

**MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI**

Examination—July, 2020

CERTIFICATE COURSE IN OPERATION THEATRE ASSISTANT / OPERATION  
THEATRE TECHNICIAN

[~~ἔ~~ῥῶ—3 ἰῆῶῆ]

(BEŮHÉ ~~NĚ~~—100)

[illegible]**NÍÐÉ**

1. (+) E<sup>(R)</sup>E d<sup>a</sup>E<sup>e</sup> VÉE M<sup>e</sup> | E<sup>(R)</sup>G :—

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- (1) ±EPÉ ÉO ½PáE xÉÓ±áEEÉ ..... EoE] @ú EEÉ®EEÉ.
- (2) ¾ndÉv ExÉ {ÉE½PáEEÉÉ 0 ..... SÉE EEÉÉ®½PáEá
- (3) ;0};0ÉESáEE +ÉÉ®EE+EE ..... ½PáEEÉÉ.
- (4) ¾ndEE+EE ..... Eo{Eá +°EEÉÉ.
- (5) +xxÉxÉ+ÉÉÉ ½0 ..... °EÉÉSÉE ;ÉÉMÉ +É½P

[illegible]

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- (1)  $\int_{\mathbb{R}^n} \int_{\mathbb{R}^n} \frac{f(x)f(y)}{|x-y|^\alpha} dx dy \leq C \int_{\mathbb{R}^n} \frac{f(x)^2}{|x|^\alpha} dx$  for  $0 < \alpha < n$ .
- (2) The operator  $T_\alpha$  is bounded on  $L^p(\mathbb{R}^n)$  for  $1 < p < \infty$  and  $0 < \alpha < n$ .
- (3) For  $f \in L^1(\mathbb{R}^n)$ ,  $\int_{\mathbb{R}^n} \frac{f(x)}{|x|^\alpha} dx = 0$  if  $\alpha > n$ .
- (4) The function  $f(x) = \frac{1}{|x|^\alpha}$  is in  $L^p(\mathbb{R}^n)$  if and only if  $0 < \alpha < n/p$ .
- (5) I.V.  $\int_{\mathbb{R}^n} \frac{f(x)}{|x|^\alpha} dx = 0$  for  $\alpha > n$ .

(E0)  $n \nabla \rho \in {}^0 \Gamma_{\text{ü}} \{ \hat{E} \pm \hat{E} \frac{1}{2} \}$  :-

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- (1) A.B.G.                  (2) M.T.P.                  (3) R.B.C.  
(4) T.D.S.                  (5) F.H.S.                  (6) I.C.U.

(b)  $\int_{-\infty}^{\infty} \delta(x) dx = 1$  :-

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- |                                                                              |                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|
| (1) $E \vee \exists p \vdash E \wedge \exists q \vdash O \wedge E$           | (+) $\circ \vdash O \vdash E \vdash E \otimes \eta \vdash E$        |
| (2) $\text{Autoclave} + E \vdash \exists q \vdash E \wedge \exists p \vdash$ | ( $\otimes$ ) $Z E \vdash E \vdash E \wedge E$                      |
| (3) $\exists^\circ E \vdash E \wedge \eta \vdash E$                          | (E $\circ$ ) $\vdash \exists b \vdash E \circ \{E \wedge E\} \circ$ |
| (4) $B E \vdash E$                                                           | (b $\vdash$ ) $+ E \otimes \eta \vdash E \wedge \exists \circ$      |
| (5) $\vdash E \wedge O \vdash + \kappa E \wedge E \otimes E \vdash E$        | (<) $b \wedge E$ .                                                  |

2.  $E_{\text{eff}}^{\text{a}}(E) \propto \frac{1}{E} \ln E$  :—

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(+) + κέσ Ιέσπεί έέ 1/2πένά Εδεί ?

(४) शस्त्रक्रियागारातील उपकरणांचे महत्त्व व जबाबदाऱ्या कोणत्या?

(Eò) +ÉÉ®ÉÉÉ ÉÍÉB]ÖÜÉVÉÖ+É °]é;öSä "É½k É ÉÉÉnù Eò°üxÉ °ÉÉÉE.

(b)  $i\epsilon_0 \frac{1}{2} \rho \circ ] \tilde{E} \otimes \tilde{E} < \tilde{E}^{\otimes 2} \otimes E \otimes \tilde{E} \otimes \tilde{E} \otimes \tilde{E}^{\otimes 2} \tilde{E} \{ \tilde{E}^{\otimes 2} \otimes \tilde{E} ?$

3. एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

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(+) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(म्ह) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(Eo) <+E.C.G. > एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(b) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

4. एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

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(+) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(म्ह) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(Eo) दवाखान्यात मदत करीत असताना लागणाऱ्या उपकरणांची व साहित्याच्या |एक्सेस| = कॅश एव्हिएरॉप :—

(b) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

5. एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

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(+) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(म्ह) O.T. मधील कर्मचाऱ्यांची ड्युटी

(Eo) E.C.G.

(b) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(<) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(j) Bxb E.C.G.

6. एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

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(+) O.T. एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(म्ह) शस्त्रक्रिया होण्यापूर्वी वॉर्डच्या कर्मचाऱ्यांनी रुग्णांकरिता काय तयारी करणे आवश्यक + एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(Eo) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

(b) एव्हिएरॉप नॉट |एक्सेस| = कॅश एव्हिएरॉप :—

**(ENGLISH)**

[ TIME ALLOWED—3 HOURS ]

(MARKS—100)

**PERSONAL MANAGEMENT OF HOSPITAL STAFF CONTROLLING  
SUPERVISION (THEORY-III)****Marks**

1. (a) Fill in the blanks (any *five*) :— 5
- (i) ..... cathator is used if patient is not passing urine.
  - (ii) To auscultate the heart sound ..... is used.
  - (iii) ..... is cover of lungs.
  - (iv) Heat has ..... chember.
  - (v) Oesophagus is a part of ..... system.
- (b) State whether *true* or *false* :— 5
- (i) In adult person pulse rate is 50/min.
  - (ii) Clinical thermameter is used for measured of patients body temperature.
  - (iii) Respiration rate is increase after the exercise.
  - (iv) If unconscious patient is hospitalized then its not compulsory to inform the police.
  - (v) IV Injection is given by 90°.
- (c) Write the long form of the following (any *five*) :— 5
- (i) A.B.G.                      (ii) MTP                      (iii) F.H.S.
  - (iv) R.B.C.                      (v) TDS                      (vi) I.C.U.
- (d) Match the Following :— 5
- | ‘ A ’ Group          | ‘ B ’ Group           |
|----------------------|-----------------------|
| (i) Hemoglobin       | (a) Stomach Operation |
| (ii) Autoclave       | (b) Zylocain          |
| (iii) Phumigation    | (c) Blood component   |
| (iv) Anima           | (d) O.T.              |
| (v) Local Anesthesia | (e) Drum              |
2. Attempt any *two* of the following :— 16
- (a) Explain what is anaesthesia ?
  - (b) Explain importance of equipments in operation theatre.
  - (c) Explain the duties job analysis of operation theatre staff.
  - (d) How to use stabilizer ?

[ turn over

3. Attempt any *two* of the following :— 16
- (a) Explain air condition in operation theatre.
  - (b) How to maintain the record of patient.
  - (c) Explain the importance of E.C.G.
  - (d) Explain the various Electrical equipments.
4. Attempt any *two* of the following :— 16
- (a) Write the advantage and disadvantage of each hospital setup.
  - (b) What is the aim and role of personal management ?
  - (c) Explain in brief training for assisting doctors with equipment and appliances.
  - (d) preoperative preparation of skin.
5. Write short notes on (any *four*) :— 16
- (a) Autoclave machine in staff.
  - (b) Duties of theatre staff.
  - (c) E.C.G.
  - (d) Suction machine
  - (e) Ventilation
  - (f) Endoscope
6. Attempt any *two* of the following :— 16
- (a) Explain Cleanliness in O. T.
  - (b) What are the preoperative requirement of patient by indoor staff.
  - (c) Write a note on surgical disposable material and its handling.
  - (d) Record keeping and documentary in O. T. explain.
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