Ganpatrao Adke College of Nursing
"Sunflower Compound", Dwarka Circle,
Nashik-422 001. Ph.No.0253-2502912

GANPATRAO ADKE COLLEGE OF NURSING
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CON 368

MAHARASHTRA STATE BOARD OF NURSING AND PARAMEDICAL EDUCATION, MUMBAI

REGULAR BATCH

REGULAR EXAMINATION IN GENERAL NURSING AND MIDWIFERY

FIRST YEAR

BIO-SCIENCE—PAPER-I

(INCLUDING ANATOMY, PHYSIOLOGY AND MICROBIOLOGY)

TUESDAY, 28TH NOVEMBER 2023

[TIME : 11-00 A.M. TO 2-00 P.M.]

(TOTAL MARKS—75)

Instructions :—

1. Candidate must write her / his seat number in **ENGLISH.**
2. Please note that the question paper set in **ENGLISH** version is final for any doubt in **MARATHI** paper.
3. Write each question on new page.

Marks

1. (*a*) Select the most appropriate words from the following and complete the sentence :— (05)

(1) Hip joint is a ..... type of movable joint.

(*a*) Hinge (*b*) Saddle

(*c*) Pivote (*d*) Ball and Socket.

(2) The opacity of lens of the eye is called ..... .

(*a*) Blepharitis (*b*) Glucoma

(*c*) Cataract (*d*) Conjunctivitis.

(3) Appendix is situated in the ..... region of abdomen.

(*a*) Right iliac fossa (*b*) Umbilical region

(*c*) Epigastric region (*d*) Left iliac fossa.

(4) The dressing removed from a patient's wound are discarded in ..... bag as per Bio-medical waste disposable guideline.

(*a*) Yellow (*b*) Blue

(*c*) Black (*d*) Green.

(5) Insuline is secreted by ..... gland.

(*a*) Pitutary (*b*) Adrenale

(*c*) Thyroid (*d*) Pancrease.

(*b*) Match the following :— (05)

'A' Group		'B' Group	
(*i*)	Sino-Atrial Node	(*a*)	206 bones
(*ii*)	Human Skeleton	(*b*)	Liver
(*iii*)	Mitrochondria	(*c*)	Pace Maker
(*iv*)	Bile	(*d*)	Simple Goitor
(*v*)	Iodine	(*e*)	Power House of Cell.

[*Turn over*

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महाराष्ट्र राज्य शुश्रूषा व परावैद्यक शिक्षण मंडळ, मुंबई

नियमित सत्र

जनरल नर्सिंग आणि मिडवायफरी नियमित परीक्षा

प्रथम वर्ष

बायो-सायन्स–पेपर-१

(ॲनाटॉमी, फिजिओलॉजी आणि मायक्रोबायोलॉजी सहित)

मंगळवार, दिनांक २८ नोव्हेंबर २०२३

[**वेळः** सकाळी ११-०० ते दुपारी २-०० वाजेपर्यंत]

(**एकूण गुण** — ७५)

सूचना :–

१. उमेदवाराने तिचा/त्याचा आसन क्रमांक **इंग्रजी**मध्येच लिहावा.

२. कृपया लक्षात घ्या की **मराठी** पेपरमध्ये कोणत्याही शंका असल्यास **इंग्रजी** आवृत्तीमध्ये सेट केलेली प्रश्नपत्रिका अंतिम आहे.

३. नवीन प्रश्न नवीन पानावर लिहावा.

गुण

१. (अ) योग्य शब्द निवडून वाक्य पूर्ण करा :— (०५)

(१) कमरेचा सांधा हा ..... या प्रकारचा जंगम सांधा आहे.

(अ) हिंज (ब) सॅडल

(क) पिव्होट (ड) बॉल आणि सॉकेट

(२) दृष्टीपटलाच्या धुरकटतेला ..... म्हणतात.

(अ) पापण्यांचा दाह (ब) काच बिंदू

(क) मोती बिंदू (ड) दृष्टीपटलाचा दाह.

(३) अपेंडीक्स हे पोटाच्या ..... या भागात आहे.

(अ) उजवा इलियाक फोसा (ब) नाभी प्रदेश

(क) इपिग्रस्ट्रिक (ड) डावा इलियाक फोसा.

(४) रुग्णाच्या जखमेवरील वापरलेली मलमपट्टी ..... या रंगाच्या पिशवीत टाकतात.

(अ) पिवळा (ब) निळा

(क) काळा (ड) हिरवा.

(५) इन्सुलिन हे ..... या ग्रंथीद्वारे स्त्रावले जाते.

(अ) पियुष ग्रंथी (ब) ॲड्रीनल

(क) कंठग्रंथी (ड) स्वादुपिंड.

(ब) योग्य जोड्या जुळवा :— (०५)

'**अ**' गट	'**ब**' गट
(१) सायनो-ॲट्रिअल नोड	(अ) २०६ हाड
(२) मानवी हाडांचा सांगाडा	(ब) यकृत
(३) माईटोकॉन्ड्रिया	(क) पेस मेकर
(४) पित्त	(ड) गलगंड
(५) आयोडीन	(इ) पॉवरहाऊस ऑफ सेल

[उलटून पहा

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Marks

(c) State ***true*** or ***false*** :— (05)

(*i*) Vertebrae is a example of irregular bone.

(*ii*) Vasodilatation is the widening of a vessel lumen.

(*iii*) Urine collects in the kidney.

(*iv*) Mucous membranes is describes the human body's defence mechanism against bacteria.

(*v*) Chemical messengers released by endocrine gland into the blood are known as harmone.

2. Write short notes on (any *three*) :— (15)

(*a*) Types of joints

(*b*) Scapula

(*c*) Organs of nervous system

(*d*) List organs of urinary system and composition of urine

(*e*) Planes and regions of abdomen

(*f*) Functions of skin.

3. Answer the following questions :—

(*a*) List and describe endocrine glands in body. (05)

(*b*) Draw structure of inner ear and label its parts. (05)

(*c*) Describe cell division. (05)

4. Answer the following questions :—

(*a*) Draw a neat diagram of interior of the heart and label the parts. (05)

(*b*) Write the cardiac circulation. (05)

(*c*) Draw and write functions of tongue. (05)

OR

(*a*) Draw and list the organs of respiratory system. (05)

(*b*) Write the functions of Liver. (05)

(*c*) Draw and write functions of Kidney. (05)

5. Answer the following questions :—

(*a*) Write in details about pasturization. (05)

(*b*) Write the methods of transmission of infection. (05)

(*c*) Classify physical methods of sterilization. (05)

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