

C:-Cobalt

D:-Cerium

Correct Answer:- Option-C

Question53:-An example of an laking agent is \_\_\_\_\_

A:-EDTA

B:-Tannic Acid

C:-Silicone fluids

D:-Polyols

Correct Answer:- Option-B

Question54:-The term used to describe the uniformity of the sheet structure and orientation of the fibres

A:-finish

B:-Smoothness

C:-formation

D:-grain direction

Correct Answer:- Option-C

Question55:-The energy required to propagate a initial tear on paper through a fixed distance

A:-Tensile strength

B:-Internal Tear resistance

C:-External Tear Resistance

D:-breaking length

Correct Answer:- Option-B

Question56:-The device on a webfed press used for splicing a fresh roll of paper to an expiring roll while each web rotates at press speed and without stopping the press is called \_\_\_\_\_.

A:-Flying pastor

B:-Zero speed pastor

C:-Festoon

D:-None of the above

Correct Answer:- Option-A

Question57:-Which of the following statements are true with respect to press console?

- (i) It provides electronic control for register and image quality on the moving web
- (ii) Press adjustments can be made as the press is running at printing speed.
- (iii) Once it is set properly, computer continuously monitor press performance and make adjustments to maintain those settings.

A:-(i) and (iii) only

B:-(i) and (ii) only

C:-All the above

D:-None of the above

Correct Answer:- Option-C

Question58:-A device that folds the web by pulling it over a triangular shaped board is called \_\_\_\_\_.

A:-Former folder

B:-Chopper folder

C:-Jaw folder

D:-None of the above

Correct Answer:- Option-A

Question59:-Which among the following printing processes has a doctor blade in the printing unit?

(i) Flexo

(ii) Gravure

(iii) Screen printing

A:-(ii) only

B:-(i) and (ii)

C:-(i) and (iii)

D:-(i), (ii) and (iii)

Correct Answer:- Option-B

Question60:-Find out the most appropriate statements(s) related to Flexography

(i) It is used for printing on packaging products including foil, tissue, paper , paper board, corrugated board and plastic film

(ii) Used for printing flex boards and banners

(iii) It was known as aniline printing in the olden days

(iv) Anilox rollers are used for transferring ink to the image area.

A:-(i), (ii) and (iii) only

B:-(i), (iii) and (iv) only

C:-(i), (ii) and (iv) only

D:-All the above

Correct Answer:- Option-B

Question61:-An anilox roller is used for \_\_\_\_\_.

A:-Transferring ink to the relief image plate cylinder in a flexo press

B:-Engraving images to produce a flexo plate cylinder

C:-Remove excessive ink from the non image area of a gravure cylinder

D:-Fix the toner in ionography

Correct Answer:- Option-A

Question62:-The material used for making a doctor blade that presses against a gravure cylinder is \_\_\_\_\_.

A:-Plastic

B:-Stainless steel

C:-Bronze

D:-Any of the above

Correct Answer:- Option-D

Question63:-Which printing process gives the highest quality image even on low quality printing papers?

A:-Digital printing

B:-Offset

C:-screen printing

D:-Gravure

Correct Answer:- Option-D

Question64:-Statements given below describe about the different types of wells etched or cut into the surface on a gravure cylinder from which the ink is transferred. Find out the correct statements(s)

- (i) Direct contact wells vary in opening size but all have the same depth.
- (ii) Lateral hard dot wells have uniform depth and opening.
- (iii) Conventional gravure wells vary in depth, but all have the same opening size.

A:-(i) only

B:-(i) and (ii)

C:-(i) and (iii)

D:-(i), (ii) and (iii)

Correct Answer:- Option-C

Question65:-Cylindrical screens are used for \_\_\_\_\_.

A:-Print labels directly on cylindrical containers such as bottles

B:-Wet-on-wet printing on materials such as T-shirts

C:-Printing cloth banners

D:-Print continuously repeating images on long roll materials

Correct Answer:- Option-D

Question66:-Example of multi-filament screen fabric is/are \_\_\_\_\_

A:-Metalised polymer

B:-Nylon

C:-Silk

D:-All the above

Correct Answer:- Option-C

Question67:-Given below are steps in preparation of a type of stencil for screen printing.

Exposure →€Development →€Washing →€Application of Stencil to the Screen →€Drying →€Removal of the base material

Identify the method.

A:-Direct photographic

B:-Indirect photographic

C:-Direct/Indirect

D:-Tusche and Glue

Correct Answer:- Option-B

Question68:-Analyse the following processes and materials related to printing. Identify those related to green printing.

(i) Use of paper made with alternative chemicals

- (ii) Use of recycled paper
- (iii) Use of soy based inks
- (iv) User of renewable energy resources

A:-(ii) and (iii)

B:-(ii) and (iv)

C:-All except (i)

D:-All the above

Correct Answer:- Option-D

Question69:-Which among the following statements is/are true in respect of non-impact printing?

- (i) It does not have a permanent image carrier
- (ii) It utilises pressure to transfer an image to the substrate
- (iii) It is the fastest printing method in which we get copies instantly
- (iv) It has a permanent image carrier that can be kept and reused

A:-(i) and (ii)

B:-(i) and (iii)

C:-(ii) and (iv)

D:-(i) only

Correct Answer:- Option-B

Question70:-Study the following table in which major impact printing processes and the nature of image carriers are given. Pick the correctly matched pairs from the options given below the table.

Printing Method	Nature of image carrier
(i) Relief printing	(a) Image area is open
(ii) Intaglio printing	(b) Image and non-image areas are on the same level
(iii) Lithography	(c) Image area is raised
(iv) Screen printing	(d) Image area is sunken

A:-(i)-(c), (ii)-(d), (iii)-(b), (iv)-(a)

B:-(i)-(c), (ii)-(b), (iii)-(a), (iv)-(d)

C:-(i)-(c), (ii)-(a), (iii)-(b), (iv)-(d)

D:-(i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

Correct Answer:- Option-A

Question71:-Removing the edges of the gathered sheets using knives is \_\_\_\_\_ principle of perfect binding.

A:-Padding

B:-Spine Routing

C:-Fan

D:-Knife cut

Correct Answer:- Option-B

Question72:-As per the FOGRA standard in N/cm very good binding strength is \_\_\_\_\_.

A:-7

B:-5

C:-8

D:-6

Correct Answer:- Option-C

Question73:-B0 paper size is \_\_\_\_\_ (mm × mm)

A:-1000 \* 1414

B:-917 \* 1197

C:-1000 \* 1717

D:-500 \* 1414

Correct Answer:- Option-A

Question74:-A small pointed tool used for piercing holes, on sections of the book is called as \_\_\_\_\_

A:-Folders

B:-Eyelet

C:-Awl

D:-Tenon Saw

Correct Answer:- Option-C

Question75:-Calculate the weight of the paper?

GSM = 80, Paper size = 23\*36 (in inches), Number of sheets = 500

A:-21.35 kg

B:-25.15 kg

C:-27.25 kg

D:-17.35 kg

Correct Answer:- Option-A

Question76:-Which chemical is used as a buffer in the fountain solution?

A:-Magnesium Nitrate

B:-IPA

C:-Gum Arabic

D:-Sodium Chloride

Correct Answer:- Option-A

Question77:-Find out the ink problem? Ink pigment does not bind to the paper

A:-Mottle

B:-Picking

C:-Chalking

D:-Hickey

Correct Answer:- Option-C

Question78:-Assertion : Hickeys : Donut-shaped white spots on printed surface.  
Reason : One of the reasons for Hickey's formation is dried ink particles.

A:-Both (A) and (R) are true. (R) explains (A)

B:-Both true, (R) doesn't explain (A)

C:- (A) true (R) false

D:-(A) false (R) true

Correct Answer:- Option-A

Question79:-Which problem occurs with the visibility of printing from the reverse side due to lack of opacity of the paper?

A:-Strike through

B:-Scumming

C:-Mottle

D:-Show through

Correct Answer:- Option-D

Question80:-Distinguish between necessary and unnecessary items and discard the unnecessary items in 5S?

A:-Seiton

B:-Seiri

C:-Seiso

D:-Seiketsu

Correct Answer:- Option-B

Question81:-Water used in the dampening solution should have a hardness level of between \_\_\_\_\_ dH.

A:-8 and 12

B:-1 and 4

C:-12 and 16

D:-3 and 6

Correct Answer:- Option-A

Question82:-Assertion : IPA is used as wetting agent in the fountain solution.  
Reason : It increases the surface tension.

A:-Both (A) and (R) are true, (R) explains (A)

B:-Both true, (R) doesn't explain (A)

C:-(A) true, (R) false

D:-(A) false, (R) true

Correct Answer:- Option-C

Question83:-Image elements overlap into subsequent image areas in the direction of print is called as \_\_\_\_\_.

A:-Chalking

B:-Hickey

C:-Mottle

D:-Ghosting

Correct Answer:- Option-D

Question84:-Alcohol-free dampening solutions contain alcohol substitutes of \_\_\_\_\_.

A:-Glycol

B:-Calcium

C:-Gum arabic

D:-Magnesium

Correct Answer:- Option-A

Question85:-The thickness of the blanket is approximately \_\_\_\_\_.

A:-3 mm

B:-2 mm

C:-4 mm

D:-5 mm

Correct Answer:- Option-B

Question86:-A "guillotine" makes what type of cut?

A:-Circular

B:-Straight

C:-Perforated

D:-Embossed

Correct Answer:- Option-B

Question87:-Slitting is often performed on which machine

A:-Folding machine

B:-Perfect Binder

C:-Punching machine

D:-Embosser

Correct Answer:- Option-A

Question88:-What is a "knife folder" typically used for?

A:-Thick paper

B:-Thin paper

C:-perforation

D:-Slitting

Correct Answer:- Option-A

Question89:-'Spot UV'. means?

A:-UV on the whole sheet

B:-UV applied only to specific areas

C:-A type of Ink

D:-A type of paper

Correct Answer:- Option-B

Question90:-'Perforation' is used for

A:-Binding

B:-Easy tearing

C:-Lamination

D:-Folding

Correct Answer:- Option-B

Question91:-Which of the following is an example of "Intelligent Packaging"?

A:-Shrink wrap

B:-Corrugated box

C:-Colour changing freshness label

D:-Glass bottle

Correct Answer:- Option-C

Question92:-"Tertiary Packaging" is primarily used for

A:-Retail display

B:-Consumer convenience

C:-Bulk handling and transport

D:-Product branding

Correct Answer:- Option-C

Question93:-What is primary function of "Primary packaging"?

A:-To make the product look attractive

B:-To directly contain and protect the product

C:-To facilitate bulk transportation

D:-To protect the product from environmental damage

Correct Answer:- Option-B

Question94:-Which of the following is an example of secondary packaging?

A:-Plastic bottle containing shampoo

B:-A shrink-wrapped pack of 6 detergent bottles

C:-A corrugated shipping container

D:-A wooden pallet

Correct Answer:- Option-B

Question95:-Which material is frequently used to pack fried snack foods, often lined with aluminium foil?

A:-LDPE

B:-PET

C:-PS

D:-HDPE

Correct Answer:- Option-A

Question96:-Which pencil grade produce the darkest and softest lines?

A:-H

B:-HB

C:-2H

D:-4B

Correct Answer:- Option-D

Question97:-Which tool is used to draw curves that are not circular?

A:-Protractor

B:-Compass

C:-French curves

D:-Set-square

Correct Answer:- Option-C

Question98:-Which line is used to represent hidden edges?

A:-Thin continuous line

B:-Thick continuous line

C:-Dashed narrow line

D:-Chain thin line

Correct Answer:- Option-C

Question99:-Which of the following is not a common characteristic of helical gears compared to spur gear?

A:-Higher load capacity

B:-Greather noise

C:-Smoother operation

D:-Axial trust

Correct Answer:- Option-B

Question100:-In a high speed offset printing machine which gear type is preferred for smoother, quieter operation?

A:-Straight spur gear

B:-Helical gear

C:-Rack and pinion

D:-Internal spur gear

Correct Answer:- Option-B